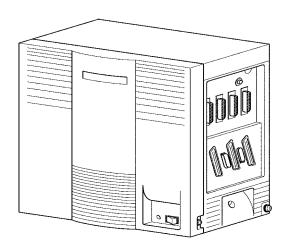
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NEC

Electra Elite 48/192



PROGRAMMING MANUAL

Stock Number 750362

Issue 6

(Series 6000)

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Technology Development

Preface

SECTION 1

ABOUT THIS MANUAL

The Programming Manual provides the technician with all of the necessary information for programming the Electra Elite system.

Programming can be accomplished using a PC or a Multiline Terminal.

SECTION 2 MANUAL ORGANIZATION

This manual provides instructions for programming the Electra Elite system.

Chapter 1 – Multiline Terminal Programming

This chapter includes all of the Memory Blocks used to program the system. Detailed programming instructions are provided for each Memory Block.

Chapter 2 – Guide to Feature Programming

This chapter includes a list by feature of the Memory Blocks necessary for programming each feature.

Chapter 3 – PC Programming

This chapter includes the instruction or programming using Electra Elite PC software.

SECTION 3 SUPPORTING DOCUMENTS

A set of manuals for the Electra Elite system provides all the information necessary to install and support the system. Other manuals included in the set are described below.

Electra Elite 48/192 Features and Specifications Manual (Stock Number 750361)

This manual provides detailed information related to every feature available in the system.

Electra Elite 192 General Description Manual (Stock Number 750360)

This manual provides general information about the system features, configuration, and standards. An overview of the Electra Elite 192 system that is useful when presenting information to potential customers is provided.

Electra Elite 48 General Description Manual (Stock Number 750375)

This manual provides general information about the system features, configuration, and standards. An overview of the Electra Elite 48 system that is useful when presenting information to potential customers is provided.

Electra Elite 192 System Hardware Manual (Stock Number 750363)

The System Hardware Manual is intended for the system installer and provides detailed instructions for installing the Electra Elite 192 KSU, ETUs, Multiline Terminals, and optional equipment.

Electra Elite 48 System Hardware Manual (Stock Number 750376)

The System Hardware Manual is intended for the system installer and provides detailed instructions for installing the Electra Elite 48 KSU, ETUs, Multiline Terminals, and optional equipment.

Electra Elite Least Cost Routing Manual (Stock Number 750364)

This manual provides instructions to the service technician for programming the customer site for least cost routing.

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Electra Elite Automatic Call Distribution Manual (Stock Number 750365)

This manual provides the service technician with instructions for programming the ACD. This manual can also be used by the ACD supervisor at the customer site to become familiar with the ACD/MIS feature.

Electra Elite 48/192 Job Specifications Manual (Stock Number 750377)

This manual is intended to help the technician install and maintain the Electra Elite system. Job specification worksheets are provided. When these worksheets are completed, they provide all of the system programming values and configuration information necessary to help technicians maintain the system.

Elite ACD Plus Installation Manual (Stock Number 750359)

This manual provides general information about the Elite ACD Plus features, installation procedures and feature programming. The NEC Elite ACD Plus is an Automatic Call Distribution card that supports up to 40 Agents and 12 supervisors at one time.

Electra Elite Wireless System Manual (Stock Number 750423)

This manual describes the system and provides hardware installation and programming procedures for the Electra Elite Wireless Communication System (WCS).

Chapter 1 Multiline Terminal Programming

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Multiline Terminal Programming

CHAPTER

SECTION 1 GENERAL INFORMATION

A stored program controls the Electra Elite 48/192 system. When the system is initially powered up, the CPU scans all interface and ISA slots to determine the hardware configuration. The system stores this information and the default values in the resident system program memory. After initially powering up the system, a trained technician can change the resident system program to meet the specific needs of an individual customer.

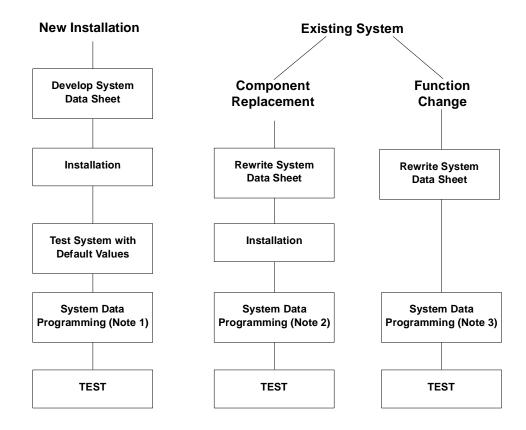
SECTION 2 PROGRAMMING THE SYSTEM



The battery on the CPU **must be connected.** When the battery is not connected before programming begins, data may be lost when a power outage occurs.

System data programming may be necessary when:

- the system is installed for the first time.
- components of an existing system are replaced.
- functions of an existing system are changed.



- Note 1: For a new installation, system default values are assigned when power is turned on. Program the system data to be changed only.
- Note 2: For component replacement, program the relevant system data.
- Note 3: For function change, program the system data to be revised.

Figure 1-1 Programming Flowchart

2.1 Features of Programming

The following features are provided with Multiline Programming:

- The system operates from default after initial power-up. Only the parameters that change must be programmed.
- System programming characters are displayed on the LCD of the Multiline Terminal.
- Several types of system programming can be entered at the same time.
- Data programmed for one telephone (e.g., Tenant Mode, or Telephone Mode) can be copied to another telephone.

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Two Multiline Terminals, connected to ports 01 and 02, respectively, can be used simultaneously for programming.

2.2 System Programming Modes

Modes and submodes are listed in Table 1-1 Programming Modes.

Table 1-1 Programming Modes

Line Key	Mode Name	Line Key	Submode Name
		LK 1	CO Line
		LK 2	ICM
		LK 3	SLT
		LK 4	Transfer/Automated Attendant
		LK 5	SMDR/LCR
		LK 6	DSS
LK 1	System Mode	LK 7	ESP
		LK 8	PBR/Miscellaneous
		LK 9	DISA
		LK 10	Call by Call
		LK 11	DTI
		LK 12	ACD/UCD
		LK 13	PRI
		LK 14	ARS
LK 2	Tenant Mode	N/A	N/A
LK 3	CO/PBX Line Mode	N/A	N/A
LK 4	Telephone Mode	N/A	N/A
LK 5	Trunk Group Mode	N/A	N/A
		LK 2	Tenant Mode Copy Assignment
LK 6	Copy Mode	LK 3	CO Line Mode Copy Assignment
LIK	Copy Mode	LK 4	Telephone Mode Copy Assignment
		LK 5	Trunk Group Mode Copy Assignment
		LK 1	Card Interface Slot Assignment
LK 7	ETU Mode	LK 2	Telephone Type Assignment
		LK 3	MIF Assignment
		LK 1	ROM Version Confirmation
LK 8	Special Mode	LK 2	System Speed Dial Memory Clear
LIVO	Opecial Mode	LK 3	Station Speed Dial Memory Clear
		LK 8	Second Initialization

2.3 Before Programming

The technician should check the ROM version and the port numbers before programming the system.

2.3.1 Check Points

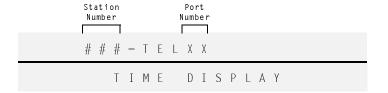
Confirm the ROM Version

The available features depend on the ROM version. Refer to Memory Block 8-1 (ROM Version Confirmation), or from any idle Display Terminal, press and 3.

Confirm the Port Number

Port numbers are used for system programming. Refer to Memory Block 7-1 (Card Interface Slot Assignment).

To confirm station numbers press return and ①. The display indicates the station number and the port number.



2.3.2 Preliminary Points

Select System Programming

Refer to Section 2 Programming the System.

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2.4 Writing System Data

After turning on power, the system data can be programmed using a Multiline Terminal connected to port 01 or port 02 (the Multiline Terminal must be idle). System programming can be performed while other Multiline Terminals in the system are in use. Some data is written into memory immediately after the programming process, but other data is not written until the stations or trunks are idle. When the data is not written until a station or trunk is idle, the station LCD displays DATA ENTRY, even after programming is complete, to indicate that system data entry is still in progress. When the in-use stations become idle, the data is written and the station LCD displays only the time.

The data programmed for the following Memory Blocks is not written while the Multiline Terminals or PBR are in use:

- When Multiline Terminals are in use:
 - Memory Block 2-01 (Trunk to Tenant Assignment)
 - Memory Block 2-05 (Line Key Selection)
 - Memory Block 2-07 (System Speed Dial Display Assignment)
 - Memory Block 4-09 (Telephone to Tenant Assignment)
- When the PBR is in use:
 - Memory Block 1-8-01 (SLT or Automated Attendant/DISA to CPU PBR Selection)
 - Memory Block 1-8-02 (PBR Receive Level Assignment for Automated Attendant/DISA)

2.5 Programming Methods

2.5.1 Initializing the System

Turn on the new Key Service Unit (KSU) power supply. After approximately 30 seconds, the system operates with the system default values.

2.5.2 Using the Multiline Terminal for Programming

System programming can be performed using a Display Multiline Terminal that is connected to station port 01 or 02.

Figure 1-2 Electra Elite Multiline Terminal shows the terminal in the off-line mode.

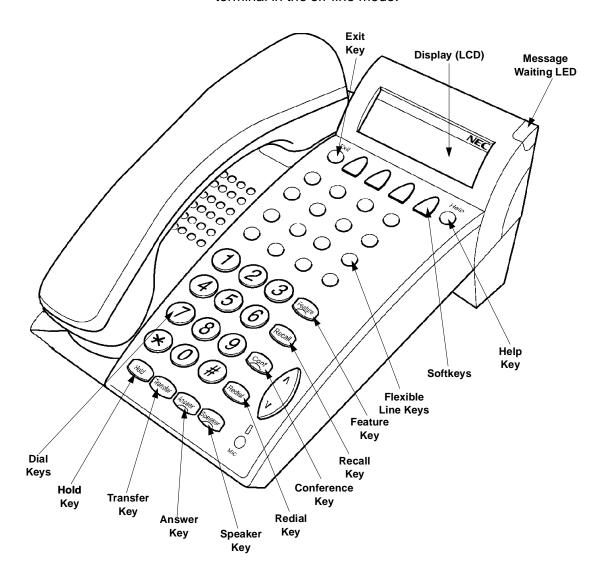


Figure 1-2 Electra Elite Multiline Terminal

Table 1-2 Multiline Terminal Keys Used for Programming provides a list and description of the keys used during Multiline Terminal Programming.

Table 1-2 Multiline Terminal Keys Used for Programming

Key	Description		
(Pres) ~ (9)	Used to enter data from the dial pad or to specify a Memory Block location.		
*	Used to move the cursor to the left. The cursor moves one character space to the left each time (*) is pressed.		
#	Used to move the cursor to the right. The cursor moves one character space to the right each time ${\mathscr F}$ is pressed.		
Answer	Used to select another mode. Press Answer to switch modes as follows: Mode or submode selection: Returns to Program Mode. Data No. Mode: Return to a mode or submode selection, or Program Mode (if no submode exists).		
Conf	Each time the conference key is pressed, Memory Block item changes are as follows: Tenant Mode: The tenant number increments by one. CO/PBX Line Mode: The CO/PBX line number increments by one. Telephone Mode: The telephone port number increments by one. Trunk Group Mode: The Trunk group number increments by one.		
Exit	Future use.		
Feature	Used to return to the previous page in system programming.		
Help	Future use.		
Hold	Used to enter a pause in speed dial programming mode or to clear data in system programming mode.		
Linekey	Flexible Line keys are used to specify a mode or submode when selecting a Memory Block or to select programming data for input.		
Recall	Used to proceed to the next page in system programming.		
Redial	This key is used to enter a pause, hyphen, asterisk or pound. To enter an asterisk or pound: Redial + * = * Redial + # = # The Message Waiting LED turns on and off after * or # is pressed.		

Programming Manual

Table 1-2 Multiline Terminal Keys Used for Programming (Continued)

Key	Description		
Speaker	Used to exit the programming mode (go back on-line).		
Transfer	Used to write (save) data. After entering data, press ransfer; the data is written into memory. The next Memory Block is displayed.		

2.5.3 Entering Programming Mode

The following digital Multiline Terminals can be used to program the system. Station ports 01 and 02 are automatically assigned as programming stations.

- © DTP-8D-1 (BK)/(WH) TEL
- © DTU-8D-2 (BK)/(WH) TEL
- DTP-16D-1 (BK)/(WH) TEL
- DTU-16D-2 (BK)/(WH) TEL
- DTP-32D-1 (BK)/(WH)TEL
- DTU-32D-2 (BK)/(WH) TEL
- © ETW-16DC-1/2 (BK)/(SW) TEL
- © ETW-16DD-1/2 (BK)/(SW) TEL
- ETW-24DS-1/2 (BK)/(SW) TEL

To enter programming mode, the station must be idle (on-hook). Perform the following procedure to go off-line.

- 1. Press (Feature).
- 2. Press (Hold).
- Dial ⊕, ♠, and ⊛ in sequence. The Multiline Terminal LCD indicates program mode is now active.



While off-line, the programming terminal cannot be signaled by any system station. Off-line mode does not timeout.

2.5.4 Page Switching

In Memory Block 1-1-18 (System Speed Dial Restriction by Tenant) tenant numbers 00~07 are assigned to Flexible Line keys on the first page. Tenant number 08~15 are assigned to the Flexible Line keys on the second page. The tenant number corresponding to Flexible Line key 1 of the current page is displayed on the right side of the display.

During system programming, a value (data) is assigned to each Flexible Line key. When the number of values exceeds the number of Flexible Line keys, value assignments are displayed on additional pages. The associated data can be entered on that page. The page number is displayed on the right side of the LCD.

Figure 1-3 Page Display for 8-Key, 16-Key and 24-Key Multiline Terminals shows an example of CO/PBX line keys on each page and their corresponding tenant numbers. In all cases, each page is represented by eight line keys.

To navigate between pages, press recall to access the **next** page, or press return to the **previous** page.

8-Key Multiline Terminal

8-Key Multiline Terminal

(Page 1)

LK 1	LK 2	LK 3	LK 4
-			
01	02	03	04
LK 5	LK 6	LK 7	LK 8
05	06	07	08

(Page 2)

LK 1	LK 2	LK 3	LK 4
09	09 10		12
LK 5	LK 6	LK 7	LK 8
13	14	15	16

LCD Display: 01 to indicate Page 1 LCD Display: 09 to indicate Page 2

16-Key Multiline Terminal

24-Key Multiline Terminal

(Page 1)

LK 1	LK 2	LK 3	LK 4
01	02	03	04
LK 5	LK 6	LK 7	LK 8
05	06	07	80
LK 9	LK 10	LK 11	LK 12
09	10	11	12
09	10	- 11	12
LK 13	LK 14	LK 15	LK 16

(Page 1)

	(3)					
ſ	LK 1	LK 2	LK 3	LK 4	LK5	LK6
	01	02	03	04	05	06
Ī	LK 7	LK 8	LK 9	LK 10	LK 11	LK 12
	07	08	09	10	11	12
Ī	LK 13	LK 14	LK 15	LK 16	LK 17	LK 18
	13	14	15	16	17	18
Ī	LK 19	LK 20	LK 21	LK 22	LK 23	LK 24
	19	20	21	22	23	24

LCD Display: 01 to indicate Page 1 LCD Display: 01 to indicate Page 1

(Page 2)

LK 1	LK 2	LK 3	LK 4
09	10	11	12
LK 5	LK 6	LK 7	LK 8
13	14	15	16
LK 9	LK 10	LK 11	LK 12
17	18	19	20
LK 13	LK 14	LK 15	LK 16

LCD Display: 09 to indicate Page 2

(Page 2)

(1 age 2)					
LK 1	LK 2	LK 3	LK 4	LK5	LK6
09	10	11	12	13	14
LK 7	LK 8	LK 9	LK 10	LK 11	LK 12
15	16	17	18	19	20
LK 13	LK 14	LK 15	LK 16	LK 17	LK 18
21	22	23	24	25	26
LK 19	LK 20	LK 21	LK 22	LK 23	LK 24
27	28	29	30	31	32

LCD Display: 09 to indicate Page 2

Figure 1-3 Page Display for 8-Key, 16-Key and 24-Key Multiline Terminals

Figure 1-4 Page Switching for Data Values is an example of 10 data values. Values are displayed on two pages.

16-Key Multiline Terminal

(Page 1)

LK 1	K 1 LK 2 LK 3		LK 4
Data 01	a 01 Data 02 Data 0		Data 04
LK 5 LK 6		LK 7	LK 8
Data 05	Data 06	Data 07	Data 08

LCD Display: 01 to indicate Page 1

(Page 2)

LK 9	LK 10	LK 11	LK 12
Data 09	Data 10		
LK 13	LK 14	LK 15	LK 16

LCD Display: 09 to indicate Page 2

Figure 1-4 Page Switching for Data Values

2.5.5 Station Port Numbering Plan

Some memory blocks require entering a 2-digit port number. The Electra Elite 48/192 system supports 48/120 ports, respectively. Programming values for entry of Port Assignments are defined below:

Port Assignments	Programming Value
01~99	01~99
100~109	A0~A9
110~119	B0~B9
120	C0

To enter an A, B, or C, press Redial and 1, 2, or 3.

SECTION 3 SYSTEM DATA LIST

Table 1-3 System Data is a complete list of Memory Blocks that are available in the Electra Elite system. The information is organized by mode, submode, and then numerically by Memory Block number. The Memory Block number and name, the default values, and programming values are provided for each Memory Block.

Table 1-3 System Data

LK 1 System Mode

LK 1 CO Line

Data No.	Memory Block Name	Default Value	Programming Values
00	Pause Time Selection	3.0s	1.0s, 3.0s
01	DP Interdigit Time Selection	В	Pattern A or B
02	Hookflash Time Selection	600ms	20ms, 40ms, 60ms, 80ms, 100ms, 140ms, 160ms, 200ms, 400ms, 600ms, 800ms, 1.0s, 1.5s, 2.0s, 3.0s, 5.0s
03	Hold Recall Time Selection (Non-Exclusive Hold)	25s	25s, 45s, 60s, 90s, 120s, 180s, 240s, ∞(No Limit)
04	Automatic Redial Time Selection	Table 1: 030 Table 2: 060 Table 3: 002	Table 1: 001 ~ 050 sec. Table 2: 001 ~ 100 sec. Table 3: 001 ~ 015 times
05	Start Time Selection	10s	2s, 10s, 20s, 30s, 40s, 50s, 60s, 70s
06	CO/PBX Incoming Ringing Alarm Time Selection	∞ (No Limit)	10s, 20s, 30s, ∞
07	Tie Line Delay Ringing Time Selection	∞ (No Limit)	10s, 20s, 30s, ∞
09	Manual Pause Selection	NO	NO, YS
11	System Transfer/Camp-On Selection	YS	NO, YS
12	Station Transfer/Camp-On Recall Time Selection	45s	25s, 45s, 60s, 90s, 120s, 180s, 240s, ∞ (No Limit)
13	CO Transfer Ring Pattern Selection	С	OFF, ON, A ~ H
14	CO Transfer Ring Tone Selection	A	A ~ H
18	System Speed Dial Restriction by Tenant	CO/PBX Line LED On	LED On: Not Restricted LED Off: Restricted
20	DID Digit Length Selection	3	2, 3, or 4
21	DID Digit Conversion Assignment	NO	NO, YS

LK 1 System Mode

LK 1 CO Line (Continued)

Data No.	Memory Block Name	Default Value	Programming Values
22	DID Digit Conversion Table	Т	T (Station or Closed Number) TN (Tenant)
23	DID Forward Station Number for Busy Station or Undefined Digit	NON	NON, T (TEL), TN (Tenant)
24	PBX/CTX Access Code Assignment I	9–	Up to six digits (three numeric, three pauses)
25	PBX/CTX Access Code Assignment II	8–	Up to six digits (three numeric, three pauses)
27	Automatic Day/Night Mode Switching Time Assignment	Not Specified	Day/Night Mode Time (24-hour clock)
28	Distinctive Ringing byTelephone or CO Selection	TEL	TEL, CO
29	Private Line Assignment	Not Specified	CO/PBX Line Number, Tel Port Number
30	Route Advance Block Assignment	All Blocks 00 (Not Set)	Priority of Trunk Group Number
32	Automatic Day/Night Mode by Day of Week Selection	CO/PBX Line LED Off Pattern 1 (Sunday ~ Saturday)	Pattern 1, Pattern 2
33	Speed Dial Number/Name Display Selection	DIAL	DIAL, NAME
34	Tie Line First Ring Pattern Selection	PAT3	PAT1, PAT2, PAT3, PAT4, ICM, VOICE
35	Speed Dial Buffer Allocation	100	100, 1,000 Memories
37	Trunk Queuing Timeout Selection	10s	10s, 20s, 30s, 60s
46	Access Code (1-Digit) Assignment	Refer to Access Co	ode (1-Digit) Assignment on page 1-80.
47	Access Code (2-Digit) Assignment	Refer to Access Co	ode (2-Digit) Assignment on page 1-85.
48	Access Code (3-Digit) Assignment	All Dial 000 (Not Used)	N/A
49	Networking Trunk Group/Route Advance Assignment	Not Specified	101~132 (Trunk Group 01 ~ 32) or 201~216 (Route Advance Block 01 ~ 16)
50	CO/PBX Outgoing Digit Add Assignment	Not Specified	10 digits max.
51	CO Line Ringing Pattern Selection	Α	A ~ H, NO
52	PBX Line Ringing Pattern Selection	В	A ~ H, NO
53	Tie Line Delay Ring Pattern Selection	D	A ~ H, NO

LK 1 System Mode

LK 1 CO Line (Continued)

Data No.	Memory Block Name	Default Value	Programming Values
54	Automated Attendant Transfer Ring Pattern	С	A ~ H, NO
55	DID Line Ringing Pattern Selection	A	A ~ H, NO
57	CO/PBX Prepause Time Selection	1s	None, 1s~13s
59	Synchronous Ringing Selection	YS	YS, NO
60	8-Digit Matching Table Assignment	Refer to 8-Digit Matching	Table Assignment on page 1-102.
61	8-Digit Matching Table to Class Assignment	Refer to 8-Digit Matching	Table to Class Assignment on page 1-104.
62	System Speed Dial Override by Class Selection	YS	NO = No Override YS = Override
63	Hold Recall Time Selection (Exclusive)	1.0	In minutes: 0.5, 1.0, 1.5, 2.0, 3.0, 5.0, 8.0, ∞ (No Limit)
64	Attendant Add-On Console Transfer/ Camp-On Recall Time Selection	1.0	In minutes: 0.5, 1.0, 1.5, 2.0, 3.0, 5.0, 8.0, 10.0
65	Code Restriction Class Allow/Deny Selection	Class 01 ~ 04 - YS Class 05 ~ 14 - NO	YS (Allow) NO (Deny)
66	8-Digit Matching Table to Normal Dial Assignment	Tables 00 ~ 14 = Used (All CO/PBX Line LEDs On) Table 15 = Unused (CO/PBX Line LED Off)	N/A
67	OCC Table Assignment	Tables 00 ~ 15 = Blank Table 16 = 1010XXX	N/A
68	8-Digit Matching Table to OCC Table Assignment	CO/PBX Line LED Off	Refer to 8-Digit Matching Table to OCC Table Assignment on page 1-114.
69	Tie Line Code Restriction Assignment	YS	NO = No Restriction YS = Restriction
70	Code Restriction Class Assignment when Lockout is Set	15	Class 00 ~ 15
71	First Delay Announcement Start Time Selection	20	In seconds: 00, 10, 20, 30, 40, 50, 60
72	First Delay Announcement Repeat Selection	1	1, 2, 3, 4, 5, 6, 7, 8
73	First to Second Delay Announcement Interval Time Selection	20	In seconds: 00, 10, 20, 30, 40, 50, 60, ∞ (No Limit)

LK 1 System Mode

LK 1 CO Line (Continued)

Data No.	Memory Block Name	Default Value	Programming Values
74	Second Delay Announcement Repeat Selection	1	1~ 8
75	Second Delay Announcement Repeat Interval Time Selection	20	In seconds: 00, 10, 20, 30, 40, 50, 60, ∞ (No Limit)
76	Barge-In Alert Tone Assignment	YS	YS = Send Alert Tone NO = Do not send AlertTone
77	Delayed Ringing Time Assignment (CO)	15s	00 ~ 99 sec.
78	Caller ID Display Assignment for System Mode	Not Specified	Up to 15 ports Tel Port No. = 01~ CO
79	BGM Port Assignment	00	00 (Not Specified), 01~ 64
80	ISDN DTMF Duration/Interdigit Selection	100/70	In milliseconds: 70/60, 100/70, 400/100, 600/100, 900/200
81	ISDN Dial Interval Time Selection	4s	2s, 4s, 8s, 16s, 32s
82	CO Feature Code Service for Code Restriction	Not Specified	10 tables each with up to 10 digits

LK 1 System Mode

LK 2 ICM

Data No.	Memory Block Name	Default Value	Programming Values
00	Internal Paging Timeout Selection	90s	90s, 120s, ∞ (No Limit)
01	Intercom Call Voice/Tone Signal Selection	VOICE	TONE VOICE
02	Automatic Callback Release Time Selection	30m	30s, 1m, 2m, 3m, 5m, 10m, 20m, 30m
03	2-, 3-, or 4-Digit Station Number Selection	3DGT	2DGT, 3DGT, 4DGT
04	Call Arrival Key Block Assignment	No CAR Blocks are Assigned	CAR Blocks: Port 01~CO - 4 ports per block
08	Specified Station Access Code Assignment	00 = 01 01 ~ 23 Not Set	Tel. Port Number

LK 1 System Mode

LK 2 ICM (Continued)

Data No.	Memory Block Name	Default Value	Programming Values
09~18	Customized Message 1~10 Assignment	09 = DND 10 = MEETING 11 = BUSINESS TRIP 12 = NOT IN 13 = WITH GUEST 14 = OUT OF OFFICE 15~18 = Not Specified	Maximum of 13 characters. (Refer to Section 9 Character Assignment on page 1-594 for a list of characters.)
19	Intercom Ring Pattern Selection	В	OFF, ON, A~H
20	Intercom Ring Tone Selection	Α	A~H
21	PS Telephone Block Assignment	No CAR Blocks are Assigned	CAR Blocks: Port 01~C0 - 4 ports per block
22	Call Forward- No Answer Time Selection	8s	4s, 8s, 12s, 18s, 24s, 30s, 60s
23	System Call Park Recall Time Selection	1.0	In minutes: 0.5, 1.0, 1.5, 2.0, 3.0, 5.0, 8.0, 10.0
24	Intercom Feature Access Code Assignment	Refer to Intercom Feature	e Access Code Assignment on page 1-145.
25	Internal Paging Alert Tone Selection	YS	YS (Tone provided) NO (No Tone)
26	Delayed Ringing Time Assignment (ICM)	10s	00~99 sec.
30	PS Out of Area Time Assignment	08s	00~99 sec.

LK 1 System Mode

LK 3 SLT

Data No.	Memory Block Name	Default Value	Programming Values
01	Bounce Protect Time Selection	300ms	Page 1: 0ms, 100ms, 200ms, 300ms, 400ms, 500ms, 600ms, 700ms
			Page 2: 800ms, 900ms, 1000ms, 1100ms, 1200ms, 1300ms, 1400ms, 1500ms

LK 1 System Mode

LK 3 SLT (Continued)

Data No.	Memory Block Name	Default Value	Programming Values
02	SLT Hookflash Signal Selection	HOLD	HOLD FLASH
03	First Digit PBR Release Time Selection	10s	10s, 20s, 30s, 40s, 50s, 60s.
04	Dial 1 (DP) Hookflash Selection	YS	YS, NO
05	Hookflash Start Time Selection	290	In milliseconds: 40, 90, 140, 190, 240, 290, 340, 390, 440, 490, 540, 590, 640, 690, 740, 790
06	Hookflash End Time Selection	07 (HST + 700 ms.)	Refer to Hookflash End Time Selection on page 1-156.
07	Voice Mail Digit Add Assignment	Blank	Up to 4 digits
08	Voice Mail DTMF Delay Time Selection	1s	0s, 1s, 2s, 3s, 4s, 5s, 6s, 8s
09	Voice Mail Disconnect Time Selection	1.5s	0.5s, 1.0s, 1.5s, 2.0s, 3.0s, 3.5s
10	Voice Mail DTMF Duration/Interdigit Time Selection	110/80	In milliseconds: 60/70, 110/80, 410/100, 610/100, 810/190

LK 1 System Mode

LK 4 Transfer/Automated Attendant (A.A.)

Data No.	Memory Block Name	Default Value	Programming Values
00	Tandem Transfer Automatic Disconnect Time Selection	060	In minutes: 000~999
01	Automated Attendant First Digit PBR Release Time Selection	20s	5s, 10s, 20s, 30s, 40s, 50s, 60s
02	Automated Attendant Transfer Delayed Ringing Time Selection	∞	In seconds: 10, 20, 30, ∞ (No Limit)
03	Automated Attendant No Answer Disconnect Time Selection	2m	1m, 2m, 3m, 4m
04	Tandem Transfer SMDR Print Extension Assignment	999	2-digit = 00~99 3-digit = 000~999 4-digit = 0000~9999
05	Automatic Tandem Trunk by Night Mode Selection	NO	YS, NO

LK 1 System Mode

LK 4 Transfer/Automated Attendant (A.A.) (Continued)

Data No.	Memory Block Name	Default Value	Programming Values
08	Automated Attendant PBR Timeout Response Selection	NORMAL	NORMAL, RELEAS
09	Automated Attendant PBR Start Time Selection	FR	FR = Same Time as Greeting AF = After Greeting
11	Automated Attendant Message Day/ Night Mode Selection	NO	YS, NO
12	Automated Attendant Message to Tenant Assignment	00	Tenant Number 00 to 47
13	Automated Attendant Answer Delay Time Assignment	04s	00~99s, per MSG 1~8
14	Automated Attendant Message Access Code (1-Digit) Assignment	Refer to Automated Attendant Message Access Code (1-Digit) Assignment on page 1-173.	
15	Automated Attendant Message Access Code (2-Digit) Assignment	Refer to Automated Attendant Message Access Code (1-Digit) Assignment on page 1-173.	
16	Automated Attendant Message Repeat Selection	1 All messages	1, 2, 3, 4, 5, 6, 7, 8
17	Automated Attendant Delay Announcement Hold Tone Selection	RBT	RBT, MOH
18	Automated Attendant Delay Announcement Assignment	NONE (Not specified)	None, MSG1, MSG2, MSG3, MSG4, MSG5, MSG6, MSG7, MSG8
19	Automated Attendant 1 st to 2 nd Delay Announcement Interval Time Selection	4m	0s, 10s, 20s, 30s, 1m, 2m, 3m, 4m, 5m, 10m, 20m.
20	Automated Attendant Delay Announcement Disconnect Time Selection	30s	0s, 10s, 20s, 30s, 1m, 2m, 3m, 4m, 5m, 10m, 20m
21	Automated Attendant Extension Number Assignment	Not Specified	2-digit (10~99), 3-digit (100~999), or 4-digit (1000~9999) extension numbers Messages 1~8
22	Automated Attendant Direct Extension Ring Assignment	Not Specified	2-digit (10~99), 3-digit (100~999), or 4-digit (1000~9999) extension numbers Messages 1~8

LK 1 System Mode

LK 5 SMDR/LCR

Data No.	Memory Block Name	Default Value	Programming Values
02	SMDR Print Format	ALL	ALL, MSK
13	Printer Connected Selection	NO	NO, PC(Future), YS
14	Printer Line Feed Control Selection	YS	YS, NO
25	SMDR Valid Call Time Assignment	040s	000~990s (in 10-second increments)
26	SMDR Incoming/Outgoing Print Selection	OUT	ALL, OUT, INC

LK1 System Mode

LK 6 DSS

Data No.	Memory Block Name	Default Value	Programming Values
01	Attendant Add-On Console to Telephone Port Assignment	Refer to Attendant Add-C page 1-191.	On Console to Telephone Port Assignment on
03	DSS Call Voice/Tone Signal Selection	VOICE	TONE, VOICE
05	Attendant Add-On Console Key Selection	Refer to Attendant Add-On Console Key Selection on page 1-193	
07	Message Board Lamp Assignment	NON	NON (Not assigned) MSG (message)
08	Attendant Transfer Selection During Live Record	YS	NO, YS

LK 1 System Mode

LK 7 ESP

Data No.	Memory Block Name	Default Value	Programming Values
00	Doorphone Assignment	No default	LK1~LK4 Assigns DPH1~DPH4 Yes or No
01	Doorphone Display Time Selection	10s	10s, 30s, 60s, 90s
02	External Speaker Connection Selection	All Speakers (A~C) On	ESP A, ESP B, ESP C

LK 1 System Mode

LK 7 ESP (Continued)

Data No.	Memory Block Name	Default Value	Programming Values
03	External Paging Alert Tone Selection	YS	YS, NO
04	Doorphone Ring Pattern Selection	DPH1~4 ON	OFF, ON, A~H
05	Doorphone Ringing Frequency Selection	С	A~H
06	External Paging Timeout Selection	5.0	In minutes: 0.5, 1.0, 1.5, 2.0, 3.0, 5.0, 8.0, ∞ (No Limit)
07	External Ring Relay Pattern Selection	PT3	Refer to External Ring Relay Pattern Selection on page 1-208.
08	External Speaker Chime Selection	PRT	PRT (Normal paging tone before Page) C-S (Chime Start Only) C-B (Chime Start/End)
09	External Speaker Chime Start Time Selection	700	In milliseconds: 000, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1300, 1400, 1500

LK 1 System Mode

LK 8 PBR/Miscellaneous

Data No.	Memory Block Name	Default Value	Programming Values
01	SLT or Automated Attendant/DISA to CPU PBR Selection	LK1 and LK2 Off	Off = Single Line Telephone On = Automated Attendant/DISA
02	PBR Receive Level Assignment for Automated Attendant/DISA	03 (-36.0 dBm)	Refer to PBR Receive Level Assignment for Automated Attendant/DISA on page 1-215.
04	Time Display (12h/24h) Selection	12	12, 24
07	Class of Service (Attendant) Feature Selection 1	Refer to Class of Service (Attendant) Feature Selection 1 on page 1-218.	
08	Class of Service (Station) Feature Selection 2	Refer to Class of Service (Station) Feature Selection 2 on page 1-221.	
09	Music on Hold Pattern Selection	A	Medley A or B
10	PBR Interdigit Release Time Selection	7s	3s, 4s, 5s, 6s, 7s, 8s, 9s, 10s
11	System Refresh Time Assignment	4H	NON, 4H, 8H, 12H, 24H

LK 1 System Mode

LK 8 PBR/Miscellaneous (Continued)

Data No.	Memory Block Name	Default Value	Programming Values
12	VRS Message Recording Time Selection	15s x16	Time and number of messages: 15s x 16 30s x 8 60s x 4 120s x 2
13	VRS Message Function Assignment	Refer to VRS Message F	unction Assignment on page 1-232
15	Tone Assignment	A	Refer to Tone Assignment on page 1-234.
16	Voice Prompt to Tone Assignment	PR1	Refer to Voice Prompt to Tone Assignment on page 1-237
17	PC Programming Password Assignment	Class 1, 2 All Blank	N/A
18	Site Name Assignment	Not Assigned	N/A
25	ACD/UCD Group Agent Assignment	Not Specified	Agent Station Number and ACD/UCD Group Number
26	Voice Mail Quick Transfer Master Hunt Number	000	Voice Mail Pilot Number
27	Forced Account Code Length Assignment	10DGT	1~13 Digits
29	SCD (Simplified Call Distribution) Pilot Number Assignment	Not Assigned	Pilot Number for up to 4 Groups
30	SCD Group Agent Assignment	Not Assigned	1~4 Digits
31	Hold Tone Source Assignment	INT	INT, EXT
32	Hold Internal Tone Volume Selection	0dB	0dB, -6dB
33	Master Clock Selection	0: Not Assigned	Cabinet: 0~2 Slot: 1~4
35	COM Port Baud Rate Setting Assignment	COM 1 = 38.4 COM 2 = 4.8 COM 3 = 4.8 (Not used) COM 4 = 9.6	4.8 Kbps, 9.6 Kbps, 19.2 Kbps, 38.4 Kbps
36	COM Port Parity/Stop Bit Setting Assignment	NON/1	NON/1, NON/2, EVEN/1, ODD/1
37	General Purpose Relay Assignment	NO	NO, YS
38	Modem Number for Remote Programming Assignment	Not Assigned	Any Unused Extension Number (1~4 digits)

LK 1 System Mode

LK 8 PBR/Miscellaneous (Continued)

Data No.	Memory Block Name	Default Value	Programming Values
40	ACD Hunt Time	10s	10s, 20s, 30s, 60s, 120s, 240s, ∞ (No Limit).
43	Enhanced 911 Trunk Assignment	Not Specified	CO/PBX trunks 01~64
44	Enhanced 911 Alternate Route Assignment	No Alternate Route	No Alternate Route 101~132 for trunk group 01~32 201~216 for route advance block 01~16
45	Enhanced 911 Alternate Route Assignment (Maintenance Busy)	101	No Alternate Route 101~132 for trunk group 01~32 201~216 for route advance block 01~16
46	Enhanced 911 Dialing Digit Assignment	911	1, 11, 911
47	Call Arrival Key Voice Mail Message Notification Assignment	Not Specified	2-digit (10~99), 3-digit (100~999), or 4-digit (1000~9999) CARs
48	Automatic Daylight Saving Time Selection	YS	YS, NO

LK 1 System Mode

LK 9 DISA

Data No.	Memory Block Name	Default Value	Programming Values
00	DISA ID Code Assignment	Refer to DISA ID Code Assignment on page 1-261.	
02	DISA Password Effect/Invalid Selection	YS	NO (Invalid), YS (Password effects)

LK 1 System Mode

LK 10 Call by Call

Data No.	Memory Block Name	Default Value	Programming Values	
00	Call by Call Type of Network ID Assignment	All RABs 2	0,1 Not Used) 2 National Network Identification 3~7 Not Used	

LK 1 System Mode

LK 10 Call by Call (Continued)

Data No.	Memory Block Name	Default Value	Programming Values
01	Call by Call ID Plan Assignment	All RABs 01	00 Not Used) 01 Interexchange Carrier Code 02~15 Not Used
02	Call by Call Type of Number Assignment	All RABs 0	0 Unknown 1 International 2 National 3 Network Specific 4 Subscriber or Local 5~7 Not Used
03	Call by Call Numbering Plan ID Assignment	All RABs 00	00 Unknown 01 ISDN/Telephony Numbering Plan) 02 Not Used 3 Future Data Numbering Plan 04~08 Not Used 09 Private Numbering Plan 10~15 Not Used
04	Call by Call Network ID Assignment	All RABs Unspecified	Three or four-digit Call by Call Network ID
05	Call by Call Facility Coding Value Assignment (Service)	All RABs 00	00 Non-CBC RAB, None 01 5ESS SDN 02 5ESS MEGACOMBO800 03 5ESS MEGACOM 06 5ESS ACCUNE) 08 5ESS International 800 16 5ESS AT&T MultIQuest 900 Service 17 NI-2 INWATS 18 NI-2 OUTWATS 19 NI-2 FX 20 NI-2 Tie Trunk 01 DMS100 Private 02 DMS100 INWATS 03 DMS100 OUTWATS 04 DMS100 FX 05 DMS100 Tie Trunk
06	Call by Call Facility Coding Value Assignment (Feature)	All RABs 00	 00 Non-CBC RAB, None 05 5ESS Local Exchange 06 5ESS default-Common Carrier
07	Call by Call Service Parameter Assignment	All RABs 0 - 000	0 (0 or 1) - 000 (000~127)
08	Call by Call Max Digit Assignment	All RABs 00	00 (Don't Send Delimiter)~24
09	Call by Call Simulated Facility Group Assignment	All RABs 00	00 (None)~16

LK 1 System Mode

LK 10 Call by Call (Continued)

Data No.	Memory Block Name	Default Value	Programming Values
20	Call by Call Outgoing SFG Assignment	99	01~16 For Electra Elite 48 (Default 16), 01~64 For Electra Elite192 (Default 64) 99 Default for all SFGs
21	Call by Call Outgoing/Incoming SFG Assignment	99	01~16 For Electra Elite 48 (Default 16), 01~64 For Electra Elite 192(Default 64) 99 Default for all SFGs
22	Call by Call Incoming Type Selection	DID	CO, DID

LK 1 System Mode

LK 11 DTI

Data No.	Memory Block Name	Default Value	Programming Values
00	T1 Signal Format Selection	24	12 (Superframe), 24(Extended Superframe)
01	Clear Channel Selection	ZCS	ZCS, B8ZS
02	Line Length Selection	1	Refer to Line Length Selection on page 1-291.
05	T1 Channel Selection	Refer to T1 Channel Selection on page 1-293.	
06	Signaling Selection	LS	LS, GS
07	DTI Trunk Type Assignment	СО	CO, E&M, DID, ANI
08	Digits Delete for T1 ANI Assignment	2DGT	0 (No delete), 1~9

LK 1 System Mode

LK 12 ACD/UCD

Data No.	Memory Block Name	Default Value	Programming Values
00	ACD/UCD Group Pilot Number Assignment	Not Specified	Any Unused Extension Number
01	ACD/UCD Group Overflow Destination Assignment	Not Specified	Any Unused Extension Number
02	ACD/UCD Overflow Time Selection	60s	In seconds: ∞, 10s, 20s, 30s, 60s,120s, 180s, 240s

LK 1 System Mode

LK 13 PRT

Data No.	Memory Block Name	Default Value	Programming Values
00	PRT Channel Assignment	24	0, 4, 8, 12, 16, 20, 24
01	PRT Signal Format Selection	24	12 (SF), 24 (ESF)
02	Clear Channel Selection	zcs	ZCS, B8ZS
03	Call by Call Service Selection	NO	YS, NO

LK 1 System Mode

LK 14 ARS

Data No.	Memory Block Name	Default Value	Programming Values
00	ARS Allow/Deny Selection	NO	NO, YES
01	ARS Dialing Assignment	None	Tables 1~4.
02	ARS Dial Allow/Deny Selection	YES	YES, NO
03	ARS Route Table Number Assignment	00	Table 1~4, Dial No. 01~C8, Route 01~32
04	ARS Trunk Group to Route Number Assignment	NORMAL	NORMAL, TKGP 01~32, RAB 01~16ARS
05	ARS Digit Delete Assignment	00	Route No. 01~32, No. of Digits 00~10
06	ARS Add Assignment	Not Specified	Route No. 01~32, Additional dialing digits

LK 2 Tenant Mode

Data No.	Memory Block Name	Default Value	Programming Values
01	Trunk to Tenant Assignment	Refer to Trunk to Tenant Assignment on page 1-325.	
05	Line Key Selection	TEL	TEL (Telephone Mode) TNAT (Tenant-Wide Mode)
06	Line Key Selection for Tenant Mode	Refer to Line Key Selection forTenant Mode on page 1-328.	
07	System Speed Dial Display Assignment	CO/PBX Line LED On All Speed Dial Confirmation Allowed	On (Assigned) Off (Not Assigned)
08	ECR Relay to Tenant Assignment	All Tenants - No Assignment	N/A
09	DID Limit to Tenant Assignment	00	00 (no limit), 01~64 Incoming Calls

LK 3 CO/PBX Line Mode

Data No.	Memory Block Name	Default Value	Programming Values
00	Trunk Name/Number Assignment	Not Specified	Maximum of 13 digits (numbers, hyphens, and spaces)
02	Trunk Status Selection	OUT&IN	OUT&IN, IN
03	Trunk-to-Trunk Group Assignment	01	Refer to Trunk-to-Trunk Group Assignment on page 1-340
04	Trunk-to-Trunk Transfer Yes/No Selection	NO	NO, YES
05	Trunk Incoming Answer Mode Selection	NO ASSIGN	NO ASSIGN, TANDM TRF, AA
06	Automatic Tandem Trunk Assignment	Not Specified	CO 01~64
07	CO/PBX Ringing Variation Selection	М	M, L, H
11	CO External Source Selection	СО	CO, EXT SOURCE
12	CO Hold Memory Selection	00	01~64 CO/PBX
14	Tie Line Type Assignment	2ND DIAL	2ND DIAL, IMMEDIATE, DELAY, WINK
15	Trunk DTMF Duration/Interdigit Selection	110 /80	Duration / Interdigit Time in milliseconds: 60/70, 60/80, 110/80, 160/80, 210/80, 410/100, 610/100, 810/190.
16	Tie Line Prepause Time Selection	0	In seconds: 0, 0.5, 1.0, 1.5, 2.0, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0, 9.0, 10.0, 11.0, 12.0,13.0
17	Tie Line Answer Detect Time Selection	520	In milliseconds: 0, 130, 260, 390, 520, 650, 780, 910, 1040, 1170, 1300, 1430, 1560, 1690, 1820, 1950
18	Tie Line Release Detect Time Selection	520	In milliseconds: 0, 130, 260, 390, 520, 650, 780, 910, 1040, 1170, 1300, 1430, 1560, 1690, 1820, 1950
19	Tie Line/CO/PBX Incoming Signal Detect Time Selection	03	Refer to Tie Line/CO/PBX Incoming Signal Detect Time Selection on page 1-358.
20	Tie Line Loop Off-Guard Time Selection	2.0	In seconds: 0.0, 0.5, 1.0, 1.5, 2.0, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0, 9.0, 10.0, 11.0, 12.0, 13.0
21	Tie Line Length of Wink Signal Selection	180	In milliseconds: 30, 60, 90, 120, 150, 180, 210, 240, 270, 300, 330, 360, 390, 420, 450, 480

LK 3 CO/PBX Line Mode (Continued)

Data No.	Memory Block Name	Default Value	Programming Values
22	Tie Line Length of Delay Signal Selection	300	In milliseconds: 0, 300, 600, 900, 1200, 1500, 1800, 2100, 2400, 2700, 3000, 3300, 3600, 3900, 4200, 4500
24	Tie Line Incoming Interdigit Timeout Selection	6s	1s, 2s, 3s, 4s, 5s, 6s, 7s, 8s, 9s, 10s, 11s, 12s, 13s, 14s, 15s, ∞ (No Limit)
25	Tie Line Wink/Delay Signal Detect Timeout Selection	7s	1s, 2s, 3s, 4s, 5s, 6s, 7s, 8s, 9s, 10s, 11s, 12s, 13s, 14s, 15s, ∞ (No Limit)
27	Tie Line DialTone Selection	YS	YS, NO
28	Tie Line ReorderTone Selection	YS	YS (Send) NO (Don't Send)
29	Trunk Internal Transmit Pad Selection	8	In dB: 2, 4, 6, 8, 12, 16, 3, -3, 0
30	Trunk Internal Receive Pad Selection	8	In dB: 2, 4, 6, 8, 12, 16, 3, -3, 0
31	Trunk External Transmit Pad Selection	0	In dB: 2, 4, 6, 8, 12, 16, 3, -3, 0
32	Trunk External Receive Pad Selection	0	In dB: 2, 4, 6, 8, 12, 16, 3, -3, 0
33	Disconnect Recognition Time Selection	0.3	In seconds: 0, 0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9, 1.0, 1.1, 1.2, 1.3, 1.4, 1.5
38	Automated Attendant Message to Trunk Selection	1	Message 1~8 to CO 01~64
40	Automatic Release Signal Detection Selection	350	In milliseconds: 0, 50, 100, 150, 200, 250, 300, 350, 400, 450, 500, 550, 600, 650, 700, ∞ (No Limit)
41	Delay Announcement Assignment	NN	Refer to Delay Announcement Assignment on page 1-385
42	DIT Assignment	No Assignment	N/A
43	ANA Assignment	No Assignment	N/A
44	Caller ID Display Assignment for CO/ PBX Line	Not Specified	N/A
45	Live Record Trunk Selection	NO	NO = No Live Recording YS = Live Recording

LK 3 CO/PBX Line Mode (Continued)

Data No.	Memory Block Name	Default Value	Programming Values
50	ISDN Line SPID Assignment	Not Specified	Up to 20 digits
52	ISDN Trunk Directory Number Assignment	Not Specified	Up to 20 digits
53	Caller Name Indication Selection	NUM	NO, NUM, NAM, TRK
59	Automated Attendant Function Selection	NORMAL	NORMAL, DELAY
61	DIT/ANA Delay Answer Time Selection	0s	0s, 5s, 10s, 20s, 30s, 40s, 50s, 60s
62	DIT Tenant Assignment	00	00~47
63	DIT Weekend Mode Selection	YS	YS, NO
64	DIT Night Mode Delay Answer Selection	NO	NO, YS
65	Hold Tone Automated Attendant Selection	NONE	NONE, MSG 1~MSG 8
67	CO/PBX Ringing Pattern Selection	None	None, Pattern A~Pattern H
69	911 – Cut Through Trunk Selection	NO	NO, YES
90	Polarity Reverse Selection	NO	NO, YS
91	Trunk Type Selection	СО	CO, PBX, TIE, DID, CTX (Assume-9)
92	Trunk (Installed, DP/DTMF) Selection	MF	NIL, DP 10 pps, DP 20 pps, MF

LK 4 Telephone Mode

Data No.	Memory Block Name	Default Value	Programming Values
01	CO/PBX Ring Assignment (Day Mode)	Refer to CO/PBX Ring Assignment (Day Mode) on page 1-409.	No Ring, Immediate Ring, Delayed Ring
02	CO/PBX Ring Assignment (Night Mode)	Refer to CO/PBX Ring Assignment (Night Mode) on page 1-412.	No Ring, Immediate Ring, Delayed Ring
03	Doorphone Chime Assignment (Day Mode)	Station Port 01 and 02 Chime for All Four Doorphones).	DPH1, DPH2, DPH3, DPH4 Station Port 01~120 Chime per Doorphone

LK 4 Telephone Mode (Continued)

Data No.	Memory Block Name	Default Value	Programming Values
04	Doorphone Chime Assignment (Night Mode)	Station Port 01 and 02 Chime (All Line Key LEDs on)	DPH1, DPH2, DPH3, DPH4 Station Port 01~120 Chime per Doorphone
07	Code Restriction Class Assignment (Day Mode)	00 (All Stations)	Class 00~15 per Station
08	Code Restriction Class Assignment (Night Mode)	00 (All Stations)	Class 00~15 per Station
09	Telephone to Tenant Assignment	00 (All Tenant Telephones)	Tenant Number
10	Station Number Assignment	100	Refer to Station Number Assignment on page 1-423
11	Ringing Line Preference Selection	YS	NO, YS
12	Line Key Selection for Telephone Mode	СО	Refer to Line Key Selection forTelephone Mode on page 1-427
13	CO/PBX Busy Forward Station Assignment	Not Specified	N/A
14	Intercom Master Hunt Number Selection	NO	NO, YS
15	Intercom Master Hunt Number Forward Assignment	No Telephones Specified	Station Number
17	Station to Class of Service Feature Assignment	00	Refer to Station to Class of Service Feature Assignment on page 1-435.
18	Station Name Assignment	Not Specified	Up to six digits (characters)
19	Trunk Outgoing Restriction	LEDs Off	Off = Not Restricted On = Restricted
23	Prime Line/Hot Line Assignment	Not Specified	Up to 10 digits
24	SLT Hookflash Assignment	HOLD	HOLD, DISC
26	DISA ID Number Station Assignment	01	Refer to DISA ID Number Station Assignment on page 1-444.
28	Multilingual LCD Indication Selection	ENG	JAPA, FREN, ENG, SPAN
29	HFU Selection	NO	NO, YS
30	Hold/Transfer Recall Display Selection	YS	YS, NO
31	Receiving Internal/All Call Page Selection	YS	YS, NO

LK 4 Telephone Mode (Continued)

Data No.	Memory Block Name	Default Value	Programming Values
32	Trunk Digit Restriction	00 (No Limit)	00~99
35	Voice Mail/SLT Selection	NO	NO, YS
36	Voice Prompt Selection	NO	NO, YS
37	Extension Line Key Ring Assignment (Day Mode)	All LEDs Off	LED Off (No Ring) Green LED (Immediate Ring) Red LED (Delayed Ring, Extension Line Key)
38	Extension Line Key Ring Assignment (Night Mode)	All LEDs Off	LED Off (No Ring) Green LED (Immediate Ring) Red LED (Delayed Ring, Extension LK)
39	APR Ring Mode Assignment	STA	NON, STA, ALL
40	LCR Class Selection	0	Class 0~4
41	SIE/CAR Ringing Line Preference Selection	YS	NO, YS
42	Call Forward - Busy Immediately/Delay Selection	YS	NO, YS
43	Station to Call Appearance Block Assignment	All Stations Assigned Call Appearance Block 00	Call Appearance Block 00~47
44	Caller ID Preset Dial Outgoing CO Selection	Not Specified	N/A
46	Live Record Auto Delete Selection	NO	YS, NO
47	ISDN Directory Number Selection	YES	YES, NO
49	Caller ID Display for CAR Key Assignment	00 (Not Specified)	Refer to the Memory Block Description.
50	Multiline Terminal Type Selection	16	16, 24 Line Keys fo rDTU-32-1 or DTU-32D-2(BK)/(WH) TEL
51	Off-Hook Ringing Selection	YS	YS, NO
52	CO/PBX Answer Key Operation Without Ringing Assignment (Day Mode)	YS	NO, YS
53	CO/PBX Answer Key Operation Without Ringing Assignment (Night Mode)	YS	NO, YS
54	Enhanced 911 CESID to StationTable Assignment	Not Specified	7 or 10 digits plus up to 5-digit extension

LK 4 Telephone Mode (Continued)

Data No.	Memory Block Name	Default Value	Programming Values
55	CO/PBX Telephone Ringing Pattern Selection	None	None, Pattern A~Pattern H
56	SMDR Telephone Print Selection	YS	YS, NO
57	CO Line Ringing Pattern Priority Selection	СО	CO, TEL
58	Automated Attendant Selection for DID	NON	NON, AA1~AA8
59	APR/APA Hookflash Selection	NO	NO, YS
62	ISDN-PRI Directory Number selection	None	Calling Party Number (CPN)
90	SLT Data Line Security Assignment	NORMAL	NORMAL, DATA
91	Telephone Ringing Variation Selection	М	M, L, H
92	Receiving Volume Selection	DOWN	DOWN, UP
93	Internal Zone Paging Selection	NO	No, A, B, C
94	3-Minute Alarm Selection	NO	NO, YS
95	DTMF/DP SLT Type Selection	MF	DP, MF

LK 5 Trunk Group Mode

Data No.	Memory Block Name	Default Value	Programming Values
00	Digit Add/Del for Tie Line Networking	000	Delete up to two digits
	Assignment	(No Add or Delete)	Add up to two digits
01	Tie Line Networking Tandem	All Trunk Groups	On = Enable
	Connection Assignment	CO/PBX Line LEDs On	Off = Disable
02	8-Digit Matching Table to Trunk Group	Enabled	On = Enable
	Assignment	CO/PBX Line LEDs On	Off = Disable
03	OCC Table to Trunk Group Assignment	CO/PBX Line LEDs On Use All Tables	On = Enable Off = Disable

LK 6 Copy Mode

Data No.	Memory Block Name	Default Value	Programming Values
2	Tenant Mode Copy Assignment	N/A	N/A
3	CO Line Mode Copy Assignment	N/A	N/A
4	Telephone Mode Copy Assignment	N/A	N/A
5	Trunk Group Mode Copy Assignment	N/A	N/A

LK 7 ETU Mode

Data No.	Memory Block Name	Default Value	Programming Values
1	Card Interface Slot Assignment	Refer to Card Interface Slot Assignment on page 1-517.	
2	Telephone Type Assignment	TEL	NON, TEL, DSS CONSOL, SLT ADP, DIGITAL VM, MSG BOARD
3-00	MIF (ACD) Assignment	00 (No Assignment)	N/A
3-01	MIF (LCR) Assignment	00 (No Assignment)	N/A
3-02	MIF (SMDR) Assignment	00 (No Assignment)	N/A
3-03	MIF (UCD) Assignment	00 (No Assignment)	N/A
3-04	MIF (Caller ID) Assignment	00 (No Function)	N/A

LK 8 Special Mode

Data No.	Memory Block Name	Default Value	Programming Values
1	ROM Version Confirmation	N/A	N/A
2	System Speed Dial Memory Clear	N/A	N/A
3	Station Speed Dial Memory Clear	N/A	N/A
8	Second Initialization	N/A	N/A
	Clock/Calendar Setting	N/A	N/A

SECTION 4 PROGRAMMING SYSTEM DATA

This section provides detailed instructions for programming individual Memory Blocks. The Memory Blocks are listed numerically. For each Memory Block, the following information is provided.

- C General Description is a brief explanation of the function of the Memory Block.
- Display indicates the default information displayed in the Multiline Terminal LCD during programming.
- Settings (when applicable) indicates the information that is entered using the line keys on the Multiline Terminal.
- Programming Procedures contains detailed procedures to program each Memory Block.
- Related Programming (when applicable) contains a list of associated Memory Blocks that may need to be programmed.
- Notes contains additional information related to programming the Memory Block.

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Pause Time Selection

General Description

Use this Memory Block to specify the time of the pause that can be inserted between digits dialed on CO/PBX and Tie lines.

Display



System Mode 1 Submode 1 Data No. 00 PC Programming At +BCM

Settings

LK 1	LK 2	LK 3	LK 4
1.0s	3.0s		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + (1) (2) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press Transfer to write the data and display the next Memory Block.
5	Program the next Memory Block or press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-1-09	Manual Pause Selection
1-1-24	PBX/CTX Access Code Assignment I
1-1-25	PBX/CTX Access Code Assignment II
3-91	Trunk Type Selection

№ Notes

- 1. A pause is automatically inserted following a CO/PBX Access Code (e.g., 9) by programming CO/PBX lines as PBX in Memory Block 3-91 (Trunk Type Selection) and 1-1-24/25 (PBX/CTX Access Code Assignment I/II).
- 2. Manual pauses can be stored for use when dialing outside lines by the Last Number Redial or Save/Store and Repeat features using Memory Block 1-1-09 (Manual Pause Selection).
- 3. Pauses can be stored as part of System and Station Speed Dial buffers when needed.

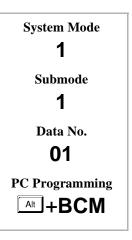
DP Interdigit Time Selection

General Description

The DP Interdigit Time is the minimum pause time between Dial Pulses. Use this Memory Block to Select either Pattern A or Pattern B.

Display





Settings

LK 1	LK 2	LK 3	LK 4
Α	В		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

	T TOOCGE			
1	Go off-line.			
2	Press LK1 + LK1 +	to access th	e Memory Block.	
3	Press the correspon	iding CO/PBX line l	key to change the o	data option.
	DP Dial Data	10 pps	20 pps	
	Pattern A	650 ms.	500 ms.	Minimum Biol
	Pattern B	800 ms.	800 ms.	Dial Millimum Dial Signal Pause Signal Time
4	Press Transfer to write	e the data and displ	ay the next Memo	y Block.
5	Program the next M	emory Block or pre	ss Speaker to go bac	ck on-line.

Related Programming

M.B. Number	Memory Block Name	
3-92	Trunk (Installed, DP/DTMF) Selection	

№1 Notes

Use this Memory Block when DP Tie lines or DID are assigned in Memory Block 3-92 [Trunk (Installed, DP/DTMF) Selection] to send Dial Pulse signaling.

Hookflash Time Selection

General Description

Use this Memory Block to specify the loop open time for a hookflash signal sent to the CO or PBX when the Recall key on a Multiline Terminal is pressed. A Single Line Telephone (SLT) generates a hookflash to the CO or PBX line when a Single Line Telephone hookflash is assigned.

Display



Submode 1 Data No. 02 PC Programming Alt +BCM

System Mode

1

Settings

Page 1

LK 1	LK 2	LK 3	LK 4
20ms	40ms	60ms	80ms
LK 5	LK 6	LK 7	LK 8
100ms	140ms	160ms	200ms

Page 2

LK 1	LK 2	LK 3	LK 4
400ms	600ms	800ms	1.0s
LK 5	LK 6	LK 7	LK 8
1.5s	2.0s	3.0s	5.0s

The shaded selection is the default.

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK1 + ② ② to access the Memory Block.	
3	Press the corresponding CO/PBX line key to change the data option.	
	Use the following to enter data:	
	Recall to go to the next page	
	Feature to go to the previous page	
4	Press Transfer to write the data and display the next Memory Block.	
5	Program the next Memory Block or press Speaker to go back on-line.	

Related Programming

M.B. Number	Memory Block Name
1-1-46	Access Code (1-Digit) Assignment
1-1-47	Access Code (2-Digit) Assignment
1-3-02	SLT Hookflash Signal Selection
4-24	SLT Hookflash Assignment

Notes Notes

1. A 1- or 2-digit Access Code can be assigned in Memory Block 1-1-46/47 [Access Code (1- or 2-Digit) Assignment] for Single Line Telephones to send a hookflash signal on a CO/PBX line (default: 6 #).

2. A hookflash from a Single Line Telephone puts an existing call on hold or sends a hookflash signal on the CO/PBX line.

Hold Recall Time Selection (Non-Exclusive Hold)

General Description

Use this Memory Block to specify the time a Non-Exclusive Hold outside call is held before a recall tone is generated. When no Limit is selected, the hold recall alarm tone is not generated.

Display





Settings

LK 1	LK 2	LK 3	LK 4
25s	45s	60s	90s
LK 5	LK 6	LK 7	LK 8
120s	180s	240s	∞ (No Limit)

The shaded selection is the default.

System Mode

1

Submode

1

Data No.

03

PC Programming



Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + ② 3 to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press Transfer to write the data and display the next Memory Block.
5	Program the next Memory Block or press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-1-63	Hold Recall Time Selection (Exclusive)
1-2-23	System Call Park Recall Time Selection



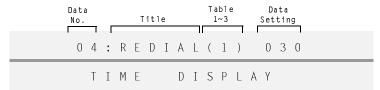
- 1. Calls put on Exclusive Hold, recall using the data selected in Memory Block 1-1-63 [Hold Recall Time Selection (Exclusive)].
- 2. Calls placed on hold on Call Appearance keys, recall using this Memory Block.
- 3. Calls parked in System Call Park locations recall using Memory Block 1-2-23 (System Call Park Recall Time Selection).

Automatic Redial Time Selection

General Description

When a called party is busy, the station user dials an Access Code and restores the handset. Use this Memory Block to define the redial timing parameters when automatic redial is set to a busy CO/PBX number. After the specified number of call attempts with no answer, the system stops dialing.

Display



System Mode

1
Submode
1
Data No.
04
PC Programming
Alt +BM

Programming Procedures

1	Go off-line.			
2	Press LK1 + LK1 + ② ① to access the Memory Block.			
3	Use the dial pad to enter the Data Setting forTable 1. Default Values			
	Use the following to enter data:	Table	Description	Value
	* to move the cursor left	No.	Description	Value
	# to move the cursor right	1	Calling Time	030
	Setting Data (Allowed):	2	Call Waiting Time	060
	Table 1 (Calling Time): 001~050 sec.	3	Call Attempts	002
	Table 2 (Call Waiting Time): 001~100 sec.			
	Table 3 (Call Attempts): 001~015 times			
	us 000 cannot be entered.			
4	Press Transfer to write the data and display the nextTable.			
5	Repeat Steps 3 and 4 for each remaining table. After pressing Transfer for Table 3	3, the next Me	emory Block is displa	yed.
6	Program the next Memory Block or press Speaker to go back on-line.			

Related Programming

No related programming is necessary for this Memory Block.

№ Notes

1. Definitions:

Calling Time: The time that the system automatically calls the busy CO/PBX number. After the programmed time limit is reached, the call is abandoned.

Call Waiting Time: The time the system waits between call attempts.

Call Attempts: The number of times the system redials the busy CO/PBX number.

2. When Call Pickup groups are assigned using Memory Block 4-09 (Telephone to Tenant Assignment), the CO lines must be assigned to the same Tenant group in Memory Block 2-01 (Trunk to Tenant Assignment) for this feature to work.

Start Time Selection

General Description

Use this Memory Block to specify the time after dialing before the system starts the Elapsed Call Time.

Display



Submode 1 Data No. 05 PC Programming Alt +BM

System Mode

Settings

LK 1	LK 2	LK 3	LK 4
10s	20s	30s	40s
LK 5	LK 6	LK 7	LK 8
50s	60s	70s	2s

The shaded selection is the default.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + 4 to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press Transfer to write the data and display the next Memory Block.
5	Program the next Memory Block or press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name	
1-5-25	SMDR Valid Call Time Assignment	

∠

Notes

✓

Notes

Notes

✓

Notes

✓

Notes

✓

Notes

Notes

✓

Notes

✓

Notes

Notes

✓

Notes

Notes

✓

Notes

This time is used for the features with functions described below:

Elapsed Call Time: The time after dialing before the Elapsed Call Time is started and displayed on a Multiline Terminal.

SMDR Start Time: The time needed after dialing before the SMDR Valid Call Time is started. Refer to Memory Block 1-5-25 (SMDR Valid Call Time Assignment). For outgoing calls, both Elapsed Call Time and SMDR Valid Call Time must elapse before a call record is generated.

CO/PBX Incoming Ringing Alarm Time Selection

General Description

Use this Memory Block to specify the time between when a CO/PBX call is detected and the ringing tone changes to a higher pitch when the call is not answered. When No Limit is selected, the ringing tone does not change.

Display



System Mode 1 Submode 1 Data No. 06 PC Programming Alt +BM

Settings

LK 1	LK 2	LK 3	LK 4
10s	20s	30s	∞ (No Limit)
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + . to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press Transfer to write the data and display the next Memory Block.
5	Program the next Memory Block or press Speaker to go back on-line.

M.B. Number	Memory Block Name
1-1-07	Tie Line Delay Ringing Time Selection
3-07	CO/PBX Ringing Variation Selection
4-01	CO/PBX Ring Assignment (Day Mode)
4-02	CO/PBX Ring Assignment (Night Mode)
4-91	Telephone Ringing Variation Selection

№ Notes

1. Memory Blocks 4-01 and 4-02 [CO/PBX Ring Assignment (Day Mode/Night Mode)] must be set to ring.

- 2. CO/PBX lines assigned for DIT/ANA do not activate this feature.
- 3. Tie/DID lines assigned for Delayed Ringing follow this assignment after the delayed ringing starts.
- 4. This feature uses the same ringing tone (Low, Medium, High) that is selected in Memory Blocks 3-07 (CO/PBX Ringing Variation Selection) and 4-91 (Telephone Ringing Variation Selection). When High is selected in those Memory Blocks, this feature does not function.
- 5. Select ∞ (No Limit) to disable this feature.

Tie Line Delay Ringing Time Selection

General Description

Use this Memory Block to specify the time. before a Tie line call ringing at a station can begin ringing at other preassigned stations when it is not answered in a programmed time. CO/ PBX Ringing Assignment defines the preassigned station.

Display



System Mode 1 Submode 1 Data No. 07 PC Programming Att +ALM

Settings

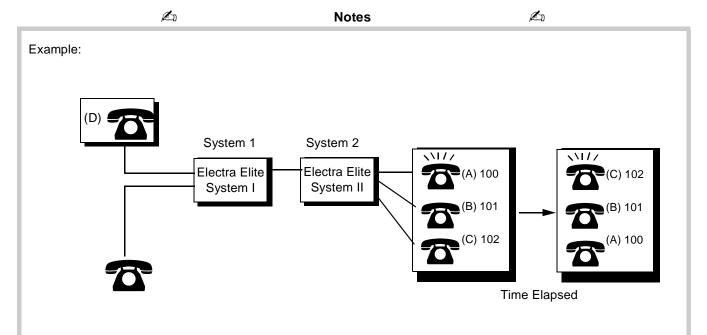
LK 1	LK 2	LK 3	LK 4
10s	20s	30s	∞ (No Limit)
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + . Can to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press Transfer to write the data and display the next Memory Block.
5	Program the next Memory Block or press Speaker to go back on-line.

M.B. Number	Memory Block Name
1-1-34	Tie Line First Ring Pattern Selection
4-01	CO/PBX Ring Assignment (Day Mode)
4-02	CO/PBX Ring Assignment (Night Mode)
4-12	Line Key Selection for Telephone Mode



In this example, systems 1 and 2 are connected. Stations A (extension 100) and C (extension 102) are assigned to ring on the Tie line using Memory Blocks 4-01 and 4-02 [CO/PBX Ring Assignment (Day/Night) Mode].

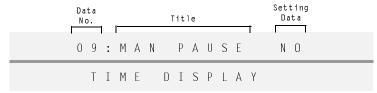
- 1. To speak to station user A, station user D dials extension 100.
- 2. In the example at station A:
 - The ICM LED blinks, and a ring tone that is different from the normal ringing tone is heard.
 - The call can be answered by lifting the handset.
 - Stations B and C users cannot press the line key on the Multiline Terminals to answer the call.
- 3. In the example, when station user A does not answer in the specified time:
 - The ringing tone changes to the normal tone and station C starts ringing.
 - Any station (A, B, or C) user can press the flashing line key to answer the call.
- 4. After the timeout, the system uses the Day and Night Ringing Assignment and rings the assigned station.
- Select ∞ (No Limit) to disable this feature.

Manual Pause Selection

General Description

Use this Memory Block to specify either Pause Insertion or Last Number Dialed/Speed Dial to be executed using the Redial key when it is pressed after one or more digits of a dialed number are entered.

Display



System Mode 1 Submode 1 Data No. 09 PC Programming Alt +BTS

Settings

LK 1	LK 2	LK 3	LK 4
NO	YS		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + 4 to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press Transfer to write the data and display the next Memory Block.
5	Program the next Memory Block or press Speaker to go back on-line.

M.B. Number	Memory Block Name	
1-1-00	Pause Time Selection	



1. When a user seizes a CO/PBX line and dials **907 4000 + Redial + 12345** with this Memory Block set to NO, the system interprets the sequence as:

9074000XXX345 (XXX = Redial and 12 is interpreted as Speed Dial buffer 12).

2. When a user seizes a CO/PBX line and dials **907 4000 + Redial + 12345** with this Memory Block set to YS, the system interprets the sequence as:

9074000XXX12345 (XXX = is interpreted as a pause).

- 3. The pause is inserted when Last Number Redial, Save and Repeat, or Store and Repeat is used to redial the number.
- 4. When this feature is allowed, Multiline Terminal users cannot use consecutive Speed Dial using Redial.

System Transfer/Camp-On Selection

General Description

Use this Memory Block to select (system-wide) whether or not the station user can press the Transfer key to perform a Ring Transfer or Station Camp-On.

Display



System Mode 1 Submode 1 Data No. 11 PC Programming Alt +BTS

Settings

LK 1	LK 2	LK 3	LK 4
NO	YS		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + (*) (*) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press Transfer to write the data and display the next Memory Block.
5	Program the next Memory Block or press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name	
1-1-12	Station Transfer/Camp-On Recall Time Selection	



Transfers or camp-ons from Attendant Add-On Consoles are also affected using this Memory Block.

Station Transfer/Camp-On Recall Time Selection

General Description

Use this Memory Block to specify the time before a Ring Transfer or Station Camp-On from a station (without an Attendant Add-On Console) recalls back to the originating station when the call is not answered.

Display



Submode 1 Data No. 12 PC Programming Alt +BM

System Mode

Settings

LK 1	LK 2	LK 3	LK 4
25s	45s	60s	90s
LK 5	LK 6	LK 7	LK 8
120s	180s	240s	∞ (No Limit)

The shaded selection is the default.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + ① ① to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press Transfer to write the data and display the next Memory Block.
5	Program the next Memory Block or press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name	
1-1-11	System Transfer/Camp-On Selection	
1-6-01	ttendant Add-On Console to Telephone Port Assignment	
1-8-08	Class of Service (Station) Feature Selection 2	
1-1-64	Attendant Add-On Console Transfer/Camp-On Recall Time Selection	



When a station with an Attendant Add-On Console assigned to it transfers or camps-on a call and the call goes unanswered, the call recalls using Memory Block 1-1-64 (Attendant Add-On Console Transfer/Camp-On Recall Time Selection).

CO Transfer Ring Pattern Selection

General Description

Use this Memory Block to select a Ring Pattern for CO transfers.

Display



Settings

(Page 1)

LK 1	LK 2	LK 3	LK 4
OFF	ON	Α	В
LK 5	LK 6	LK 7	LK 8
С	D	Е	F

(Page 2)

LK 1	LK 2	LK 3	LK 4
G	Н		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

System Mode

1
Submode
1
Data No.
13
PC Programming
At +BCS

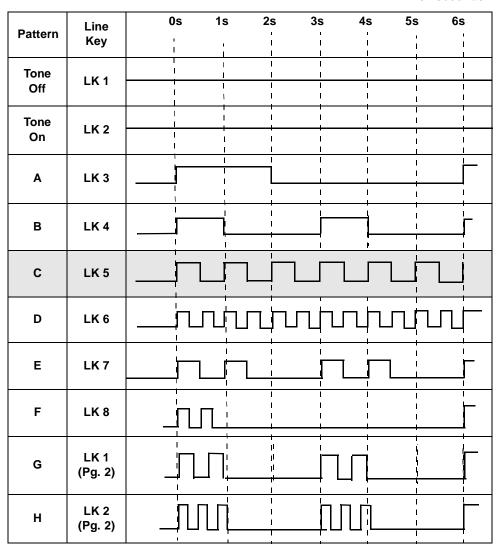
Programming Procedures

1	Go off-line.	
2	Press LK1 + LK1 + (1) (3) to access the Memory Block.	
3	Press the corresponding CO/PBX line key to change the data option. Use the following to enter data: (Recall) to access the next page	
	Feature to access the previous page	
4	Press Transfer to write the data and display the next Memory Block.	
5	Program the next Memory Block or press Speaker to go back on-line.	

M.B. Number	Memory Block Name	
1-1-11	System Transfer/Camp-On Selection	
1-1-14	CO Transfer Ring Tone Selection	

The Ring Patterns are shown in the table below:

s= seconds



CO Transfer Ring Tone Selection

General Description

Use this Memory Block to select a ring tone for CO transfers.

Display



Settings

LK 1	LK 2	LK 3	LK 4
Α	В	С	D
LK 5	LK 6	LK 7	LK 8
Е	F	G	Η

The shaded selection is the default.

System Mode 1 Submode 1 Data No. 14 PC Programming Att +BCS

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK1 + (1) (4) to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.

The available tones are:

Tone	Frequency
Tone A	480/600 (Modulation - 16 Hz)
Tone B	480/606 (Modulation - 8 Hz)
Tone C	1024/1285
Tone D	1024
Tone E	500
Tone F	1024/1285 (Modulation - 16 Hz)
Tone G	600/700 (Modulation - 16 Hz)
Tone H	1024 (Envelope - 2 sec.)

- 4 Press Transfer to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press Speaker to go back on-line.

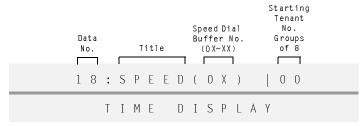
M.B. Number	Memory Block Name	
1-1-11	System Transfer/Camp-On Selection	
1-1-13	CO Transfer Ring Pattern Selection	

System Speed Dial Restriction by Tenant

General Description

Use this Memory Block to specify for each tenant whether or not System Speed Dial is restricted.

Display



System Mode 1 Submode 1 Data No. 18 PC Programming Alt +AC

Settings

Page 1 - Tenants 00~07

LK 1	LK 2	LK 3	LK 4
00	01	02	03
LK 5	LK 6	LK 7	LK 8
04	05	06	07

Page 2-Tenants 08~15

LK 1	LK 2	LK 3	LK 4
08	09	10	11
LK 5	LK 6	LK 7	LK 8
12	13	14	15

Page 3 -Tenants 16~23

LK 1	LK 2	LK 3	LK 4
16	17	18	19
LK 5	LK 6	LK 7	LK 8
20	21	22	23

Page 4 -Tenants 24~31

LK 1	LK 2	LK 3	LK 4
24	25	26	27
LK 5	LK 6	LK 7	LK 8
28	29	30	31

Page 5 - Tenants 32~39

LK 1	LK 2	LK 3	LK 4
32	33	34	35
LK 5	LK 6	LK 7	LK 8
36	37	38	39

Page 6 -Tenants 40~47

LK 1	LK 2	LK 3	LK 4
40	41	42	43
LK 5	LK 6	LK 7	LK 8
44	45	46	47

Six pages provide access to the Tenant Numbers. Tenant Numbers 00~47 correspond to the line keys listed in the table to the left. None are restricted.

 $X = 0 \sim 9$

Programming Procedures

1	l Go off-line	

Press LK1 + LK1 + (7) (8) to access the Memory Block.

Press the corresponding CO/PBX line key to change the tenant number.

Speed Dial buffers have the nine groups listed in the table below.

-				
Dei	rau	IIt	va	lues

All System Speed Dial buffers can be dialed from any tenant.

•			
Speed Dial	Speed Dial Number		
Buffer No.	80 Codes	1000 Codes	
0X	00~09	000~099	
1X	10~19	100~199	
}	1	₹	
6X	60~69	600~699	
7X	70~79	700~799	
8X	N/A	800~899	
·			

B Use the following to enter data:

* to move the cursor left

#) to move the cursor right

(a) ~ (b) to enter numeric data

Recall to move to the next page

Feature to move to the previous page

Each time a CO/PBX line key is pressed, the LED toggles between On and Off.

CO/PBX Line LED	Off	On
Data	Restricted	Not restricted

The shaded area is the default setting.

- Enter all pages for the selected buffer, and press to write the data and display the next Speed Dial Buffer No.
- 5 After entering data for the last Speed Dial Buffer No., press to write that data, and the next Memory Block is displayed.
- 6 Program the next Memory Block or press Speaker to go back on-line.

M.B. Number	Memory Block Name
1-1-33	Speed Dial Number/Name Display Selection
1-1-35	Speed Dial Buffer Allocation
2-01	Trunk to Tenant Assignment
4-09	Telephone to Tenant Assignment

№ Notes

- 1. One or more tenants can be enabled to use each group.
- 2. Use this Memory Block to assign which tenants use each group.
- 3. When speed dial is set to 1000, 900~999 cannot be restricted.
- 4. The X in each Speed Dial Buffer No. is displayed even when it is not entered.
- 5. Tenant numbers 00~07 are assigned to Flexible Line keys on the first page. Tenant numbers 08~15 are assigned to the Flexible Line keys on the second page. The tenant number corresponding to Flexible Line key 1 of the current page is displayed under Starting Tenant No. In all cases, each page is represented by eight line keys.

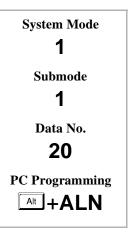
DID Digit Length Selection

General Description

Use this Memory Block to define the number of Direct Inward Dialing (DID) digits in Memory Block 1-1-22 (DID Digit Conversion Table).

Display





Programming Procedures

1	Go off-line.	
2	Press LK1 + LK1 + <a> <a> <a> <a> <a> <a> <a> <a> <a> <a>	
3	Enter the data using the dial pad. Default Values	
	Use the following to enter data:	3 (Setting Data 2, 3, or 4)
	* to move the cursor left	
	🐠 ~ 💮 to enter numeric data	
	Hold to clear all data	
4	Press Transfer to write the data and display the next Memory Block.	
5	Program the next Memory Block or Press Speaker to go back on-line.	

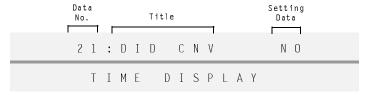
M.B. Number	Memory Block Name	
1-1-21	DID Digit Conversion Assignment	
1-1-22	DID Digit Conversion Table	
1-1-23	DID Forward Station Number for Busy Station or Undefined Digit	
5-00	Digit Add/Del For Tie Line Networking Assignment	

DID Digit Conversion Assignment

General Description

Use this Memory Block to enable the DID Digit Conversion Table, Memory Block 1-1-22 (DID Digit Conversion Table), for each number.

Display



System Mode 1 Submode 1 Data No. 21 PC Programming Alt +ALN

Settings

LK 1	LK 2	LK 3	LK 4
NO	YS		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK1 + ② ① to access the Memory Block.	
3	Press the corresponding CO/PBX line key to change the data option.	Default Values
		NO
4	Press Transfer to write the data and display the next Memory Block.	

M.B. Number	Memory Block Name
1-1-20	DID Digit Length Selection
1-1-22	DID Digit Conversion Table
1-1-23	DID Forward Station Number for Busy Station or Undefined Digit
5-00	Digit Add/Del For Tie Line Networking Assignment



- 1. When NO is assigned, only Memory Block 5-00 has an impact on incoming DID numbers.
- 2. When YS is assigned, each incoming DID number can be modified.

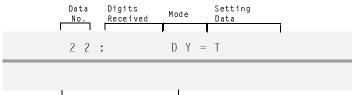
DID Digit Conversion Table

General Description

Up to 200 incoming DID numbers can be assigned individually to ring at a preassigned 2-digit, 3-digit, or 4-digit station number, closed number (plus outgoing digits), or tenant number (00~47) for day mode or night mode. This Memory Block applies to the DID number after it is modified by Memory Block 5-00 (Digit Add/Del for Tie Line Networking Assignment).

Display

Settings



DNIS Data

LK 1	LK 2	LK 3	LK 4
T (Station or Closed Number)	TN (Tenant)		
LK 5	LK 6	LK 7	LK 8

Default not assigned

System Mode

Submode

Data No.

22

PC Programming

Alt +ALN

Programming Procedures

1	Go off-line.		
2	Press LK1 + LK1 + ② ② to access the Memory Block.		
3	Press Line Key to select Station or closed number or tenant. Default Values		
	Enter the data using the dial pad. Not Specified		
	Use the following to enter data:		
	* to move the cursor left		
	# to move the cursor right		
	 2 ~ ② to enter numeric data or name (Refer to Section 9 Character Assignment) 		
	Redial to switch between Day and Night		
Hold to clear all data			
	Recall to assign the name (Refer to Dial Pad Entry chart)		
	Digits Received: 0000~9999		
	Setting Data:		
	Station No. is a 2-, 3-, or 4-digit number (10~99, 100~999, 0r 1000	0~9999).	
	Closed Number is a 2-, 3-, or 4-digit number to facilitate routing to the closed number.		
	Tenant No. 00~47		
	DNIS Data: 8-character maximum		
4	Press Transfer to write the data and display the next Memory Block.		
5	Program the next Memory Block or press Speaker to go back on-line.		

Related Programming

M.B. Number	Memory Block Name	
1-1-20	DID Effective Digit Selection	
1-1-21	DID Digit Conversion Assignment	
1-1-23	DID Forward Station Number for Busy Station or Undefined Digit	
5-00	Digit Add/Del For Tie Line Networking Assignment	

№ Notes

When Memory Block 5-00 is used to add or delete digits on a trunk group, this Memory Block is used to route the digits after the add or delete.

DID Forward Station Number for Busy Station or Undefined Digit

General Description

Use this Memory Block when Memory Block 1-1-22 (DID Digit Conversion Table) is enabled to define where digits are routed when undefined or the station is busy.

Display



System Mode 1 Submode 1 Data No. 23 PC Programming Alt +ALN

Settings

LK 1	LK 2	LK 3	LK 4
NON	T (TEL)	TN (Tenant)	
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK1 + (2) (3) to access the Memory Block.	
3	Enter Setting Data 1 using the Line key.	Default Values
	Enter Setting Data 2 using the dial pad.	NON
	Use the following to enter data:	
	* to move the cursor left	
	# to move the cursor right	
	(a) ~ (b) to enter numeric data	
	TEL is 2-, 3-, or 4-digit number (10~99, 100~999, or 1000~9999)	
	Tenant number can be 00~47	
4	Press Transfer to write the data and display the next Memory Block.	
5	Program the next Memory Block or press Speaker to go back on-line.	

M.B. Number	Memory Block Name
1-1-22	DID Digit Conversion Table

$\mathscr{L}_{\mathtt{D}}$	Notes	∠ n
Call Alert notification has higher priority the	han busy.	

PBX/CTX Access Code Assignment I

General Description

Use this Memory Block to specify a PBX line PBX/CTX Access Code together with pauses for outgoing calls.

Display



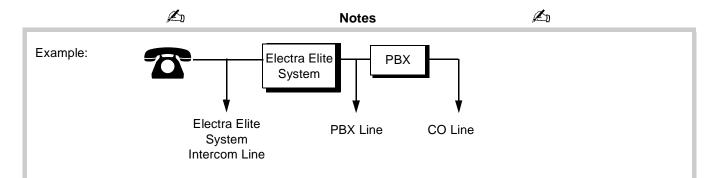
System Mode

1
Submode
1
Data No.
24
PC Programming
Alt +BA

Programming Procedures

1	Go off-line.		
2	Press LK1 + LK1 + 😩 😩 to access the Memory Block.		
3	Enter the data using the dial pad. Default Values		
	Use the following to enter data: 9–		
	* to move the cursor left		
	# to move the cursor right		
	(a) ~ (b) to enter numeric data		
	Redial to insert a pause		
	Hold to clear all data		
4	Press Transfer to write the data and display the next Memory Block.		
5	Program the next Memory Block or press Speaker to go back on-line.		

M.B. Number	Memory Block Name
3-91	Trunk Type Selection



- 1. Features such as Code Restriction do not operate properly unless a PBX/CTX Access Code is specified. This limitation applies to PBX lines assigned in Memory Block 3-91 (Trunk Type Selection).
- 2. A pause is not inserted in the number of an outgoing call on a CO line.
- 3. Up to three numeric characters and three pauses can be specified.
- 4. A pause cannot be inserted as the first digit or as consecutive digits.
- 5. The entry for pause is -.

PBX/CTX Access Code Assignment II

General Description

Use this Memory Block to specify a second PBX line PBX/CTX Access Code together with pauses for outgoing calls.

Display



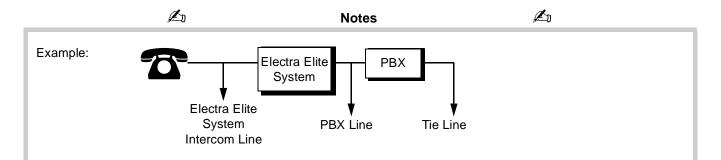
System Mode

1
Submode
1
Data No.
25
PC Programming
Alt +BA

Programming Procedures

1	Go off-line.		
2	Press LK1 + LK1 + ② ② to access the Memory Block.		
3	Enter the option using the dial pad. Use the following to enter data: * to move the cursor left * to move the cursor right * to enter numeric data Redial to insert a pause (cannot be first digit) Hold to clear all data		
	Press Transfer to write the data and display the next Memory Block.		
5	Program the next Memory Block or press Speaker to go back on-line.		

M.B. Number	Memory Block Name
3-91	Trunk Type Selection



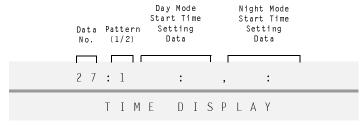
- 1. Features such as Code Restriction do not operate properly unless a PBX/CTX Access Code is specified. This limitation only applies to PBX lines assigned in Memory Block 3-91 (Trunk Type Selection).
- 2. A pause is not inserted in the number of an outgoing call on a CO line.
- 3. Up to three numeric characters and three pauses can be specified.
- 4. A pause cannot be inserted as the first or as consecutive digits.

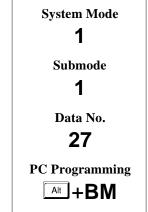
Automatic Day/Night Mode Switching Time Assignment

General Description

Use this Memory Block to assign a start time for Pattern 1 and a different start time for Pattern 2 to automatically switch between Day Mode and Night Mode.

Display





Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + ② (3) to access the Memory Block.
3	Enter the data using the dial pad. Use the following to enter data: * to move the cursor left * to move the cursor right * to enter numeric data * to clear all data when the cursor is in the Data No. position.
4	Press Transfer to write the data. The switching time for pattern 2 is displayed.
5	Use the dial pad to change the time.
6	Press Transfer to write the data and display the next Memory Block.
7	Program the next Memory Block or press Speaker to go back on-line.

M.B. Number	Memory Block Name
1-1-32	Automatic Day/Night Mode by Day of Week Selection
1-4-05	Automatic Tandem Trunk by Night Mode Selection
1-8-07	Class of Service (Attendant) Feature Selection I
1-8-48	Automatic Daylight Saving Time Selection.
4-07	Code Restriction Class Assignment (Day Mode)
4-08	Code Restriction Class Assignment (Night Mode)
4-09	Telephone to Tenant Assignment
4-17	Station to Class of Service Feature Assignment

Related Programming (Continued)

M.B. Number	Memory Block Name
4-37	Extension Line Key Ring Assignment (Day Mode)
4-38	Extension Line Key Ring Assignment (Night Mode)



- The start time for Day Mode or Night Mode can be programmed to automatically switch modes at the specified times.
- 2. A start time for Day Mode only or Night Mode only cannot be programmed.
- 3. Day Mode and Night Mode cannot be programmed for the same start time.
- 4. The time is entered using 24-hour clock only.
- 5. The first time input indicates when Day Mode starts. The second time input indicates when Night Mode starts.
- 6. Refer to Memory Block 1-1-32 (Automatic Day/Night Mode by Day of Week Selection) for selecting either Pattern 1 or Pattern 2 Day/Night Mode start time for each day of the week. Assigning each day of the week to either Pattern 1 or Pattern 2 allows Day/Night Mode start time for Monday through Friday to differ from Day/Night Mode start time for Saturday and Sunday.

Distinctive Ringing by Telephone or CO Selection

General Description

Use this Memory Block to assign a distinctive ringing tone for each telephone or each CO/PBX line.

Display



System Mode 1 Submode 1 Data No. 28 PC Programming Alt +BTS

Settings

LK 1	LK 2	LK 3	LK 4
TEL	CO		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + ② ③ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press Transfer to write the data and display the next Memory Block.
5	Program the next Memory Block or press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
3-07	CO/PBX Ringing Variation Selection
4-01	CO/PBX Ring Assignment (Day Mode)
4-02	CO/PBX Ring Assignment (Night Mode)
4-91	Telephone Ringing Variation Selection

№ Notes

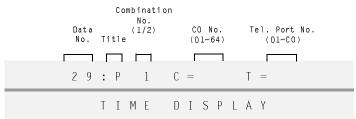
- 1. TEL = Telephone Mode
 - Ringing tone is specified in Memory Block 4-91 (Telephone Ringing Variation Selection).
- 2. CO = CO/PBX Line Mode
 - Ringing tone is specified for each CO/PBX line in Memory Block 3-07 (CO/PBX Ringing Variation Selection).

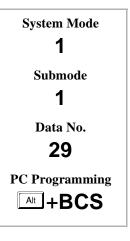
Private Line Assignment

General Description

Use this Memory Block to assign an outside line as a private line. The private line cannot be seized by any other telephone, and an LED indication is not provided to other terminals.

Display





Programming Procedures

1	Go off-line.		
2	Press LK1 + LK1 + (2) . to access the Memory Block.		
3	Enter the data using the dial pad. Default Values		
	Use the following to enter data: Not Specified		
	* to move the cursor left		
	# to move the cursor right		
	(P) ~ (P) to enter numeric data		
	Hold to clear all data when cursor is at CO No. or Tel. Port No.		
4	Press Transfer to write the data. Data for the second line is displayed. Move the cursor to change the data.		
5	Press Transfer to write the data and display the next Memory Block.		
6	Program the next Memory Block or press Speaker to go back on-line.		

M.B. Number	Memory Block Name	
2-06	Line Key Selection for Tenant Mode	
4-12	Line Key Selection for Telephone Mode	



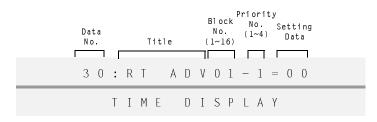
- 1. Two private lines can be assigned to one station or one private line can be assigned to two stations.
- A Single Line Telephone (SLT) user cannot dial the Trunk Group Access Code to access a private line. The Single Line Telephone user can dial the specified Line Seizure Access Code assigned in Memory Blocks 1-1-46/ 1-1-47 [Access Code (1-digit/2-digit) Assignment], Function 063 or 064 to access the line.
- 3. When a station is allowed Barge-In originate, and a second station is allowed Barge-In receive, Barge-In is not allowed on a private line unless both stations share the private line.

Route Advance Block Assignment

General Description

Use this Memory Block to assign a priority level (1~4) to each Trunk group assigned in a Route Advance Block. The system has 16 blocks that can be specified.

Display



System Mode

1

Submode

1

Data No.

30

PC Programming

Alt +BCS

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK1 + (3) (Press to access the Memory Block.
- 3 Write data using one of the following.

Default Values

All Blocks (00)

The data using one of the following.

Press Transfer repeatedly to cycle until desired Block and Priority number are displayed. Use dial pad to enter Trunk Group Number, and press Transfer

ΛR

Use dial pad to select Block Number, Priority Number, and Trunk Group in sequence, and press transfer after Block 16 to display the next Memory Block.

Use the following to enter data:

- * to move the cursor left
- # to move the cursor right
- (P) ~ (9) to enter numeric data

Block No.	Priority No.	Setting Data	
	1	Trunk Groups 01~32	
1	2	Trunk Groups 01~32	
	3	Trunk Groups 01~32	
	4	Trunk Groups 01~32	
1	1	}	
	1	Trunk Groups 01~32	

	-	
	1	Trunk Groups 01~32
16	2	Trunk Groups 01~32
10	3	Trunk Groups 01~32
	4	Trunk Groups 01~32

4 Program the next Memory Block or press Speaker to go back on-line.

M.B. Number	Memory Block Name	
3-03	Trunk-to-Trunk Group Assignment	



- 1. When 00 (Not Set) is programmed, no trunks are accessed for this priority setting.
- 2. When Route Advance Block Numbers are assigned and a line key is pressed or an Access Code is dialed, the system starts searching for an idle line in a specified group (beginning with the Trunk group assigned priority 1).
- 3. When all CO/PBX lines are in use, the line with the next highest priority is seized.
- 4. Route Advance Block Number Access Codes are defined in Memory Block 1-1-46 [Access Code (1-Digit) Assignment] or Memory Block 1-1-47 [Access Code (2-Digit) Assignment] function number 176.
- 5. Press the Transfer key repeatedly to cycle through four priorities for each Block sequentially until all Blocks are covered, and then advance to the next Memory Block. The Trunk Group must be added using the dial pad keys.

Automatic Day/Night Mode by Day of Week Selection

General Description

Use this Memory Block to select either Pattern 1 or Pattern 2 Day/Night Mode start time for each day of the week. Memory Block 1-1-27 (Automatic Day/Night Mode Switching Time Assignment) sets Day/Night Mode start time for Pattern 1 and Pattern 2 to switch the system between Day Mode and Night Mode.

Display



System Mode 1

Submode

1

Data No.

32

PC Programming



Settings

LK 1	LK 2	LK 3	LK 4
Sun	Mon	Tue	Wed
LK 5	LK 6	LK 7	LK 8
Thu	Fri	Sat	

Programming Procedures

1 Go off-line.

Pattern 2.

- 2 Press LK1 + LK1 + (3) (2) to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.
 Each time a CO/PBX line is pressed, the LED indication changes from Pattern 1 to

Default Values

Sunday ~ Saturday = Pattern 1

CO/PBX Line LED	Off	On
Data	Day/Night Automatic Switching Pattern 1	Day/Night Automatic Switching Pattern 2

The shaded area is the default setting.

- 4 Press Transfer to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press Speaker to go back on-line.

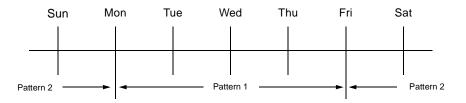
Related Programming

M.B. Number	Memory Block Name
1-1-27	Automatic Day/Night Mode Switching Time Assignment
1-8-07	Class of Service (Attendant) Feature Selection 1
1-8-48	Automatic Daylight Saving Time Selection.
4-09	Telephone to Tenant Assignment
4-17	Station to Class of Service Feature Assignment



By designating two time settings in Memory Block 1-1-27 (Automatic Day/Night Mode Switching Time Assignment), one of the two settings can be assigned to each day of the week.

To specify Day/Night Mode automatic switching time for Monday ~ Friday, and Day/Night Mode automatic switching time 2 for Saturday and Sunday, press CO/PBX line keys 1 and 7.

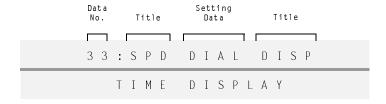


Speed Dial Number/Name Display Selection

General Description

Use this Memory Block to specify whether the dialed number or name is displayed first on the LCD of the originating station when an outgoing call is made using Speed Dial.

Display



System Mode 1 Submode 1 Data No. 33 PC Programming Att +BE

Settings

LK 1	LK 2	LK 3	LK 4
DIAL	NAME		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + (3) (3) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press Transfer to write the data and display the next Memory Block.
5	Program the next Memory Block or press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name	
1-1-18	System Speed Dial Restriction by Tenant	
1-1-35	Speed Dial Buffer Allocation	



When the name of the dialed party is not programmed in Memory Block 3-00, only the dialed number is displayed regardless of programming in this Memory Block.

Tie Line First Ring Pattern Selection

General Description

Use this Memory Block to set a specific ringing pattern for incoming calls on Tie lines. After a delay interval specified in Memory Block 1-1-07 (Tie Line Delay Ringing Time Selection), a Tie call can ring at all Day/Night ring-assigned telephones using a different cadence.

Display



System Mode 1 Submode 1 Data No. 34 PC Programming Alt +ALN

Settings

LK 1	LK 2	LK 3	LK 4
PAT1	PAT2	PAT3	PAT4
LK 5	LK 6	LK 7	LK 8
ICM	VOICE		

The shaded selection is the default.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + 👶 🕭 to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press Transfer to write the data and display the next Memory Block.
5	Program the next Memory Block or press Speaker to go back on-line.

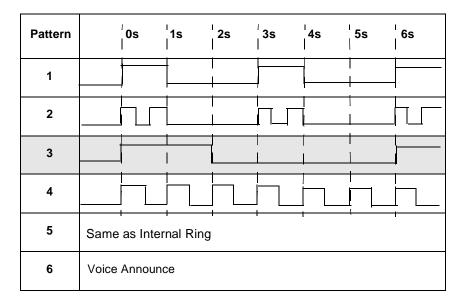
M.B. Number	Memory Block Name
1-1-07	Tie Line Delay Ringing Time Selection
1-1-53	Tie Line Delay Ring Pattern Selection
4-01	CO/PBX Ring Assignment (Day Mode)
4-02	CO/PBX Ring Assignment (Night Mode)



- 1. Specify one pattern in the Ringing Pattern Selection Table.
- 2. When Voice is selected, switching from voice to tone is not allowed, Memory Block 1-1-07 (Tie Line Delay Ringing Time Selection) is not used, and Handsfree Answerback is not allowed at the receiving station.

Ringing Pattern Selection

s= seconds



Speed Dial Buffer Allocation

General Description

Use this Memory Block to specify either 100-memory or 1000-memory allocation.

Display



System Mode 1 Submode 1 Data No. 35 PC Programming Alt +BE

Settings

LK 1	LK 2	LK 3	LK 4
100	1000		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK1 + 3 2 to access the Memory Block.	
3	Press the corresponding CO/PBX line key to change the data option.	
4	Press Transfer to write the data and display the next Memory Block.	
5	Program the next Memory Block or press Speaker to go back on-line.	

M.B. Number	Memory Block Name	
1-1-18	System Speed Dial Restriction by Tenant	
1-1-33	Speed Dial Number/Name Display Selection	



- 1. The 100-memory option allows 80 System Speed Dial memories and 20 Station Speed Dial memories.
- 2. The 1000-memory option does not allow Station Speed Dial memories.

Trunk Queuing Timeout Selection

General Description

Use this Memory Block to specify the time that a station with Trunk Queue set rings, before the queue is automatically canceled.

Display



System Mode 1 Submode 1 Data No. 37 PC Programming Alt +BM

Settings

LK 1	LK 2	LK 3	LK 4
10s	20s	30s	60s
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.		
2	Press LK1 + LK1 + (3) (7) to access the Memory Block.		
3	Press the corresponding CO/PBX line key to change the data option.		
4	Press Transfer to write the data and display the next Memory Block.		
5	Program the next Memory Block or press Speaker to go back on-line.		

Related Programming

No related programming is necessary for this Memory Block.



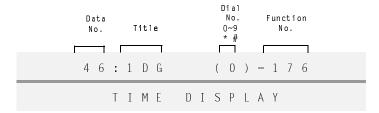
When all trunks in a particular Trunk group are busy, the station user can dial an Access Code to queue on the busy Trunk group. When a Trunk in that group becomes idle, the queued station is signaled.

Access Code (1-Digit) Assignment

General Description

Use this Memory Block to assign a 1-digit number as an Access Code or station number.

Display



System Mode

1
Submode
1
Data No.
46
PC Programming

Alt +BA

Programming Procedures

1	Go off-line.				
2	Press LK1 + LK1 + ② ⑤ to access the Memory Block.				
3	Enter the options using the dial pad.	Default Valu	pefault Values		
	Use the following when entering data:	Dial No.	Function No.	Function Name	
	* to move the cursor left * to move the cursor right	(OPER)	176	Specified Intercom Call	
	② ~ ② to enter numeric data	7 ~ (3)	001	Station Number	
		(HI) ~ (7)	000	Not Used	
		8	102	Trunk Group 2	
		(9) WEXYE	101	Trunk Group 1	
		*	096	Last Number Redial	
		#	026	Callback Message Answer	
4	Enter the Function Number for the Dial Number. Refer to the table on the following pages for a complete list.				
5	Press Transfer to write the data and display the next Dial No.				
6	Program each Dial No., and press Transfer after the last Dial No. to display the next Memory Block.				
7	Program the next Memory Block or press Speaker to go back on-line.				

M.B. Number	Memory Block Name	
1-1-47	Access Code (2-Digit) Assignment	
1-1-48	Access Code (3-Digit) Assignment	

№ Notes

1. Select options from the list of function numbers in Memory Block 1-1-46 [Access Code (1-Digit) Assignment], and assign a number (from 0~9), *, or # to each selected function.

- When a function is assigned a 1-digit Access Code, 2-digit Access Codes with the same first digit become invalid (*i.e.*, if a function is assigned to Access Code 5, Access Codes 50~59, 5*, and 5* cannot be used).
- To enter # or * as part of an Access Code, press Redial then ₱ or ★.
- 3. This Memory Block is used when a 2- or 3-Digit Station Numbering Plan is programmed.

This table applies to Data Numbers 46, 47, and 48.

Default Dial Numbers and Function Numbers

Default Dial No.	Function No.	Function Name
4, 5, 6, 7	000	Not Used
1, 2, 3	001	Station Number
	002	Not Used
	ì	l
	019	Not Used
	020	Call Forward - No Answer Set
	021	Call Forward - No Answer Cancel
	022	Call Forward - Busy Set
	023	Call Forward - Busy Cancel
43	024	Call Forward - Busy/No Answer Set
44	025	Call Forward - Busy/No Answer Cancel
#	026	Callback Message Answer
6#	027	SLT Hookflash/DVM Hookflash
		Series 5000 or higher for DVM
	028	Not Used
	029	Not Used
41	030	Call Forward - All Call Set
40	031	DND Set
42	032	Call Forward - All Call/DND Cancel
	033	Call Forward - All Call Set from Destination

Default Dial No.	Function No.	Function Name
	034	Call Forward - All Call Cancel from Destination
	035	Station Outgoing Lockout Set
	036	Station Outgoing Lockout Cancel
	037	Change Password
	038	Reset Password from Attendant
	039	Fax Status Indication (Tie/DID lines)
	040	Log - ON/OFF
	041	Account Code Entry
67	042	Call Pickup Direct
	043	Not Used
	044	Timed Alarm Set at SLTs
	045	Timed Alarm Cancel at SLTs
	046	Set and Cancel of Timed Alarm for Single Line Telephone from Attendant
4 *	047	Call Park System Transfer
4#	048	Call Park System Answer
60	049	Volume/LCD Control
	050	Specified Tenant on CO/PBX/ Centrex Line Seizure (1-digit)
	051	Specified Tenant on CO/PBX/ Centrex Line Seizure (2-digit)

Default Dial Numbers and Function Numbers

Default Dial No.	Function No.	Function Name
	052	Call Pickup CO/PBX by Tenant (1-digit)
	053	Call Pickup CO/PBX/Centrex by Tenant (2-digit)
	054	Specified Tenant Internal Paging (1-digit)
	055	Specified Tenant Internal Paging (2-digit)
	056	Internal Emergency All Call Paging
68	057	Intra-Tenant Call Pickup
69	058	Night Chime Call Pickup
	059	Not Used
	060	Call Pickup CO/PBX for other Tenants
	061	Internal/CO/PBX Transfer Call Pickup in Same Tenant
	062	SLT Park to Non-Exclusive Hold
	063	Specified CO/PBX/Centrex Line Seizure (1-digit)
	064	Specified CO/PBX/Centrex Line Seizure (2-digit)
	065	Not Used
6 *	066	Call Pickup CO/PBX in Same Tenant
	067	Call Pickup (Tie only) in Same Tenant
	068	Call Pickup (PBX only) in Same Tenant
	069	Call Pickup (CO only) in Same Tenant
51	070	All Internal Zone Paging
52	071	Internal Zone A Paging
53	072	Internal Zone B Paging
54	073	Internal Zone C Paging
5 *	074	Internal/External Meet-Me

Default Dial No.	Function No.	Function Name
55	075	All External Zone Paging
56	076	External Zone A Paging
57	077	External Zone B Paging
58	078	External Zone C Paging
5#	079	External Meet-Me
	080	Outgoing (CO only) Access in Same Tenant
59	081	All Internal/External Zone Paging
	082	System I. D. Number for Tie Line Networking
	083	Not Used
	1	1
	085	Not Used
	086	Tie Line Seizure in Same Tenant
	087	PBX Line Seizure in Same Tenant
78	088	Trunk Queuing Set
79	089	Trunk Queuing Cancel
76	090	Station Speed Dial Programming (Single Line Telephone)
	091	Doorphone 1 Call
	092	Doorphone 2 Call
	093	Doorphone 3 Call
	094	Doorphone 4 Call
77	095	Station/System Speed Dial Call (Single Line Telephone)
*	096	Last Number Redial
	097	Not Used
	098	DSS 1 CALL
	099	DSS 2 CALL
	100	Not Used

Default Dial Numbers and Function Numbers

Default Dial No.	Function No.	Function Name
9	101	Trunk Group 01
8	102	Trunk Group 02
70	103	Trunk Group 03
71	104	Trunk Group 04
72	105	Trunk Group 05
73	106	Trunk Group 06
74	107	Trunk Group 07
75	108	Trunk Group 08
	109~132	Trunk Group 09~32
	133~139	Not Used
45	140	Call Forward - Busy/No Answer Set for Call Arrival Key (CAR)
46	141	Call Forward - Busy/No Answer Cancel for Call Arrival Key (CAR)
47	142	Call Forward - All Call Set for Call Arrival Key (CAR)
48	143	Call Forward - All Call Cancel for Call Arrival Key (CAR)
	144	Call Forward - All Split Set for Call Arrival Key (CAR)
	145	Call Forward - All Split Cancel for Call Arrival Key (CAR)
	146	Forced Account Code Programming
	147	Forced Account Code Access
	148	Station Relocation
	150 *	Call Forward - No Answer Split Set
	151 *	Call Forward - No Answer Split Cancel
	152 *	Call Forward - Busy Split Set
	153 *	Call Forward - Busy Split Cancel
	154 *	Call Forward - Busy/ No Answer Split Set
	155 *	Call Forward - Busy/ No Answer Split Cancel
	156 *	Call Forward - All Split Set
	157 *	Call Forward - All Split Cancel

Series 5000 or higher

Default Dial No.	Function No.	Function Name
	158 *	Call Forward - Busy/No Answer Split Set for Call Arrival Key (CAR)
	159 *	Call Forward - Busy/No Answer Split Cancel for Call Arrival Key (CAR)
	160~175	Not Used
0	176	Specified Station Access Code 00
	177	Specified Station Access Code 01
	178	Specified Station Access Code 02
	179	Specified Station Access Code 03
	180	Specified Station Access Code 04
	181	Specified Station Access Code 05
	182	Specified Station Access Code 06
	183	Specified Station Access Code 07
	184	Specified Station Access Code 08
	185	Specified Station Access Code 09
	186	Specified Station Access Code 10
	187	Specified Station Access Code 11
	188	Specified Station Access Code 12
	189	Specified Station Access Code 13
	190	Specified Station Access Code 14
	191	Specified Station Access Code 15
	192	Specified Station Access Code 16
	193	Specified Station Access Code 17
	194	Specified Station Access Code 18
	195	Specified Station Access Code 19
	196	Specified Station Access Code 20
	197	Specified Station Access Code 21
	198	Specified Station Access Code 22
	199	Specified Station Access Code 23
	200	Not Used
	201~216	Route Advance Block 01~16
	217~250	Not Used

Default Dial Numbers and Function Numbers

Default Dial No.	Function No.	Function Name
	251	DISA Password Set (Any station)
	252	DISA Password Reset (Attendant only)
	253	DISA Password Confirmation (Attendant only)
	254	Not Used
	255	Not Used
	301	Third Digit Table Number 01 (2-digit Numbering Plan can only be entered.)
	ł	}

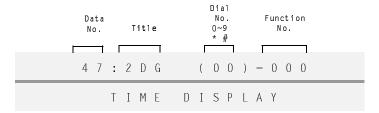
Default Dial No.	Function No.	Function Name
	304	Third Digit Table Number 04 (2-digit Numbering Plan can only be entered.)
	401	Closed Number Block 1
	l	`
	416	Closed Number Block 16
	501	VRS Voice Message Record/Verify/ Erase (Voice Prompt, Automated Attendant)
	502	Voice Mail Message Set
	503	Voice Mail Message Cancel

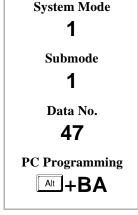
Access Code (2-Digit) Assignment

General Description

Use this Memory Block to assign a 2-digit number as an Access Code.

Display





Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + 💮 💪 to access the Memory Block.
3	Enter the options using the dial pad. Use the following to enter data:
	* to move the cursor left
	# to move the cursor right • continuous to enter numeric data
4	Enter the Function Number for the Dial Number. Refer to the table in Memory Block 1-1-46 [Access Code (1-Digit) Assignment].
5	Press Transfer to display next dial number in succession.
6	After programming last Dial No., press Transfer to display the next Memory Block.
7	Program the next Memory Block or press Speaker to go back on-line.

M.B. Number	Memory Block Name
1-1-46	Access Code (1-Digit) Assignment
1-1-48	Access Code (3-Digit) Assignment



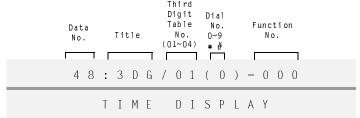
- 1. Select options from the list of function numbers in Memory Block 1-1-46 [Access Code (1-Digit) Assignment], and assign a number (from 00~99), *, or # to each selected function.
 - When a function is assigned a 1-digit Access Code, 2-digit Access Codes with the same first digit become invalid (*i.e.*, if a function is assigned to Access Code 5, Access Codes 50~59, 5*, and 5# cannot be used).
- 2. To enter # or * as part of an Access Code, press Redial then # or *.
- 3. Use this Memory Block when a 4-Digit Station Numbering Plan is programmed.

Access Code (3-Digit) Assignment

General Description

Use this Memory Block to assign a 3-digit number as an Access Code.

Display





Programming Procedures

1	Go off-line.		
2	Press LK1 + LK1 + 4 to access the Memory Block.		
3	Enter the Function No. for Dial No. 0 for Third Digit Table No. 01 using the dial pad. Use the following to enter data: ** to move the cursor left ** to move the cursor right ** to enter numeric data ** Redial* and ** to enter ** ** Redial* and ** to enter #		
4	Press Transfer to write the data and display the next Dial No.		
5	After last Dial No. entry, press Transfer to write the data and display Third Digit Table No. 02, Dial No. 0.		
6	Enter Function No. for Dial No. 0 and Press Transfer to write the data and display the next Dial No.		
7	After last Dial No. entry for Table 02, press Transfer to write the data and display Third Digit Table No. 03, Dial No. 0.		
8	Enter Function No. for Dial No. 0 and Press Transfer to write the data and display the next Dial No.		
9	After last Dial No. entry for Table 03, press Transfer to write the data and display Third Digit Table No. 04.		
10	Enter Function No. for Dial No. 0 and Press Transfer to write the data and display the next Dial No.		
11	After last Dial No. entry for Table 04, press Transfer to write the data and display the next Memory Block.		
12	Program next Memory Block or press Freaker to go back on-line.		

M.B. Number	Memory Block Name
1-1-46	Access Code (1-Digit) Assignment
1-1-47	Access Code (2-Digit) Assignment

Notes L

1. Select options from the list of function numbers in Memory Block 1-1-46 [Access Code (1-Digit) Assignment], and assign a 3-digit Access Code.

- When a function is assigned a 1-digit Access Code or 2-digit Access Code, 3-digit Access Codes (with the same first digit) become invalid (*i.e.*, if a function is assigned to Access Code 5, Access Codes 50~59, 5*, and 5# cannot be used).
- 2. A station number is not assigned in this Memory Block.
- 3. All items except function number 001 (Station Number) in 1-digit assignment are valid in this block.
- 4. Four groups of Access Code Tables can be used. 0~9, *, and # are the third digit Access Codes that are assigned in the third digit tables.
- 5. Before using this function, assign function numbers 301~304 (Table No. for third digit) in Memory Block 1-1-47 [Access Code (2-Digit) Assignment].
- 6. To program Access Code 811 for Trunk Group 02:
 - Use Memory Block 1-1-47 [Access Code (2-Digit) Assignment] to assign function 301 to 81.
 - Set Third Digit Table No. 01 dial number 1 to function 102.

Numbering Plan (2-Digit)

Dial No.	Function Number
81	301 (3rd Dgt Table 01)
82	302 (3rd Dgt Table 02)
83	303 (3rd Dgt Table 03)
84	304 (3rd Dgt Table 04)

Numbering Plan (3-Digit) 3rd Digit Table No. 01

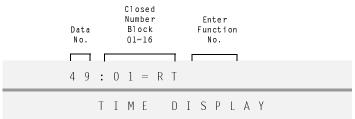
Dial No.	Function Number
0	101 (Trunk Group 01)
1	102 (Trunk Group 02)
2	103 (Trunk Group 03)
3	104 (Trunk Group 04)
4	105 (Trunk Group 05)
ſ	ſ
9	110 (Trunk Group 10)

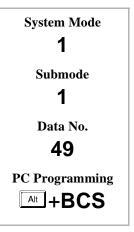
Networking Trunk Group/Route Advance Assignment

General Description

Use this Memory Block to assign the function number of the Trunk Group to be used to network an Electra Elite 48/192 system to another system by Tie lines or CO/PBX/CTX lines.

Display





Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + 4 g to access the Memory Block.
3	Use dial pad to enter the Function Number for Closed Number Block 01 of the Trunk Group or the Route Advance Block. Use the following to enter data: ** to move the cursor left ** to move the cursor right ** to move the cursor right ** to enter numeric data ** to clear all data
4	Press Transfer to write selected data and display the next Closed Number Block.
5	Repeat Steps 3 and 4 for each Closed Number Block. After data for the last Closed Number Block is written, the next Memory Block is displayed.
6	Program the next Memory Block or press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name	
1-1-30	Route Advance Block Assignment	
1-1-50	CO/PBX Outgoing Digit Add Assignment	
3-03	Trunk-to-Trunk Group Assignment	



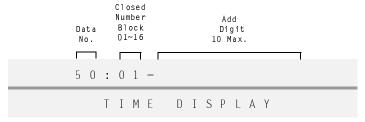
Function Number 101~132 (Trunk Group 1~32, respectively) or 201~216 (Route Advance Block 1~16, respectively) is assigned to Closed Number blocks.

CO/PBX Outgoing Digit Add Assignment

General Description

Use this Memory Block to specify up to 10 additional digits when a trunk in the Trunk group or Route Advance block assigned in Memory Block 1-1-49 (Networking Trunk Group/Route Advance Assignment) is seized, and a number is dialed.

Display



System Mode

1

Submode

1

Data No.

50

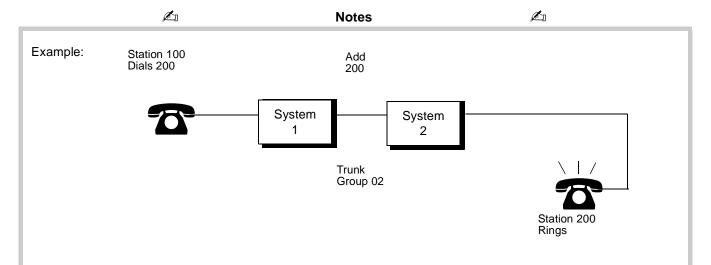
PC Programming

Alt +BCS

Programming Procedures

1	Go off-line.		
2	Press LK1 + LK1 + ③ ② to access the Memory Block.		
3	Use dial pad to enter digits to be added for Closed Number Block 01. Default Values		
	Use the following to enter data: Not Specified		
	* to move the cursor left		
	# to move the cursor right		
	(a) ~ (b) to enter numeric data		
	Hold to clear all data		
	Redial + * to enter *		
	Redial + # to enter #		
4	Press Transfer to write selected data and display the next Closed Number Block.		
5	Repeat Steps 3 and 4 for each Closed Number Block. After data for the last Closed Number Block is written, the next Memory Block is displayed.		
6	Program the next Memory Block or press Speaker to go back on-line.		

M.B. Number	Memory Block Name	
1-1-46	Access Code (1-Digit) Assignment	
1-1-49	Networking Trunk Group/Route Advance Assignment	



To assign System 1 in System Programming:

- 1. Memory Block 1-1-46 [Access Code (1-Digit) assignment]. Assignment 2 \rightarrow 401 (Closed Number Block 01).
- 2. Memory Block 1-1-49 (Networking Trunk Group/Route Advance Assignment). Assignment Block $01 \rightarrow 102$ (Trunk group 02).
- 3. Memory Block 1-1-50 (CO/PBX Outgoing Digit Add Assignment). Assignment Block $01 \rightarrow$ Assign 2.
- 4. Digits are added when the Access Code is dialed from the internal dial tone.
- 5. This Memory Block also applies to ISDN trunks.

CO Line Ringing Pattern Selection

General Description

Use this Memory Block to assign the initial ringing pattern or no ring for incoming calls on a CO line.

Display



System Mode 1 Submode 1 Data No. 51 PC Programming Alt +BCS

Settings

LK 1	LK 2	LK 3	LK 4
Α	В	С	D
LK 5	LK 6	LK 7	LK 8
Е	F	G	Н

LK 9 LK 10 LK 11 LK 12

NO

LK 13 LK 14 LK 15 LK 16

The shaded selection is the default.

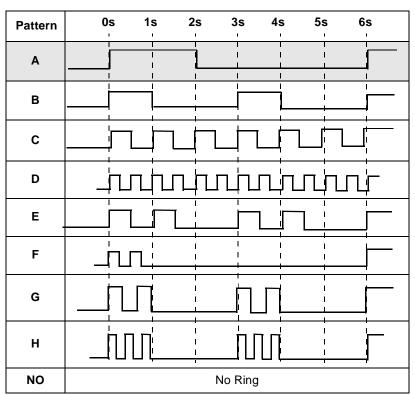
Programming Procedures

1	Go off-line.	
2	Press LK1 + LK1 + ② ① to access the Memory Block.	
3	Press corresponding CO/PBX line key to change data.	
	Use the following to enter data:	
	Recall to access the next page	
	Feature to access the previous page	
4	Press Transfer to write data and display the next Memory Block.	
5	Program the next Memory Block or press Speaker to go back on-line.	

M.B. Number	Memory Block Name
1-1-59	Synchronous Ringing Selection

The Ring Patterns are shown in the table below:



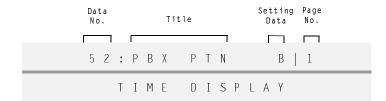


PBX Line Ringing Pattern Selection

General Description

Use this Memory Block to assign the initial ringing pattern or no ring for incoming calls on a PBX line.

Display



Submode

1
Data No.
52
PC Programming
Alt +BCS

System Mode

Page 1

	LK 1	LK 2	LK 3	LK 4
	Α	В	С	D
ı	LK 5	LK 6	LK 7	LK 8
	Е	F	G	Η

Page 2

- 3 -			
LK 9	LK 10	LK 11	LK 12
NO			
LK 13	LK 14	LK 15	LK 16

The shaded selection is the default.

Programming Procedures

1	Go off-line.		
2	Press LK1 + LK1 + 🐧 💰 to access the Memory Block.		
3	Press corresponding CO/PBX line key to change data.		
	Use the following to enter data:		
	Recall to access the next page		
	Feature to access the previous page		
4	Press Transfer to write data and display the next Memory Block.		
5	Program the next Memory Block or press Speaker to go back on-line.		

Related Programming

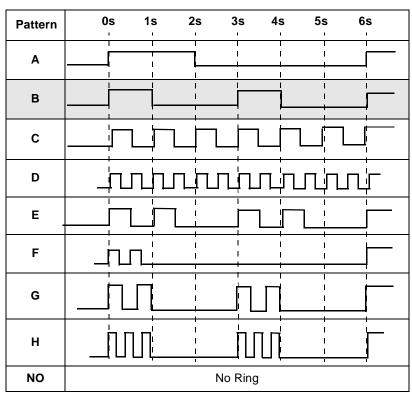
No related programming is necessary for this Memory Block.

∠□ Notes **∠**□

Do not program this Memory Block if Memory Block 1-1-59 (Synchronous Ringing Selection) is assigned YS.

The Ring Patterns are listed in the table below:



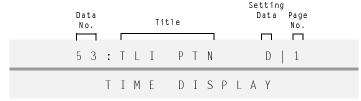


Tie Line Delay Ring Pattern Selection

General Description

Use this Memory Block to select a ringing pattern or no ring for incoming calls on a Tie line after the timeout set in Memory Block 1-1-07 (Tie Line Delay Ringing Time Selection).

Display



System Mode

1

Submode

1

Data No.

53

PC Programming

Alt +ALN

Settings

Page 1

LK 1	LK 2	LK 3	LK 4
А	В	С	D
LK 5	LK 6	LK 7	LK 8
Е	F	G	Н

Page 2

LK 9	LK 10	LK 11	LK 12
NO			
LK 13	LK 14	LK 15	LK 16

The shaded selection is the

Programming Procedures

1 Go off-line.

2 Press LK1 + LK1 + ② ③ to access the Memory Block.

3 Press the corresponding CO/PBX line key to change the data option.

Use the following to enter data:

Recall to access the next page

Feature to access the previous page

4 Press Transfer to write data and display the next Memory Block.

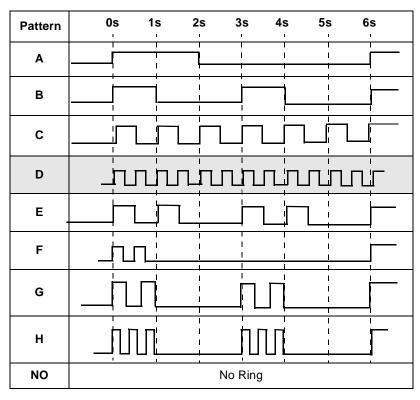
5 Program the next Memory Block or press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name	
1-1-07	ie Line Delay Ringing Time Selection	
1-1-34	ie Line First Ring Pattern Selection	
4-01	CO/PBX Ring Assignment (Day Mode)	
4-02	CO/PBX Ring Assignment (Night Mode)	

The Ring Patterns are shown in the table below:





Automated Attendant Transfer Ring Pattern

General Description

Use this Memory Block to specify the ringing pattern or no ring sent to the Multiline Terminal when an incoming call is received at the Automated Attendant and transferred.

Display



System Mode

1
Submode
1
Data No.
54
PC Programming

At +AU

Settings

Page 1

LK 1	LK 2	LK 3	LK 4
А	В	С	D
LK 5	LK 6	LK 7	LK 8
Е	F	G	Н

Page 2

LK 9	LK 10	LK 11	LK 12
NO			
LK 13	LK 14	LK 15	LK 16

The shaded selection is the

Programming Procedures

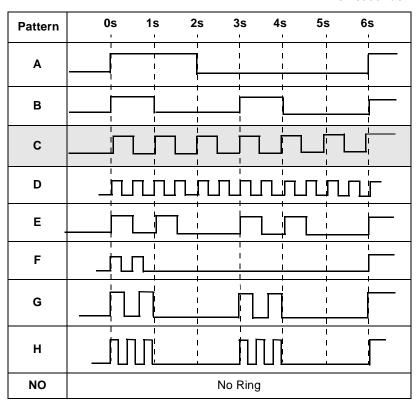
1	Go off-line.
2	Press LK1 + LK1 + ② ② to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
	Use the following to enter data:
	Recall to access the next page
	Feature to access the previous page
4	Press Transfer to write the data and display the next Memory Block.
5	Program the next Memory Block or press Speaker to go back on-line.

Related Programming

Refer to Chapter 2 Guide to Feature Programming.

The Ring Patterns are shown in the table below:





DID Line Ringing Pattern Selection

General Description

Use this Memory Block to assign the ringing pattern or no ring to be used for DID calls.

Display



System Mode

1
Submode
1
Data No.
55
PC Programming

Alt +ALN

Settings

Page 1

LK 1	LK 2	LK 3	LK 4
Α	В	С	D
LK 5	LK 6	LK 7	LK 8
E	F	G	Н

Page 2

0			
LK 9	LK 10	LK 11	LK 12
NO			
LK 13	LK 14	LK 15	LK 16

The shaded selection is the default.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + 📳 📳 to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
	Use the following to change page:
	Recall to move to next page
	Feature to move to previous page
4	Press Transfer to write the data and display the next Memory Block.
5	Program the next Memory Block or press Speaker to go back on-line.

M.B. Number	Memory Block Name	
1-1-20	DID Digit Length Selection	
1-1-21	DID Digit Conversion Assignment	
1-1-22	DID Digit Conversion Table	

CO/PBX Prepause Time Selection

General Description

Use this Memory Block to assign a pause time before dialed digits can be sent over a CO/PBX line after the trunk is seized by a system user.

Display



System Mode

1
Submode
1
Data No.
57
PC Programming

Alt +BCM

Settings

Page 1

LK 1	LK 2	LK 3	LK 4
NON	1s	2s	3s
LK 5	LK 6	LK 7	LK 8
4s	5s	6s	7s

Page 2

ū			
LK 1	LK 2	LK 3	LK 4
8s	9s	10s	11s
LK 5	LK 6	LK 7	LK 8
12s	13s		

The shaded selection is the default.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + (5) (7) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
	Use the following to change page:
	Recall to move to next page
	Feature to move to previous page
4	Press Transfer to write the data and display the next Memory Block.
5	Program the next Memory Block or press Speaker to go back on-line.

Related Programming

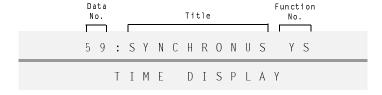
No related programming is necessary for this Memory Block.

Synchronous Ringing Selection

General Description

Use this Memory Block to specify whether or not CO/PBX calls follow Synchronous Ringing.

Display



System Mode

1
Submode
1
Data No.
59
PC Programming
Alt +BCS

Settings

LK 1	LK 2	LK 3	LK 4
YS	NO		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + (5) (9) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press Transfer to write the data and display the next Memory Block.
5	Program the next Memory Block or press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name	
1-1-51	CO Line Ringing Pattern Selection	
1-1-52	PBX Line Ringing Pattern Selection	

∠
 Notes
 ✓

- 1. Synchronous Ringing does not apply to incoming DID calls, off-hook ringing calls, or CO/PBX ring transfer calls.
- 2. Do not program this Memory Block if YS is assigned.

8-Digit Matching Table Assignment

General Description

Use this Memory Block to assign the outgoing dial digit for Code Restriction (except OCC Dial Digit - Normal Dial). Program this assignment in one of two ways:

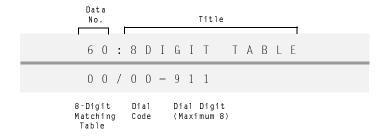
- a) When the user dials digit(s) and there is a match, the system allows free dialing or denies dialing by disconnecting. Refer to Memory Block 1-1-61 (8-Digit Matching Table to Class Assignment) for programming.
- b) When a user dials digit(s) and there is no match, the system allows free dialing or denies dialing by disconnecting. Refer to Memory Block 1-1-65 (Code Restriction Class Allow/ Deny Selection) for programming.

System Mode

1
Submode
1
Data No.
60
PC Programming

At +AC

Display



Programming Procedures

1	Go off-line.	
2	Press LK1 + LK1 +	
3	Use the dial pad to enter the data for Dial Code 00 for 8-Digit Matching Table 00.	Default Values

Use the following to enter data:

* to move the cursor left

to move the cursor right

(P) ~ (P) to enter numeric data

(Hold) to clear data

The information that can be entered includes:

Matching Table: 00~15 (8-digit)

Dial Code: 00~15

Dial Digit: $0\sim9$, ***, #**, NANP = X, P, N (Maximum eight digits)

Matching Table	Dial Code	Setting Data
00	00	911
11	00	0
12	00	976
13	00/ 01/02	1800/1888/1877
14	00	1X
15	00	Х

Programming Procedures

4 Operation data includes:

Operation Data	Dial Number	Operation		
Х	(PER) ~ (9) , (#)	Redial + (7)		
Р	${\cal Q}$ and ${\cal T}$	Redial + (8)		
N	(2) ~ (9)	Redial + (9)		
*	*	Redial + *		
#	#	Redial + #		

- Press Transfer to write the data and advance to the next Dial Code. After all Dial Codes for 8-Digit Matching Table 00 are entered, press Transfer again to display 8 Digit Matching Table 01.
- Repeat Steps 3 and 5 to cycle through all Dial Codes for all 8-Digit Matching Tables. After the last Dial Code for the last 8-Digit Matching Table is entered, the next Memory Block is displayed.
- 7 Program the next Memory Block or press Speaker to go back on-line.

Related Programming

Refer to Section 6 - Code Restriction in this chapter.



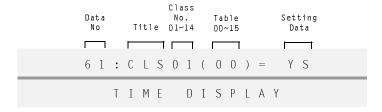
- 1. There are 16, 8-Digit Matching Tables. Each 8-digit table contains 16 Dial Codes. Each dial code can have eight characters including digits and/or *, *, X, P, or N characters.
- 2. NANP = North American Numbering Plan.

8-Digit Matching Table to Class Assignment

General Description

Use this Memory Block to program each 8-digit Matching Table to allow or deny assignment per class. Classes 00 and 15 are fixed. Only classes 01~14 can be programmed.

Display



System Mode 1 Submode 1 Data No. 61 PC Programming Alt +AC

Settings

LK 1	LK 2	LK 3	LK 4
NON	YS (Allow)	NO (Deny)	
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.						
2	Press LK1 + LK1 + ② ① to access the Memory Block.						
3	Press the corresponding CO/PBX line key to change the data option for Class 01 Table 00.						
	Class 00 and 15 cannot be programmed Class 00 has no restrictions (Allow) Class 15 has restricted outgoing (Deny)						
	Refer to the table on the next page.						
4	Press Transfer to write the data and advance to the nextTable and then to the next Class. Repeat Steps 3 and 4 for each Class and Table.						
5	After data for the last Table for the last Class is entered, the next Memory Block is displayed.						
6	Program the next Memory Block or press Speaker to go back on-line.						

Related Programming.

Refer to Section 6 - Code Restriction in this chapter.

Table	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
Class																
01	YS											NO			NO	NO
02	YS											NO		YS	NO	NO
03	YS											NO	NO	YS	NO	NO
04	YS													YS	NO	NO
05	YS															
06	YS															
07	YS															
08	YS															
09	YS															
10	YS															
11	YS															
12	YS															
13	YS															
14	YS															

YS = Allow

NO = Deny

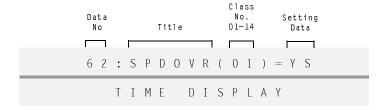
NON = Blank

System Speed Dial Override by Class Selection

General Description

Use this Memory Block to specify per Class whether or not Class Selection can override System Speed Dial.

Display



System Mode 1 Submode 1 Data No. 62 PC Programming Alt +AC

Settings

LK 1	LK 2	LK 3	LK 4
NO	YS (Override)		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + . to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option for Class 01.
4	Press Transfer to write the data and advance to the next class. Repeat Steps 3 and 4 for each class.
5	After data for the last class is entered, the next Memory Block is displayed.
6	Program the next Memory Block or press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name			
1-1-18	System Speed Dial Restriction by Tenant			

L□ Notes

At system default, all stations are set to Class 00 to allow override for System Speed Dial.

Hold Recall Time Selection (Exclusive)

General Description

Use this Memory Block to specify the time for Exclusive Hold Recall. If No Limit is selected, Exclusive Hold Recall is not provided.

Display



System Mode 1 Submode 1 Data No. 63 PC Programming Alt +BM

Settings

LK 1	LK 2	LK 3	LK 4
0.5	1.0	1.5	2.0
LK 5	LK 6	LK 7	LK 8
3.0	5.0	8.0	∞ (No Limit)
			(- -)

The shaded selection is the default. Times are in minutes.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + 6 3 to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press Transfer to write the data and display the next Memory Block.
5	Program the next Memory Block or press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name					
1-1-03	Hold Recall Time Selection (Non-Exclusive Hold)					
1-2-23 System Call Park Recall Time Selection						

Notes 🖾

When an Exclusive Hold call recalls, the held call switches to a Non-Exclusive Hold call.

Attendant Add-On Console Transfer/Camp-On Recall Time Selection

General Description

Use this Memory Block to specify the time before a Ring Transfer or Station Camp-On from a station with an Attendant Add-On Console recalls back to the originating station when the call is not answered.

Display



System Mode 1 Submode 1 Data No. 64 PC Programming Alt +BM

Settings

LK 1	LK 2	LK 3	LK 4
0.5	1.0	1.5	2.0
LK 5	LK 6	LK 7	LK 8
3.0	5.0	8.0	10.0

The shaded selection is the default. Times are in minutes.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 +
3	Press the corresponding CO/PBX line key to change the data option.
4	Press Transfer to write the data and display the next Memory Block.
5	Program the next Memory Block or press Speaker to go back on-line.

M.B. Number	Memory Block Name	
1-1-11	System Transfer/Camp-On Selection	
1-1-12	System Transfer/Camp-On Recall Time Selection	
1-6-01	Attendant Add-On Console to Telephone Port Assignment	
1-8-08	Class of Service (Station) Feature Selection 2	

№ Notes

 When a station without an assigned Attendant Add-On Console transfers or camps-on a call to a station that goes unanswered, the call recalls using Memory Block 1-1-12 (Station Transfer/Camp-On Recall Time Selection).

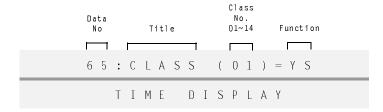
2. Time is valid only for stations assigned an Attendant Add-On Console in Memory Block 1-6-01 (Attendant Add-On Console to Telephone Port Assignment). The transfer key on the station and the console are both affected.

Code Restriction Class Allow/Deny Selection

General Description

Use this Memory Block to assign Code Restriction Classes $01\sim14$ as Allow or Deny. This assignment is used when there is no match or there is an overlap (duplicate numbers in tables with opposite assignments) of numbers in the 8-Digit Matching Tables.

Display



System Mode 1 Submode 1 Data No. 65 PC Programming Alt +AC

Settings

LK 1	LK 2	LK 3	LK 4
YS (Allow)	NO (Deny)		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.		
2	Press LK1 + LK1 + (5) (5) to access the Memory Block.		
3	Press the corresponding CO/PBX line key to change data option.	Default Values	
		Class 01~04	Allow (YS)
		Class 05~14	Deny (NO)
4	Press Transfer to write the data and advance to the next Class. Repeat steps 3 and 4 until last Class is assigned.		
5	The next Memory Block is displayed.		
6	Program the next Memory Block or press Speaker to go back on-line.		

Related Programming

Refer to Section 6 Code Restriction in this chapter.

∠ Notes **∠**

- 1. When a match is not found or duplicate match is made with opposite assignments, the system uses this memory Block.
- 2. When the interdigit dialing time duration exceeds 10 seconds while a restricted station user is dialing on an outside line, the system automatically drops the call.

8-Digit Matching Table to Normal Dial Assignment

General Description

Use this Memory Block to assign the 8-Digit Matching Table by class for normal dialing as used or unused. When unused is assigned, the system does not check during normal dialing even when Memory Block 1-1-61 (8-Digit Matching Table to Class Assignment) is programmed.

Display



System Mode

1
Submode
1
Data No.
66
PC Programming
Att + AC

Settings

Page 1

LK 1	LK 2	LK 3	LK 4
Table 00	Table 01	Table 02	Table 03
LK 5	LK 6	LK 7	LK 8
Table 04	Table 05	Table 06	Table 07

Page 2

LK 1	LK 2	LK 3	LK 4
Table 08	Table 09	Table 10	Table 11
LK 5	LK 6	LK 7	LK 8
Table 12	Table 13	Table 14	Table 15

Programming Procedures

Go off-line. Press LK1 + LK1 + 6 to access the Memory Block. Press the corresponding CO/PBX line key to change data option for each Table. **Default Values** B Use the following to enter data: Tables 00~14 Used (Non-OCC and OCC) Table 15 Unused (OCC calls only) Recall to access the next page Feature to access the previous page. Each time a CO/PBX line key is pressed, the LED toggles between On and Off. CO/PBX Off On Line LED The shaded selection is the Data Restricted Not restricted default. Press Transfer to write the data and and display the next Memory Block. Program the next Memory Block or press (Speaker) to go back on-line.

Related Programming

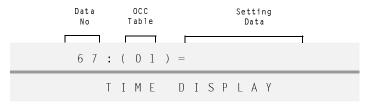
Refer to Section 6 Code Restriction in this chapter.

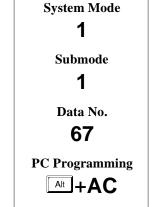
OCC Table Assignment

General Description

Use this Memory Block to assign an Other Common Carrier (OCC) code (8-digit maximum) in a table. A maximum of 16 codes can be assigned.

Display





Blank

1010XXX

Default Values

OCC Table 01 ~ 15

OCC Table 16

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK1 + (6) (7) to access the Memory Block.
- 3 Use the dial pad to enter the data.

r⇔ Llog the following to enter de

Use the following to enter data:

- * to move the cursor left
 - #) to move the cursor right
 - (P) ~ (9) to enter numeric data
 - (Hold) to clear data

The information that can be entered includes:

OCC Table: 01~16 (8-digit)

Setting Data: 0~9, *****, **#**, NANP = X, P, N (Maximum eight digits)

Operation data includes:

Operation Data	Dial Number	Operation
Х	(PER) ~ (9) , (*) , (#)	Redial + (7)
Р	@ and ^①	Redial + (8)
N	(2) ~ (9) WX YZ	Redial + (9)
*	*	Redial + *
#	#	Redial + #

- 4 Press Transfer to write the data and advance to the next OCC table.
- 5 Repeat Steps 3 and 4 for each OCCTable. The next Memory Block is displayed.
- 6 Program the next Memory Block or press Speaker to go back on-line.

Related Programming

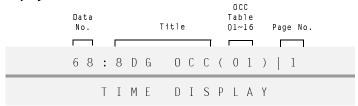
Refer to Section 6 Code Restriction in this chapter.

8-Digit Matching Table to OCC Table Assignment

General Description

Use this Memory Block to assign each 8-Digit Matching Table to each Other Common Carrier (OCC) Code Table.

Display



System Mode

1
Submode
1
Data No.
68
PC Programming
Alt +AC

Settings

Page 1

LK 1	LK 2	LK 3	LK 4
Table 00	Table 01	Table 02	Table 03
LK 5	LK 6	LK 7	LK 8
Table 04	Table 05	Table 06	Table 07

Page 2

LK 1	LK 2	LK 3	LK 4
Table 08	Table 09	Table 10	Table11
LK 5	LK 6	LK 7	LK 8
Table 12	Table13	Table14	Table15

Default not assigned.

Programming Procedures

1	Go off-line.					
2	Press LK1 + LK1 + (2) (3) to access the Memory Block.					
3	I	Use the following to Recall to access the resture to access the re	he next page	J .	s between On	Default Values OCC Tables 01~15: All Matching Tables Not Used OCC Table 16: Matching Tables 00~14 Not Used Matching Table 15 Used
	,	CO/PBX Line LED	Off Unused	On	The shaded area is the default setting.	
	D		4	th 000 t-bl-	D	
4	Press Transfer to write the data and advance to the next OCC table. Repeat steps 3 and 4 until last OCC data is entered.					and 4 until last OCC data is entered.
5	The nex	t Memory Block is o	displayed.			
6	Program the next Memory Block or press Speaker to go back on-line.					

Related Programming

Refer to Section 6 Code Restriction in this chapter.

Tie Line Code Restriction Assignment

General Description

Use this Memory Block to restrict outgoing Tie line dialed digits.

Display



System Mode 1 Submode 1 Data No. 69 PC Programming Alt +AC

Settings

LK 1	LK 2	LK 3	LK 4
NO	YS		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK1 +	
3	Press the corresponding CO/PBX line key to change data option.	Default Values
		Restriction
4	Press Transfer to write the data and display the next Memory Block.	Restriction

Related Programming

Refer to Section 6 Code Restriction in this chapter.



When Tie lines are assigned code restriction, the Access Code used to dial out of the distant system must be entered in front of the dialed number in the 8-Digit Matching Tables.

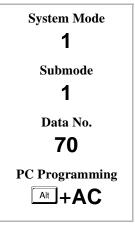
Code Restriction Class Assignment when Lockout is Set

General Description

Use this Memory Block to assign the Code Restriction Class when a station user sets the Station Outgoing Lockout or when the Attendant sets Attendant Station Outgoing Lockout.

Display





Programming Procedures

1	Go off-line.	
2	Press LK1 + LK1 + <a> <a> a to access the Memory Block.	
3	Used dial pad to enter class restriction. Default Values	
	Use the following to enter data: Class 15	
	* to move the cursor left	
	# to move the cursor right	
4	Press fransfer to write selected data and display the next Memory Block.	
5	Program the next Memory Block or press Speaker to go back on-line.	

Related Programming

Refer to Section 6 Code Restriction in this chapter.

∠

Notes

∠

When a station is locked out, the Code Restriction Class Assignment of this Memory Block is used instead of the Code Restriction Class assigned in Memory Block 4-07 [Code Restriction Class Assignment (Day Mode)] or 4-08 [Code Restriction Class Assignment (Night Mode)].

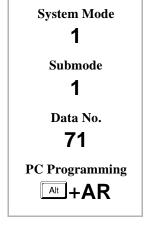
First Delay Announcement Start Time Selection

General Description

Use this Memory Block to specify the time between receiving a CO call and sending a First Delay Announcement to the calling party.

Display





Settings

LK 1	LK 2	LK 3	LK 4
00	10	20	30
LK 5	LK 6	LK 7	LK 8
40	50	60	

The shaded selection is the default. Times are in seconds.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + 💯 🕛 to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press Transfer to write the data and display the next Memory Block.
5	Program the next Memory Block or press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name	
1-1-72	First Delay Announcement Repeat Selection	
1-8-13	-13 VRS Message Function Assignment	
3-41	Delay Announcement Assignment	

№ Notes

First Delay Announcement Repeat Selection

General Description

Use this Memory Block to specify the number of times a First Delay Announcement is repeated.

Display



System Mode 1 Submode 1 Data No. 72 PC Programming Alt +AR

Settings

LK 1	LK 2	LK 3	LK 4
1	2	3	4
LK 5	LK 6	LK 7	LK 8
5	6	7	8

The shaded selection is the default.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + 💪 🐍 to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press Transfer to write the data and display the next Memory Block.
5	Program the next Memory Block or press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-1-71	First Delay Announcement Start Time Selection
1-8-12	VRS Message Recording Time Selection
1-8-13	VRS Message Function Assignment
3-41	Delay Announcement Assignment

∠□ Notes **∠**□

First to Second Delay Announcement Interval Time Selection

General Description

Use this Memory Block to specify the time between the end of the First Delay Announcement sending time and the start time of the Second Delay Announcement.

Display



System Mode 1 Submode 1 Data No. 73 PC Programming Att + AR

Settings

LK 1	LK 2	LK 3	LK 4
00	10	20	30
LK 5	LK 6	LK 7	LK 8
40	50	60	∞ (No Limit)

The shaded selection is the default. Times are in seconds.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + 🐧 🐧 to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press Transfer to write the data and display the next Memory Block.
5	Program the next Memory Block or press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-1-74	Second Delay Announcement Repeat Selection
1-1-75	Second Delay Announcement Repeat Interval Time Selection
1-8-13	VRS Message Function Assignment
3-41	Delay Announcement Assignment

∠□ Notes **∠**□

Second Delay Announcement Repeat Selection

General Description

Use this Memory Block to specify the number of times a Second Delay Announcement is repeated.

Display



System Mode 1 Submode 1 Data No. 74 PC Programming Alt +AR

Settings

LK 1	LK 2	LK 3	LK 4
1	2	3	4
LK 5	LK 6	LK 7	LK 8
5	6	7	8

The shaded selection is the default.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + 🐍 🗘 to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press Transfer to write the data and display the next Memory Block.
5	Program the next Memory Block or press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-1-73	First to Second Delay Announcement Interval Time Selection
1-1-75	Second Delay Announcement Repeat Interval Time Selection
1-8-12	VRS Message Recording Time Selection
1-8-13	VRS Message Function Assignment
3-41	Delay Announcement Assignment

№ Notes

Second Delay Announcement Repeat Interval Time Selection

General Description

Use this Memory Block to specify the interval time to repeat Second Delay Announcement to the calling party.

Display



System Mode 1 Submode 1 Data No. 75 PC Programming Att +AR

Settings

LK 1	LK 2	LK 3	LK 4
00	10	20	30
LK 5	LK 6	LK 7	LK 8
40	50	60	∞ (No Limit)

The shaded selection is the default. Times are in seconds.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + 💪 🐧 to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press Transfer to write the data and display the next Memory Block.
5	Program the next Memory Block or press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name	
1-1-73	First to Second Delay Announcement Interval Time Selection	
1-1-74	Second Delay Announcement Repeat Selection	
3-41	Delay Announcement Assignment	

Notes Notes

This Memory Block does not display unless the MIFA-U10 ETU is installed.

Programming Manual 1 - 121

Barge-In Alert Tone Assignment

General Description

Use this Memory Block to specify whether or not Barge-In Alert Tone is allowed.

Display



System Mode 1 Submode 1 Data No. 76 PC Programming Alt +BTS

Settings

LK 1	LK 2	LK 3	LK 4
YS	NO		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + 🐍 👶 to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press Transfer to write the data and display the next Memory Block.
5	Program the next Memory Block or press Speaker to go back on-line.

M.B. Number	Memory Block Name	
1-8-08	Class of Service (Station) Feature Selection 2	
4-17	Station to Class of Service Feature Assignment	
4-90	SLT Data Line Security Assignment	



- Monitoring telephone conversations may be illegal under certain circumstances and laws. Consult a legal advisor
 before implementing the monitor of conversations. Some federal and state laws require a monitoring party to use
 an alert tone to indicate monitoring and/or obtain consent from all parties to the conversation. Some laws provide
 strict penalties for illegal monitoring of telephone conversations.
- 2. When YS is assigned, both internal and external parties receive the alert tone.

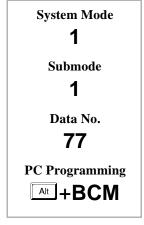
Delayed Ringing Time Assignment (CO)

General Description

Use this Memory Block to assign the delayed ringing time for incoming outside line calls.

Display





Programming Procedures

1	Go off-line.	
2	Press LK1 + LK1 + 🦪 🦪 to access the Memory Block.	
3	Use dial pad to enter data.	Default Values
	■ Setting data: ② ② ~ ② ②	15 Seconds
4	Press Transfer to write the data and display the next Memory Block.	
5	Program the next Memory Block or press Speaker to go back on-line.	

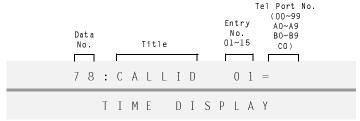
M.B. Number	Memory Block Name	
1-2-26	Delayed Ringing Time Assignment (ICM)	

Caller ID Display Assignment for System Mode

General Description

Use this Memory Block to assign up to 15 Multiline Terminals to display ANI/Caller ID Indication for normal incoming CO/PBX calls or CO/PBX calls ringing a Call Arrival (CAR) key.

Display



System Mode

1
Submode
1
Data No.
78
PC Programming
Alt + Al

Programming Procedures

1	Go off-line.		
2	Press LK1 + LK1 + (7) (8) to access the Memory Block.		
3	Use the dial pad to enter Entry No. 01 and Tel Port No. Default Values		
	Use the following to enter data: Not specified		
	* to move the cursor left		
	# to move the cursor right		
	(a) ~ (b) to enter numeric data		
4	Press Fransfer to write the data and advance to the next Entry No. After each tel port No. is selected, press Fransfer again. A total of		
	15 entries can be made. After the last data is entered, the next Memory Block is displayed.		
5	Program the next Memory Block or press Speaker to go back on-line.		

Related Programming

No related programming is necessary for this Memory Block.

∠
 Notes

- 1. To display ANI/Caller ID Indication for normal incoming and CAR incoming calls, Caller ID Indication and Ring Assignment must be programmed.
- 2. Fifteen Multiline Terminals can be assigned system-wide to display ANI/Caller ID.
- 3. A sixteenth terminal can be assigned to display ANI/Caller ID using another Memory Block.

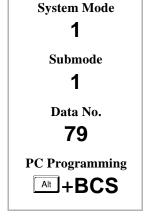
BGM Port Assignment

General Description

Use this Memory Block to assign the CO/PBX port as a Background Music port.

Display





Programming Procedures

1	Go off-line.		
2	Press LK1 + LK1 + (7) (9) to access the Memory Block.		
3	Use the dial pad to enter the CO No. Default Values		
	Use the following to enter data:	Not specified	
	* to move the cursor left		
	# to move the cursor right		
	(P) ~ (P) to enter numeric data		
4	Press Transfer to write the data and display the next Memory Block.		
5	Program the next Memory Block or press Speaker to go back on-line.		

Related Programming

M.B. Number	Memory Block Name
1-8-08	Class of Service (Station) Feature Selection 2
2-06	Line Key Selection For Tenant Mode
4-12	Line Key Selection For Telephone Mode



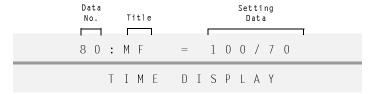
When separate Music on Hold and Station Background Music are required, use an analog CO port to support Station Background Music.

ISDN DTMF Duration/Interdigit Selection

General Description

Use this Memory Block to specify tone duration/interdigit time of Dual-Tone Multifrequency (DTMF) signals for the ISDN trunk.

Display



System Mode 1 Submode 1 Data No. 80 PC Programming Alt +AN

Settings

LK 1	LK 2	LK 3	LK 4
70/60	100/70	400/100	600/100
LK 5	LK 6	LK 7	LK 8
900/200			

The shaded selection is the default. Times are in milliseconds.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + 🐉 🦺 to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press Transfer to write the data and display the next Memory Block.
5	Program the next Memory Block or press Speaker to go back on-line.

M.B. Number Memory Block Name		
3-92	Trunk (Installed, DP/DTMF) Selection	

ISDN Dial Interval Time Selection

General Description

Use this Memory Block to specify the time between each digit dialed before digits are sent over the Network.

System Software \$3000 Version 3.10 or higher is required.

Display



System Mode 1 Submode 1 Data No. 81 PC Programming Alt + AN

Settings

LK 1	LK 2	LK 3	LK 4
2s	4s	8s	16s
LK 5	LK 6	LK 7	LK 8
32s			

The shaded selection is the default.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + 🔔 🕛 to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press Transfer to write the data and display the next Memory Block.
5	Program the next Memory Block or press Speaker to go back on-line.

M.B. Number	Memory Block Name	
3-92	Trunk (Installed, DP/DTMF) Selection	

CO Feature Code Service for Code Restriction

General Description

Use this Memory Block to define a code to send to the CO in front of the dialed number to allow completion of a CO call made to a Code restricted number set to allow or deny the call for a code restricted number set to deny.

Display



System Mode

1
Submode
1
Data No.
82
PC Programming
Alt +AC

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK1 + 3 2 to access the Memory Block.	
	Use the dial pad to enter the Feature Code for Restriction to CodeTable 01. ** ** ** ** ** ** ** ** **	
4	Press Transfer to write the data.	
5	Repeat Steps 3 and 4 for all code Tables. The next Memory Block is displayed.	
6	Program the next Memory Block or press Speaker to go back on-line.	

Related Programming

No related programming is necessary for this Memory Block.

∠n Notes **∠**n

Example: Set Code Table 01 to *67

When Tel 100 user dials Access Code **9**, Feature Code ***67** Telephone Number **12147517000** to access a line that is code restricted, the code restriction starts at 12147517000. When code restriction is set to allow, the 1214 matches and the call goes through. When Code restriction is deny, the 1214 matches and user receives a reorder tone and ERROR is displayed on telephones that have a display.

Internal Paging Timeout Selection

General Description

Use this Memory Block to specify the time allowed for paging.

Display



System Mode 1 Submode 2 Data No. 00 PC Programming Alt +BP

Settings

LK 1	LK 2	LK 3	LK 4
90s	120s	∞ (No Limit)	
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

	1	Go off-line.	
:	2	Press LK1 + LK2 to access the Memory Block.	
;	3	Press the corresponding CO/PBX line key to change the data option.	
-	4	Press Transfer to write the data and display the next Memory Block.	
;	5	Program the next Memory Block or press Speaker to go back on-line.	

M.B. Number	Memory Block Name	
1-7-06	External Paging Timeout Selection	
4-93	Internal Zone Paging Selection	

	L	Notes	£ 1
Types of	paging include:		
©	All Internal Zone (51)		
€	Internal Zone Paging (52~54)		
•	External Zone Paging (all speakers) (5	5)	
•	External Zone Paging (individual speak	kers) (56~58)	
(C)	Internal/External Zone Paging (59)		

Intercom Call Voice/Tone Signal Selection

General Description

Use this Memory Block to specify whether signal tone or voice is used first for an intercom call.

Display



System Mode 1 Submode 2 Data No. 01 PC Programming Alt +BI

Display

LK 1	LK 2	LK 3	LK 4
TONE	VOICE		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK2 + ② ① to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press Transfer to write the data and display the next Memory Block.
5	Program the next Memory Block or press Speaker to go back on-line.

M.B. Number	Memory Block Name	
1-6-03	DSS Call Voice/Tone Signal Selection	



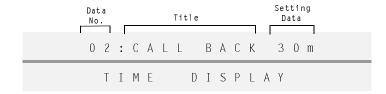
- 1. To switch from voice to tone signaling or from tone to voice, dial a station number, then dial 1.
- 2. When tone signaling is programmed in this Memory Block, the called party cannot answer handsfree unless the originator of the call dials 1.
- 3. This Memory Block has no effect on incoming Voice Announcement Tie/DID line calls. Refer to Memory Block 1-1-34 (Tie Line First Ring Pattern Selection).

Automatic Callback Release Time Selection

General Description

Use this Memory Block to specify the time allowed for an automatic callback before the request is automatically canceled.

Display



System Mode 1 Submode 2 Data No. 02 PC Programming Alt +BM

Settings

LK 1	LK 2	LK 3	LK 4
30s	1m	2m	3m
LK 5	LK 6	LK 7	LK 8
5m	10m	20m	30m

The shaded selection is the default.

Programming Procedures

•		
1	Go off-line.	
2	Press LK1 + LK2 + . to access the Memory Block.	
3	Press the corresponding CO/PBX line key to change data option.	
4	Press Transfer to write the data and display the next Memory Block.	
5	Program the next Memory Block or press Speaker to go back on-line.	

Related Programming

No related programming is necessary for this Memory Block.

2-, 3-, or 4-Digit Station Number Selection

General Description

Use this Memory Block to determine the number of digits for station numbers. Either 2-digit (00~99), 3-digit (000~999), or 4-digit (000~9999) assignment is available.

Display



System Mode 1 Submode 2 Data No. 03 PC Programming Alt +BS

Settings

LK 1	LK 2	LK 3	LK 4
2DGT	3DGT	4DGT	
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK2 + @ ③ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press fransfer to write the data and display the next Memory Block.
5	Program the next Memory Block or press Speaker to go back on-line.

M.B. Number	Memory Block Name	
1-1-46	Access Code (1-Digit) Assignment	
1-1-47	Access Code (2-Digit) Assignment	
4-10	Station Number Assignment	



- 1. The Station Numbering Plan can be 2, 3, or 4 digits; however, only one plan can be used at a time.
- After a change is made in this Memory Block, all station numbers must be reassigned in Memory Block 4-10 (Station Number Assignment).

Call Arrival Key Block Assignment

General Description

Use this Memory Block to specify the number of Call Arrival keys that can be used in the system.

Display



System Mode

1
Submode
2
Data No.
04
PC Programming
Alt +BK

Settings

Page 1Ports 01~32

LK 1	LK 2	LK 3	LK 4
Port 01~04	Port 05~08	Port 09~12	Port 13~16
LK 5	LK 6	LK 7	LK 8
Port 17~20	Port 21~24	Port 25~28	Port 29~32

Page 2 Ports 33~64

•			
LK 1	LK 2	LK 3	LK 4
Port 33~36	Port 37~40	Port 41~44	Port 45~48
LK 5	LK 6	LK 7	LK 8
Port 49~52	Port 53~56	Port 57~60	Port 61~64

Page 3 Ports 65~96

LK 1	LK 2	LK 3	LK 4
Port 65~68	Port 69~72	Port 73~76	Port 77~80
LK 5	LK 6	LK 7	LK 8
Port 81~84	Port 85~88	Port 89~92	Port 93~96

Page 4 Ports 97~CO

LK 1	LK 2	LK 3	LK 4
Port 97~A0	Port A1~A4	Port A5~A8	Port A9~B2
LK 5	LK 6	LK 7	LK 8
Port B3~B6	Port B7~C0		

Default: No Call Arrival Key Blocks are assigned.

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK2 + @ ② to access the Memory Block.	
3	Press the corresponding CO/PBX line key to change the data option.	Default Values
	LK is green = block assigned for CAR LK is red = block not available for CAR (hardware is installed)	No Call Arrival Key Blocks are assigned. Hardware equipped ports are red.
4	Press Transfer to write the data and display the next Memory Block.	
5	Program the next Memory Block or press Speaker to go back on-line.	

Related Programming

Refer to Chapter 2 Guide to Feature Programming.



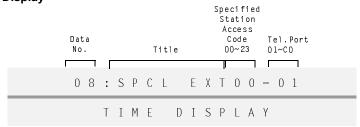
- 1. The Electra Elite 192 system allows a maximum of 120 ports to be shared by station ports (ESI, SLI, FMS/VMS, and OPX) and Call Arrival Keys. When 32 station ports are being used, 88 remain for use as Call Arrival Keys.
- 2. The Electra Elite 48 system allows a maximum of 32 ports to be shared by station ports (ESI, SLI, FMS/VMS, and OPX) and Call Arrival Keys. When 24 station ports are being used, eight remain for use as Call Arrival Keys.
- 3. Using System Software S4000, or higher, the Electra Elite 48 system can have 16 CAR keys with 32 Station ports or 40 CAR keys with 8 station ports.
- 4. The total number of station and CAR ports are shared with PS ports using System Software S5000 or higher.

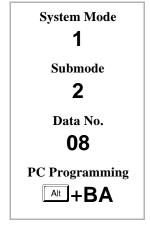
Specified Station Access Code Assignment

General Description

Use this Memory Block to assign specific stations for abbreviated dialing. Up to 24 stations can be assigned.

Display





Programming Procedures

1	Go off-line.		
2	Press LK1 + LK2 + (3) (8) to access the Memory Block.		
3	Use the dial pad.to enter Specified Station Access Code 00 Tel Port No. Use the following to enter data: * to move the cursor left * to move the cursor right Hold to clear data Setting data: Tel. Port No. 01~120 Specified Station Access Code is 00~23	Access Code No.	Value 01 Not Set
4	Press Transfer to write data and display the next Specified Station Access Code.		
5	Repeat Steps 3 and 4 for each Specified Station Access Code.		
6	The next Memory Block is displayed.		
7	Program the next Memory Block or press (Speaker) to go back on-line.		

M.B. Number	Memory Block Name	
1-1-46	Access Code (1-Digit) Assignment	
1-1-47	ccess Code (2-Digit) Assignment	
1-4-14	Automated Attendant Message Access Code (1-Digit) Assignment	
1-4-15	Automated Attendant Message Access Code (2-Digit) Assignment	

Notes Lo

1. Specified stations can be accessed from intercom (ICM) dial tone or as an outside caller calling into the Electra Elite 48/192 system Auto Attendant.

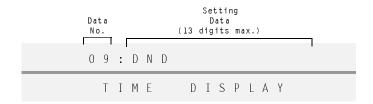
2. The Specified Access Code is assigned in Memory Blocks 1-1-46 or 1-1-47 [Access Code (1-Digit/2-Digit) Assignment].

Customized Message 1~10 Assignment

General Description

Use this Memory Block to program various messages for display at a station LCD. When a user places an intercom (ICM) call from a station equipped with an LCD display to a station in DND mode, the applicable programmed message displays at the calling station.

Display



System Mode

1
Submode
2

Data No.

09~18

PC Programming

Alt +BI

Programming Procedures

- 3 Enter the options using the dial pad.

Use the following enter data:

- * to move the cursor left
- (#) to move the cursor right
- (P) ~ (9) to enter numeric data
- (Hold) to clear data

D	efa	ult	Va	lu	es

Data No.	Message
09	DND
10	MEETING
11	BUSINESS TRIP
12	NOT IN
13	WITH GUEST
14	OUT OF OFFICE
15~18	Not Specified

- 4 Enter the characters to be displayed. Refer to Section 9 Character Assignment.
- After entering each message for Memory Block 1-2-9~18 (Custom Message 1~10 Assignment), press Transfer to write the data. The next Memory Block is displayed.
- 6 Program the next Memory Block or press Speaker to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

∠
 Notes
 ✓

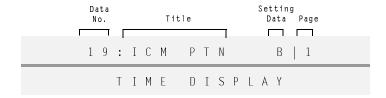
- 1. Ten messages are available, the first six are assigned at default.
- System Software S4000 or higher allows a message to be entered using the dial pad instead of the ASCII Character Code Tables. Follow the procedure in Section 9 Character Assignment on page 1-594.

Intercom Ring Pattern Selection

General Description

Use this Memory Block to select a ring pattern or turn the tone ON/OFF when intercom calls are made.

Display



System Mode

1
Submode
2
Data No.
19
PC Programming

Alt +BI

Settings

Page 1

LK 1	LK 2	LK 3	LK 4
OFF	ON	Α	В
LK 5	LK 6	LK 7	LK 8
С	D	E	F

Page 2

LK 1	LK 2	LK 3	LK 4
G	Н		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

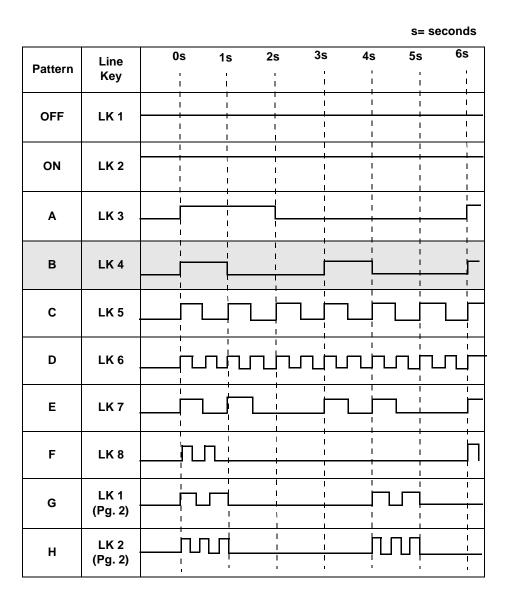
Programming Procedures

1	Go off-line.	
2	Press LK1 + L2 + 🕛 😩 to access the Memory Block.	
3	Press the corresponding CO/PBX line key to change the data option.	
	Use the following to enter data:	
	Recall to go to the next page	
	feature to go to the previous page	
4	Press Transfer to write the data and display the next Memory Block.	
5	Program the next Memory Block or press Speaker to go back on-line.	

Related Programming

No related programming is necessary for this Memory Block.

The Ring Patterns are listed in the table below:

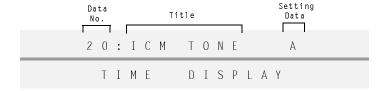


Intercom Ring Tone Selection

General Description

Use this Memory Block to select a ring tone for intercom calls.

Display



System Mode

1
Submode
2
Data No.
20
PC Programming
Alt +BI

Settings

LK 1	LK 2	LK 3	LK 4
Α	В	С	D
LK 5	LK 6	LK 7	LK 8
Е	F	G	Н

The shaded selection is the default.

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK2 + ②	
3	Press the corresponding CO/PBX line key to change the data option.	
4	Press Transfer to write the data and display the next Memory Block.	
5	Program the next Memory Block or press Speaker to go back on-line.	

Related Programming

No related programming is necessary for this Memory Block.

∠ D	Notes	L o
The available tones are:		
Tone A = (480/600):	Modulation (16 Hz)	
Tone B = (480/606):	Modulation (8 Hz)	
Tone C = (1024/1285)		
Tone D = (1024)		
Tone E = (500)		
Tone F = (1024/1285):	Modulation (16 Hz)	
Tone G = (600/700):	Modulation (16 Hz)	
Tone H = (1024)	Envelope 2 sec.	

PS Telephone Block Assignment

General Description

Use this Memory Block to specify the number of PS II stations that can be used in the system.

System Software S5000 or higher is required.

Display



Settings

Page 1 Ports 01~32

LK 1	LK 2	LK 3	LK 4
Port 01~04	Port 05~08	Port 09~12	Port 13~16
LK 5	LK 6	LK 7	LK 8
Port 17~20	Port 21~24	Port 25~28	Port 29~32

Page 2 Ports 33~64

LK 1	LK 2	LK 3	LK 4
Port 33~36	Port 37~40	Port 41~44	Port 45~48
LK 5	LK 6	LK 7	LK 8
Port 49~52	Port 53~56	Port 57~60	Port 61~64

Page 3 Ports 65~96

LK 1	LK 2	LK 3	LK 4
Port 65~68	Port 69~72	Port 73~76	Port 77~80
LK 5	LK 6	LK 7	LK 8
Port 81~84	Port 85~88	Port 89~92	Port 93~96

Page 4 Ports 97~C0

LK 1	LK 2	LK 3	LK 4
Port 97~A0	Port A1~A4	Port A5~A8	Port A9~B2
LK 5	LK 6	LK 7	LK 8
Port B3~B6	Port B7~C0		

System Mode

1

Submode

2

Data No.

21

PC Programming



Default: No PS Telephone Blocks are assigned.

Programming Procedures

1	Go off-line.		
2	Press LK1 + LK2 + <a> <a> <a> <a> <a> <a> <a> <a> <a> <a>		
3	Press the corresponding CO/PBX line key to change the data option.	Default Values	
	LK is green = block assigned for PS	No PS Terminal Blocks are assigned.	
	LK is red = block not available for PS	Hardware equipped ports are red.	
	Press Recall to cycle between pages.		
	Setting Data indicates the first port number on the applicable page.		
4	Press Transfer to write the data and display the next Memory Block.		
5	Program the next Memory Block or press Speaker to go back on-line.		

№ Notes

- 1. The Electra Elite 48 system can support a maximum of 24 PS II stations.
- 2. The Electra Elite 192 system can support a maximum of 40 PS II stations.
- 3. The Electra Elite 48 system can have 32 ports to be shared by station ports (ESI, SLI, FMS/VMS, CNF, and OPX), Call Arrival Keys, and PS stations. If 24 station ports are being used, eight remain for use as PS stations.
- 4. The Electra Elite 192 system allows a maximum of 120 ports to be shared by station ports (ESI, SLI, FMS/VMS, CNF, and OPX), Call Arrival Keys, and PS stations.
- 5. The total number of PS station ports are shared with the total number of Hardware and Software station ports.

Call Forward - No Answer Time Selection

General Description

Use this Memory Block to specify the time before incoming intercom calls or incoming CO/PBX lines are forwarded to another station number when the called party does not answer.

Display



System Mode 1 Submode 2 Data No. 22 PC Programming Alt +BM

Settings

LK 1	LK 2	LK 3	LK 4
4s	8s	12s	18s
LK 5	LK 6	LK 7	LK 8
24s	30s	60s	

The shaded selection is the default.

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK2 + ② ② to access the Memory Block.	
3	Press the corresponding CO/PBX line key to change the data option.	
4	Press Transfer to write the data and display the next Memory Block.	
5	Program the next Memory Block or press Speaker to go back on-line.	

M.B. Number	Memory Block Name	
1-1-46	Access Code (1-Digit) Assignment	
1-1-47	Access Code (2-Digit) Assignment	
1-1-48	Access Code (3-Digit) Assignment	
1-2-01	Intercom Call Voice/Tone Signal Selection	
1-8-08	Class of Service (Station) Feature Selection 2	
4-17	Station to Class of Service Feature Assignment	
4-42	Call Forward-Busy Immediately/Delay Selection	

System Call Park Recall Time Selection

General Description

Use this Memory Block to specify the time before a CO/PBX call recalls back to a station from Call Park.

Display



System Mode

1
Submode
2
Data No.
23
PC Programming
Alt +BM

Settings

LK 1	LK 2	LK 3	LK 4
0.5	1.0	1.5	2.0
LK 5	LK 6	LK 7	LK 8
3.0	5.0	8.0	10.0

The shaded selection is the default. Times are in minutes.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK2 + 💰 👶 to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press Transfer to write the data and display the next Memory Block.
5	Program the next Memory Block or press Speaker to go back on-line.

Related Programming

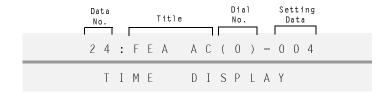
No related programming is necessary for this Memory Block.

Intercom Feature Access Code Assignment

General Description

Use this Memory Block to assign the Access Code for Voice/Tone change or Step Call.

Display



System Mode

1

Submode

2

Data No.

24

PC Programming



Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK2 + (2) (3) to access the Memory Block.
- 3 Use the dial pad to enter the Setting Data.

Use the following to enter data:

- * to move the cursor left
- #) to move the cursor right
- (P) ~ (P) to enter numeric data
- Redial + * or # to enter * or #

Setting Data

Setting Code	Feature
000	Not Used
001	Voice/Tone Switching
002	Step Call
003	Tone Override
004	Automatic Callback
005	Callback Request
006	Voice Over Originate
007	Quick Transfer to Voice Mail

Default Values

Dial Numbers
0 = 004
1 = 001
2 = 002
3~5 = 000
6 = 006
7 = 007
8, 9 = 000
* = 003
= 005

- 4 Press Transfer to write the data and advance to the next Dial No.
- 5 Repeat Steps 3 and 4 for each Dial No. The next Memory Block is displayed.
- 6 Program the next Memory Block or press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name	
1-2-01	Intercom Call Voice/Tone Signal Selection	
1-8-08	Class of Service (Station) Feature Selection 2	
1-8-26	Voice Mail Quick Transfer Master Hunt Number	
4-17	Station to Class of Service Feature Assignment	

L□ Notes **L**□

- 1. Features can be assigned to more than one dial number.
- 2. To enter * or # under Dial Numbers Selection, press Redial + * or #.

Internal Paging Alert Tone Selection

General Description

Use this Memory Block to specify whether or not a call alert tone is provided when Internal Paging is used.

Display



System Mode 1 Submode 2 Data No. 25 PC Programming Att +BP

Settings

LK 1	LK 2	LK 3	LK 4
YS	NO		
LK 5	LK 6	LK 7	LK 8
_			

The shaded selection is the default.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK2 + <a> <a> <a> <a> <a> <a> <a> <a> <a> <a>
3	Press the corresponding CO/PBX line key to change the data option.
4	Press Transfer to write the data and display the next Memory Block.
5	Program the next Memory Block or press Speaker to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

Delayed Ringing Time Assignment (ICM)

General Description

Use this Memory Block to specify the delayed ringing time for incoming internal calls.

Display



System Mode

1
Submode
2
Data No.
26
PC Programming
Alt +BI

Programming Procedures

1	Go off-line.		
2	Press LK1 + LK2 + <a> <a> <a> <a> <a> <a> <a> <a> <a> <a>		
	Enter data using the dial pad. Setting data: ② ② ②	Default Values 10 seconds	
4	Press Transfer to write data and display the next Memory Block.		
5	Program the next Memory Block or press Speaker to go back on-line.		

M.B. Number	Memory Block Name	
4-37	Extension Line Key Ring Assignment (Day Mode)	
4-38	Extension Line Key Ring Assignment (Night Mode)	

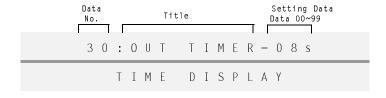
PS Out of Area Time Assignment

General Description

Use this Memory Block to specify the retry time when a PS II is Out of Area.

System Software S5000 is required.

Display



System Mode

1
Submode
2
Data No.
30
PC Programming

Alt +AP

Programming Procedures

1	1 Go off-line.		
2	Press LK1 + LK2 + 3		
3	3 Enter data using the dial pad. Default Values		
	Use the following: o move the cursor left for to move the cursor right o o move the cursor right o o o o o o o o o o o o o o o o o o o		
4	4 Press Transfer to write data and display the next Memory Block.		
5	5 Program the next Memory Block or press Speaker to go back on-line.		



- 1. When the PS Out of Area time is shorter than the Call Forward-No Answer time, the caller receives an Out of Area indication.
- 2. This Memory Block is used to define the Time a system searches for a PS II before displaying Out of Area or providing a busy tone to the Caller.
- 3. When using Call Forward Busy/No Answer feature, verify that the time is compatible with this Memory Block.

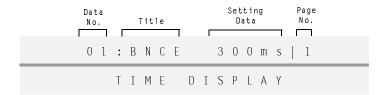
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Bounce Protect Time Selection

General Description

Use this Memory Block to specify a time for detection of a valid Off-hook indication that is long enough to prevent an unintentional bounce of the receiver from being detected as a new off-hook indication from a Single Line Telephone or Voice Mail system.

Display



System Mode

1
Submode
3
Data No.
01
PC Programming
Alt +BTI

Settings

Page 1

LK 1	LK 2	LK 3	LK 4
0ms	100ms	200ms	300ms
LK 5	LK 6	LK 7	LK 8
400ms	500ms	600ms	700ms

Page 2

LK 1	LK 2	LK 3	LK 4
800ms	900ms	1000ms	1100ms
LK 5	LK 6	LK 7	LK 8
1200ms	1300ms	1400ms	1500ms

The shaded selection is the default.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK3 to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press Transfer to write the data and display the next Memory Block.
5	Program the next Memory Block or press Speaker to go back on-line.

M.B. Number	Memory Block Name	
1-3-05	Hookflash Start Time Selection	

SLT Hookflash Signal Selection

General Description

Use this Memory Block to specify whether a line is held internally, or when behind a PBX, a hookflash (HF) signal is sent to the line when a Single Line Telephone user performs a hookflash.

Display



System Mode 1 Submode 3 Data No. 02 PC Programming Alt +BTI

Settings

LK 1	LK 2	LK 3	LK 4
HOLD	FLASH		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK3 + ② ② to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press Transfer to write the data and display the next Memory Block.
5	Program the next Memory Block or press Speaker to go back on-line.

M.B. Number	Memory Block Name
1-1-02	Hookflash Time Selection
4-24	SLT Hookflash Assignment



- 1. When Hold is specified, the CO/PBX line is put on Exclusive Hold.
- 2. When Hold is selected, the PBX/CTX line can receive the hookflash signal using Access Code 6# (default).
- 3. When Flash is specified, press the hookswitch to send the hookflash signal to the PBX/CTX line.

First Digit PBR Release Time Selection

General Description

Use this Memory Block to specify the time a Push Button Receiver (PBR) circuit is connected when a dual-tone multifrequency (DTMF) Single Line Telephone user goes off-hook. After the time expires, the PBR is disconnected. When the Single Line Telephone user dials a digit before the time expires, a PBR interdigit time starts.

Display



System Mode 1 Submode 3 Data No. 03 PC Programming All +BTI

Settings

LK 1	LK 2	LK 3	LK 4
10s	20s	30s	40s
LK 5	LK 6	LK 7	LK 8
50s	60s		

The shaded selection is the default.

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK3 + (2) (3) to access the Memory Block.	
3	Press the corresponding CO/PBX line key to change data option.	
4	Press Transfer to write the data and display the next Memory Block.	
5	Program the next Memory Block or press Speaker to go back on-line.	

M.B. Number	Memory Block Name	
1-8-10	PBR Interdigit Release Time Selection	
4-95	DTMF/DP SLT Type Selection	

Dial 1 (DP) Hookflash Selection

General Description

Use this Memory Block to specify whether or not a dial pulse (DP) Single Line Telephone provides a hookflash signal when the user presses 1 during an intercom or CO/PBX call.

Display



System Mode 1 Submode 3 Data No. 04 PC Programming Alt +BTI

Settings

LK 1	LK 2	LK 3	LK 4
YS	NO		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK3 + 4 to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press Transfer to write the data and display the next Memory Block.
5	Program the next Memory Block or press Speaker to go back on-line.

M.B. Number	Memory Block Name	
4-90	SLT Data Line Security Assignment	
4-95	DTMF/DP SLT Type Selection	

Hookflash Start Time Selection

General Description

Use this Memory Block to specify the minimum hookflash time from a Single Line Telephone or analog Voice Mail system before it is detected as the beginning of a valid hookflash.

Display



System Mode

1
Submode
3
Data No.
05
PC Programming
At +BTI

Settings

Page 1

LK 1	LK 2	LK 3	LK 4
40	90	140	190
LK 5	LK 6	LK 7	LK 8
240	290	340	390
Davis 0			

Page 2

S .			
LK 1	LK 2	LK 3	LK 4
440	490	540	590
LK 5	LK 6	LK 7	LK 8
640	690	740	790

The shaded selection is the default. The times are in milliseconds.

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK3 + . (2) (3) to access the Memory Block.	
	Press the corresponding CO/PBX line key to change the data option. Press Recall to cycle between pages.	
4	Press Transfer to write the data and display the next Memory Block.	
5	Program the next Memory Block or press Speaker to go back on-line.	

Related Programming

M.B. Number	Memory Block Name	
1-3-01	Bounce Protect Time Selection	
1-3-06	Hookflash End Time Selection	

№ Notes

Press hookswitch during CO/PBX call to place the line on hold or send hookflash to CO/PBX.

Hookflash End Time Selection

General Description

Use this Memory Block to specify the maximum hookflash duration from a Single Line Telephone to receive a second dial tone.

Display



System Mode

1
Submode
3
Data No.
06
PC Programming
Alt +BTI

Settings

Page 1

LK 1	LK 2	LK 3	LK 4
00	01	02	03
(HST + 0 ms	(HST + 100 ms.)	(HST + 200 ms.)	(HST + 300 ms.)
LK 5	LK 6	LK 7	LK 8
04	05	06	07
(HST + 400 m	s.) (HST + 500 ms.)	(HST + 600 ms.)	(HST + 700 ms.).

Page 2

LK 1	LK 2	LK 3	LK 4
08	09	10	11
(HST + 800 ms.)	(HST + 900 ms.)	(HST + 1000 ms.)	(HST + 1100 ms.)
LK 5	LK 6	LK 7	LK 8
12	13	14	15
(HST + 1200 ms.)	(HST + 1300 ms.)	(HST + 1400 ms.)	(HST + 1500 ms.)

The shaded selection is the default.

HST = Hookflash Start Time

Programming Procedures

1	Go off-line.
2	Press LK1 + LK3 + . to access the Memory Block.
	Press the corresponding CO/PBX line key to change the data option. Press Recall to cycle between pages.
4	Press Transfer to write the data and display the next Memory Block.
5	Program the next Memory Block or press Speaker to go back on-line.

M.B. Number	Memory Block Name	
1-3-05	Hookflash Start Time Selection	

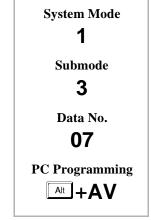
Voice Mail Digit Add Assignment

General Description

Use this Memory Block to assign up to four digits in front of the station number sent to the voice mail when a call is forwarded.

Display





Programming Procedures

1	Go off-line.		
2	Press LK1 + LK3 + @ 🐍 to access the Memory Block.		
3	Use the dial pad to enter data. Use the following to enter data: Use the following to enter data: All Blank Redial + ** to enter ** input Redial + ** to enter ** input Setting Data: 0~9, *, **		
4	Press Fransfer to write the data and display the next Memory Block.		
5	Program the next Memory Block or press Speaker to go back on-line.		

M.B. Number	Memory Block Name
4-35	Voice Mail/SLT Selection

Voice Mail DTMF Delay Time Selection

General Description

Use this Memory Block to specify the delay time before dual-tone multifrequency (DTMF) tones are sent from Voice Mail Interface (VMI) ports.

Display



System Mode 1 Submode 3 Data No. 08 PC Programming Alt +AV

Settings

LK 1	LK 2	LK 3	LK 4
0s	1s	2s	3s
LK 5	LK 6	LK 7	LK 8
4s	5s	6s	8s

The shaded selection is the default.

Programming Procedures

• ;	-gramming r roodaaroo	
1	Go off-line.	
2	Press LK1 + LK3 + ② 3 to access the Memory Block.	
3	Press the corresponding CO/PBX line key to change the data option.	
4	Press Transfer to write the data and display the next Memory Block.	
5	Program the next Memory Block or press Speaker to go back on-line.	

Related Programming

M.B. Number	Memory Block Name
4-35	Voice Mail/SLT Selection

∠n Notes **∠**n

This Memory Block applies to both digital voice mail and analog voice mail ports.

Voice Mail Disconnect Time Selection

General Description

Use this Memory Block to specify the time a disconnect signal is sent to the voice mail system.

Display



System Mode 1 Submode 3 Data No. 09 PC Programming Alt +AV

Settings

LK 1	LK 2	LK 3	LK 4
0.5s	1.0s	1.5s	2.0s
LK 5	LK 6	LK 7	LK 8
3.0s	3.5s		

The shaded selection is the default.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK3 + . to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press Transfer to write the data and display the next Memory Block.
5	Program the next Memory Block or press Speaker to go back on-line.

M.B. Number	Memory Block Name	
4-35	Voice Mail/SLT Selection	

Voice Mail DTMF Duration/Interdigit Time Selection

General Description

Use this Memory Block to specify dual-tone multifrequency (DTMF) duration and interdigit time for voice mail.

Display



System Mode 1 Submode 3 Data No. 10 PC Programming Alt +AV

Settings

LK 1	LK 2	LK 3	LK 4
60/70	110/80	410/100	610/100
LK 5	LK 6	LK 7	LK 8
810/190			

The shaded selection is the default for Duration and Interdigit Time. Times are in milliseconds.

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK3 + ① ② to access the Memory Block.	
3	Press the corresponding CO/PBX key to change data option.	Default Values Duration time: 110 ms. Interdigit Time: 80 ms.
4	Press Transfer to write the data and advance to the next Memory Block.	
5	Press Speaker to go back on-line.	

M.B. Number	Memory Block Name
4-35	Voice Mail/SLT Selection

Tandem Transfer Automatic Disconnect Time Selection

General Description

Use this Memory Block to specify maximum time, in minutes, before the system automatically disconnects a Trunk-to-Trunk connection.

Display



System Mode

1
Submode
4

Data No.

00

PC Programming



Display

Programming Procedures

Related Programming

Refer to Chapter 2 Guide to Feature Programming.



This block is used for Direct Inward System Access (DISA), Trunk-to-Trunk Transfer, Call Forward – Off-Premise, and Tie line tandem features.

Automated Attendant First Digit PBR Release Time Selection

General Description

Use this Memory Block to specify the time a Push Button Receiver (PBR) remains connected after the Automated Attendant message is played when a calling party calls in through an Automated Attendant trunk.

Display



System Mode 1 Submode 4 Data No. 01 PC Programming Att + AU

Settings

LK 1	LK 2	LK 3	LK 4
5s	10s	20s	30s
LK 5	LK 6	LK 7	LK 8
40s	50s	60s	

The shaded selection is the default.

Programming Procedures

Related Programming

No related programming is necessary for this Memory Block.



After PBR is connected, dialing must be completed in the specified time. After the first digit is dialed, interdigit time (default 7 sec.) controls the PBR time. Dialing the third digit exceeds the 20 sec. default, and the PBR is disconnected.

Automated Attendant Transfer Delayed Ringing Time Selection

General Description

Use this Memory Block to specify the time that a call rings at the destination station before the automated attendant rings a programmed station.

Display



O2 PC Programming Alt + AU

System Mode

1

Submode

4

Data No.

Settings

LK 1	LK 2	LK 3	LK 4
10s	20s	30s	∞ (No Limit)
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

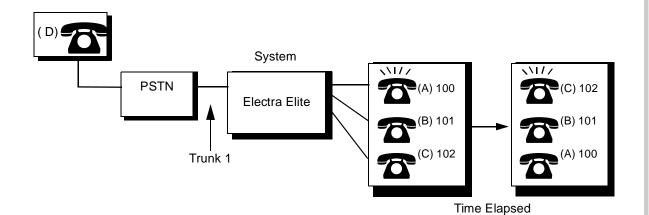
Programming Procedures

1	Go off-line.
2	Press LK1 + LK4 + * (2) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change data option.
4	Press Transfer to write the data and display the next Memory Block.
5	Program the next Memory Block or press Speaker to go back on-line.

M.B. Number	Memory Block Name
4-01 CO/PBX Ring Assignment (Day Mode)	
4-02	CO/PBX Ring Assignment (Night Mode)

№1 Notes

Example:



In this example, Public Switching Telephone Network (PSTN) and the system are connected by Trunk 1. Stations A (extension 100) and C (extension 102) are ring assigned to Trunk 1. Trunk 1 is assigned to Automated Attendant trunk.

- 1. To speak to station user A, the outside user D dials the telephone number for TRUNK 1, confirms the Automated Attendant message, and dials extension 100.
- 2. In the example at station A:
 - The ICM LED blinks and a ring tone that is different from the normal ringing tone is heard.
 - The call can be answered by lifting the handset.
 - Station users B and C cannot press the line key on the Multiline Terminals to answer the call.
- 3. In the example, if station user A does not answer in the specified time:
 - The ringing tone changes to the normal tone and station C starts ringing.
 - Any station (A, B, or C) user can press the flashing line key to answer the call.
- 4. Select ∞ (No Limit) to disable this feature.

Automated Attendant No Answer Disconnect Time Selection

General Description

Use this Memory Block to specify the time the Automated Attendant rings a station before the caller is automatically disconnected.

Display



System Mode 1 Submode 4 Data No. 03 PC Programming Alt + AU

Settings

LK 1	LK 2	LK 3	LK 4
1m	2m	3m	4m
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK4 + * (3) to access the Memory Block.	
3	Press the corresponding CO/PBX line key to change the data option.	
4	Press Transfer to write the data and display the next Memory Block.	
5	Program the next Memory Block or press Speaker to go back on-line.	

Related Programming

Refer to Chapter 2 Guide to Feature Programming.



When the called party does not answer in the programmed time, the call is dropped.

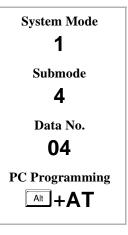
Tandem Transfer SMDR Print Extension Assignment

General Description

Use this Memory Block to specify a special number to be output from Station Message Detail Recording (SMDR) to indicate an automatic trunk-to-trunk transfer.

Display





Programming Procedures

1	Go off-line.			
2	Press LK1 + LK4 + 🛞 💮 to access the Memory Block.			
3	Use the dial pad to enter the Table Number and Setting Data. Use the following to enter data: it to move the cursor left if to move the cursor right Setting Data (Allowed): 2-Digit Number: 00~99 3-Digit Number: 000~999 4-Digit Number: 0000~9990			
4	Press Transfer to write the data and display the next Memory Block.			
5	Program the next Memory Block or press Speaker to go back on-line.			

Related Programming

M.B. Number	Memory Block Name	
1-2-03	2-, 3-, or 4-Digit Station Number Selection	

∠ı Notes **∠**ı

- 1. When the system is powered up initially, this block defaults to 3-digit number 999.
- 2. When 2-digit station numbers are selected, this block defaults to 99.
- 3. When 4-digit station numbers are selected, this block defaults to 9999.

Automatic Tandem Trunk by Night Mode Selection

General Description

Use this Memory Block to specify whether or not the Automatic Trunk-to-Trunk Transfer feature follows the Night Mode assignment.

Display



System Mode 1 Submode 4 Data No. 05 PC Programming Att +AT

Issue 6

Settings

LK 1	LK 2	LK 3	LK 4
NO	YS		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK4 + 🎉 🐧 to access the Memory Block.	
3	Press the corresponding CO/PBX line key to change the data option.	
4	Press Transfer to write the data and display the next Memory Block.	
5	Program the next Memory Block or press Speaker to go back on-line.	

M.B. Number	Memory Block Name	
1-1-27	Automatic Day/Night Mode Switching Time Assignment	
1-1-33	Speed Dial Number/Name Display Selection	
3-05	Trunk Incoming Answer Mode Selection	
3-06 Automatic Tandem Trunk Assignment		

Automated Attendant PBR Timeout Response Selection

General Description

Use this Memory Block to specify how a call answered by the Automated Attendant should be processed when a dual-tone multifrequency (DTMF) tone is not received.

Display



System Mode 1 Submode 4 Data No. 08 PC Programming Alt +AU

Settings

LK 1	LK 2	LK 3	LK 4
NORMAL	RELEAS		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK4 + 💰 🖁 to access the Memory Block.	
3	Press the corresponding CO/PBX line key to change the data option.	
4	Press Transfer to write the data and display the next Memory Block.	
5	Program the next Memory Block or press Speaker to go back on-line.	

Related Programming

Refer to Chapter 2 Guide to Feature Programming.



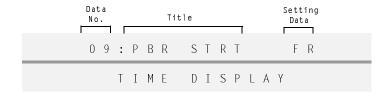
- When NORMAL is selected, and a DTMF tone is not received during the Automated Attendant message or during the Automated Attendant Push Button Receiver (PBR) Release Time (20-second default), the system rings selected stations using Memory Block 4-01 [CO/PBX Ring Assignment (Day Mode)] or Memory Block 4-02 [CO/PBX Ring Assignment (Night Mode)].
- When RELEAS is selected, and a DTMF tone is not received during the Automated Attendant message or during the Automated Attendant PBR Release Time (20-second default), the system drops the call after 30 seconds regulated by a fixed time.

Automated Attendant PBR Start Time Selection

General Description

Use this Memory Block to specify whether the Push Button Receiver (PBR) can receive dual-tone multifrequency (DTMF) signaling while the Automated Attendant is sending the message or after the message is complete.

Display



System Mode 1 Submode 4 Data No. 09 PC Programming Alt + AU

Settings

LK 1	LK 2	LK 3	LK 4
FR	AF		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK4 + 💰 🚇 to access the Memory Block.	
3	Press the corresponding CO/PBX line key to change the data option.	
	Setting Data:	
	FR: While the Automated Attendant sends the message.	
	AF: After the Automated Attendant sends the message.	
4	Press Transfer to write the data and display the next Memory Block.	
5	Program the next Memory Block or press Speaker to go back on-line.	

Related Programming

Refer to Chapter 2 Guide to Feature Programming.



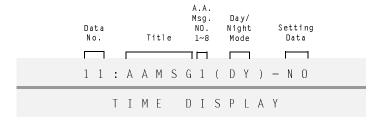
When FR is assigned, the Automated Attendant message send start time and the PBR connected to Automated Attendant trunk start time are the same.

Automated Attendant Message Day/Night Mode Selection

General Description

Use this Memory Block to specify whether or not Automated Attendant messages can be used in a Day/Night Mode setting.

Display



System Mode 1 Submode 4 Data No. 11 PC Programming Alt + AU

Settings

LK 1	LK 2	LK 3	LK 4
YS	NO		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK4 + * * * *
3	Press the corresponding CO/PBX line key to change data option for AA MSG1 in DY (Day) Mode.
	Use the following to enter data:
	🕛 ~ 🕷 to enter numerical data
	Redial to toggle between Day Mode and Night Mode
4	Press Transfer to write the data, and display the next message.
5	Repeat steps 3 and 4 for all eight messages. The next Memory Block is displayed.
6	Return to this Memory Block, toggle Redial to select NT (Night) and repeat Steps 3, 4, and 5 for all messages for night Mode. The next Memory Block is displayed.
7	Program the next Memory Block or press Speaker to go back on-line.

Related Programming

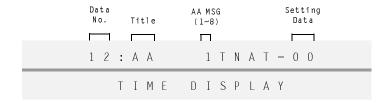
Refer to Chapter 2 Guide to Feature Programming.

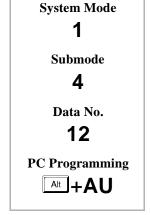
Automated Attendant Message to Tenant Assignment

General Description

Use this Memory Block to assign Automated Attendant Messages to a Tenant.

Display





Programming Procedures

1	Go off-line.				
2	Press LK1 + LK4 + * * ① ② to access the Memory Block.				
3	Use the dial pad to change the Tenant for AA MSG1. Default Values All Automated Attendant Messages Tenant No. 00				
4	Press Transfer to write the data, and advance to the next message.				
5	Repeat Steps 3 and 4 for all AA messages. The next Memory Block is displayed.				
6	Program the next Memory Block or press Speaker to go back on-line.				

Related Programming

Refer to Chapter 2 Guide to Feature Programming.



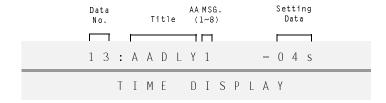
When a tenant is not assigned to a specific automated message, the Automated Attendant sends the message assigned in Memory Block 1-4-11 (Automated Attendant Message Day/Night Mode Selection).

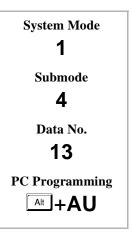
Automated Attendant Answer Delay Time Assignment

General Description

Use this Memory Block to specify the time, in seconds, before the Automated Attendant answers an incoming ${\rm CO/PBX}$ call.

Display





Programming Procedures

1	Go off-line.				
2	Press LK1 + LK4 + * * * * to access the Memory Block.				
3	Use the dial pad to enter the delay time for AA MSG. 1. (R) (R) ~ (R)	Default Values All Automated Attendant Messages: 4 sec.			
4	Press Transfer to write the data, and advance to the next AA MSG.				
5	Repeat Steps 3 and 4 for all messages. The next Memory Block is displayed.				
6	Program the next Memory Block or press Speaker to go back on-line.				

Related Programming

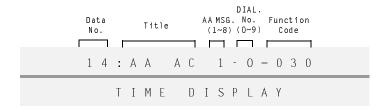
Refer to Chapter 2 Guide to Feature Programming.

Automated Attendant Message Access Code (1-Digit) Assignment

General Description

Use this Memory Block to specify a 1-digit code to route an incoming call from the Automated Attendant.

Display



System Mode

1
Submode
4
Data No.
14
PC Programming

Alt +AU

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK4 + * * T 4 to access the Memory Block.
- 3 Use the dial pad to enter function code for AA MSG. 1, Dial No. 0.

 ② ~ ② to enter function code

Setting Data (Allowed):

Function Code 001~053

1000 is unused.

Default Values					
Dial Number	Function Code	Contents			
0	030	Specified Station Call (0)			
1	010	Station Number			
2	010	Station Number			
3	010	Station Number			
4 ~ 9	000	Unregistered			

- 4 Press Transfer to write the data and advance to the next dial number.
- 5 Repeat Steps 3 and 4 for each Dial No. AA MSG. 2, Dial No. 0 is displayed.
- 6 Repeat Steps 3 and 4 for each Dial No. AA MSG. 3, Dial No. 0 is displayed.
- 7 Continue this cycle for all Dial NOs. for all messages. The next Memory Block is displayed.
- 8 Program the next Memory Block or press Speaker to go back on-line.

Related Programming

Refer to Chapter 2 Guide to Feature Programming.

№ Notes

1. Function 011 (Bypass Automated Attendant) uses Memory Blocks 4-01 [CO/PBX Ring Assignment (Day Mode)] and 4-02 [CO/PBX Ring Assignment (Night Mode)] to ring according to those assignments.

- 2. When a caller receives a busy signal after being transferred by the Automated Attendant, the following Fixed Access Codes apply:
 - Step Call
 - * Receive a second dial tone
 - CO rings based on Day/Night Ring Assignment

Function Codes

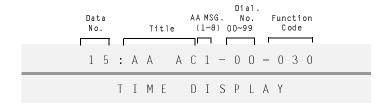
Function Code	Contents	Function Code	Contents
000	Unregistered	027	Not Used
001	Automated Attendant Message (1)	028	Not Used
002	Automated Attendant Message (2)	029	Not Used
003	Automated Attendant Message (3)	030	Specified Station Call (00). Refer to Memory Block 1-2-08 (Specified Station Access Code Assignment)
004	Automated Attendant Message (4)	031	Specified Station Call (01)
005	Automated Attendant Message (5)	032	Specified Station Call (02)
006	Automated Attendant Message (6)	033	Specified Station Call (03)
007	Automated Attendant Message (7)	034	Specified Station Call (04)
008	Automated Attendant Message (8)	035	Specified Station Call (05)
009	Not Used	036	Specified Station Call (06)
010	Internal Number (Station Number)	037	Specified Station Call (07)
011	Bypass Automated Attendant	038	Specified Station Call (08)
012	Not Used	039	Specified Station Call (09)
013	Not Used	040	Specified Station Call (10)
014	Not Used	041	Specified Station Call (11)
015	Ring Internal Paging Zone A	042	Specified Station Call (12)
016	Ring Internal Paging Zone B	043	Specified Station Call (13)
017	Ring Internal Paging Zone C	044	Specified Station Call (14)
018	Not Used	045	Specified Station Call (15)
019	Not Used	046	Specified Station Call (16)
020	DSS 1 Call	047	Specified Station Call (17)
021	DSS 2 Call	048	Specified Station Call (18)
022	DISA Access Code	049	Specified Station Call (19)
023	Not Used	050	Specified Station Call (20)
024	Not Used	051	Specified Station Call (21)
025	Not Used	052	Specified Station Call (22)
026	Not Used	053	Specified Station Call (23)

Automated Attendant Message Access Code (2-Digit) Assignment

General Description

Use this Memory Block to specify a 2-digit code to route an incoming call from the Automated Attendant.

Display



System Mode

1
Submode
4
Data No.
15
PC Programming
Alt + AU

Programming Procedures

Go off-line.

2	Press LK1 + LK4 + * * * * * to access the Memory Block.			
3	Use the dial pad to enter Function Code for MSG. 1, Dial No. 00. Use the following to enter data: (A) ~ (B) to enter Automated Attendant message number (A) (A) ~ (B) to enter Dial No.	Default Valu	runct. Code	Contents
		00 ~ 50	030	Specified Station Call (0)
		51	011	Bypass Automated Attendant
		52	015	Paging Zone A Call
		53	016	Paging Zone B Call
		54	017	Paging Zone C Call
		55 ~ 99	000	Not Used
4	Press Transfer to write the data and to advance the Dial No.			

Continue this cycle until the Dial number function codes are assigned to all AA MSGs. The next Memory Block is displayed.

Related Programming

Refer to Chapter 2 Guide to Feature Programming.

Repeat Steps 3 and 4 for each Dial No. Message 2, Dial No. 00 is displayed.

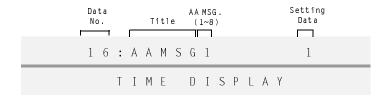
Program the next Memory Block or press Speaker to go back on-line.

Automated Attendant Message Repeat Selection

General Description

Use this Memory Block to specify the number of times a message from the Automated Attendant Is repeated to the calling party.

Display



System Mode 1 Submode 4 Data No. 16 PC Programming Alt +AU

Settings

LK 1	LK 2	LK 3	LK 4
1	2	3	4
LK 5	LK 6	LK 7	LK 8
5	6	7	8

The shaded selection is the default.

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK4 + * * 1	
3	Press the corresponding CO/PBX line key to change the number of times a message is repeated.	Default Values All Messages One Time
4	Press Transfer to write the data and advance to next AA MSG.	
5	Repeat Steps 3 and 4 for each AA MSG. The next Memory Block is displayed.	
6	Program the next Memory Block or press Speaker to go back on-line.	

Related Programming

Refer to Chapter 2 Guide to Feature Programming.

Automated Attendant Delay Announcement Hold Tone Selection

General Description

Use this Memory Block to specify the tone to be sent to the outside party after the Automated Attendant Delay Announcements are played.

Display



System Mode 1 Submode 4 Data No. 17 PC Programming Alt +AU

Settings

LK 1	LK 2	LK 3	LK 4
RBT	MOH		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK4 + * * * * * * to access the Memory Block.
	Press the corresponding CO/PBX line key to change the data option. Example : To change Ringback tone to Music On Hold, press CO/PBX LK2.
4	Press Transfer to write the data and advance to the next Memory Block.
5	Program the next Memory Block or press Speaker to go back on-line.

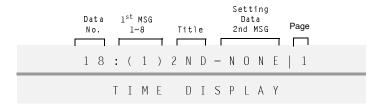
M.B. Number	Memory Block Name	
1-4-18	Automated Attendant Delay Announcement Assignment	
1-4-19 Automated Attendant 1 st to 2 nd Delay Announcement Interval Time Selection		
1-4-20 Automated Attendant Delay Announcement Disconnect Time Selection		

Automated Attendant Delay Announcement Assignment

General Description

Use this Memory Block to specify the order for the Automated Attendant messages that are played in Delayed Announcement Mode.

Display



1 Submode 4

System Mode

Data No.

18

PC Programming

Alt + AU

Settings

Page 1

LK 1	LK 2	LK 3	LK 4
NONE	MSG1	MSG2	MSG3
LK 5	LK 6	LK 7	LK 8
MSG4	MSG5	MSG6	MSG7

Page 2

3-			
LK 1	LK 2	LK 3	LK 4
MSG8			
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default

Programming Procedures

M.B. Number	Memory Block Name	
1-4-19	Automated Attendant 1st to 2nd Delay Announcement Interval Time Selection	
1-4-20	Automated Attendant Delay Announcement Disconnect Time Selection	

Automated Attendant 1st to 2nd Delay Announcement Interval Time Selection

General Description

Use this Memory Block to specify the time, in seconds or minutes, between the Automated Attendant Delay Announcement messages.

Display



System Mode

1
Submode
4
Data No.
19
PC Programming
At + AU

Settings

Page 1

LK 1	LK 2	LK 3	LK 4
0s	10s	20s	30s
LK 5	LK 6	LK 7	LK 8
1m	2m	3m	4m
Page 2			

Page 2

LK 1	LK 2	LK 3	LK 4
5m	10m	20m	
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK4 + * * * * 1	
3	Press the corresponding CO/PBX line key to change the interval time.	Default Values
	Example: To change 4 minutes to 10 seconds, press CO/PBX LK2.	4 minutes
	Press Recall to toggle between pages.	
4	Press to write the data and advance to the next Memory Block.	
5	Program the next Memory Block or press Speaker to go back on-line.	

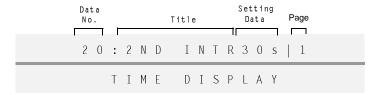
M.B. Number	Memory Block Name	
1-4-18	Automated Attendant Delay Announcement Assignment	
1-4-20	Automated Attendant Delay Announcement Disconnect Time Selection	

Automated Attendant Delay Announcement Disconnect Time Selection

General Description

Use this Memory Block to establish the time, in seconds or minutes, the Automated Attendant rings the station before disconnecting the caller. This Memory Block only applies when the Automated Attendant is set to Delay Announcement Mode.

Display



System Mode

1
Submode
4
Data No.
20
PC Programming
Alt + AU

Settings

Page 1

LK 1	LK 2	LK 3	LK 4
0s	10s	20s	30s
LK 5	LK 6	LK 7	LK 8
1m	2m	3m	4m

Page 2

LK 1	LK 2	LK 3	LK 4
5m	10m	20m	
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default. The times are in milliseconds.

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK4 + * * *	
	Press the corresponding CO/PBX line key to change the disconnect time. Example: To change 30 seconds to 10 seconds, press CO/PBX LK2. Press Recall to toggle between pages	Default Values 30 seconds
4	Press Transfer to write the selected data and advance to the next Memory Block.	
5	Program the next Memory Block or press Speaker to go back on-line.	

M.B. Number	Memory Block Name	
1-4-18	Automated Attendant Delay Announcement Assignment	
1-4-19	1-4-19 Automated Attendant 1 st to 2 nd Delay Announcement Interval Time Selection	

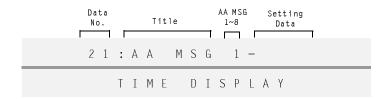
Automated Attendant Extension Number Assignment

General Description

Use this Memory Block to specify the Automated Attendant message to be played when a DID call is received.

System Software S5000 is required.

Display



System Mode

1

Submode

4

Data No.

21

PC Programming

Alt + AU

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK4 + * * * * *	
3	Enter Setting Data using the dial pad for AA MSG 1.	Default Values
	Use the following: ** to move the cursor left ** to move the cursor right ** to enter numeric data 2-Digit Station Number: 10~99 3-Digit Station Number: 100~999 4-Digit Station Number: 1000~9999 **Hold** to clear all data when cursor is at setting position	No Message Specified
4	Press Transfer to write the data and advance to the next AA MSG.	
5	Repeat Steps 3 and 4 for each AA MSG. The next Memory Block is displayed.	
6	Program the next Memory Block or press Speaker to go back on-line.	

Related Programming

M.B. Number	Memory Block Name
1-1-46,47	Access Code (1-Digit, 2-Digit) Assignment
1-2-03	2-, 3-, or 4-Digit Station Number Selection

Notes 🛍

This number is the same as Extension Number, CAR key number, and ACD/UCD/SCD. Pilot number cannot be assigned.

Automated Attendant Direct Extension Ring Assignment

General Description

Use this Memory Block to specify the Automated Attendant message to be played for direct transfer to the extension number.

System Software S5000 is required.

Display



System Mode

1

Submode

4

Data No.

22

PC Programming

At + AU

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK4 + * * * 2 2 to access the Memory Block.	
3	Use the Dial pad to enter Station Number for AA MSG 1.	Default Values
	Use the following: ** to move the cursor left ** to move the cursor right ** to move the cursor right ** 2-Digit Station Number: 10~99 3-Digit Station Number: 100~999 4-Digit Station Number: 1000~9999 **Hold** to clear all data when cursor is at setting position	No Message Specified
4	Press Transfer to write the data and display the next AA MSG.	
5	Repeat Steps 3 and 4 for each AA MSG. The next Memory Block is displayed.	
6	Program the next Memory Block or press Speaker to go back on-line.	

Related Programming

M.B. Number	Memory Block Name
1-1-46,47	Access Code (1-Digit, 2-Digit) Assignment
1-2-03	2-, 3-, or 4-Digit Station Number Selection

∠□ Notes **∠**□

The CAR Number and AA number can also be assigned as Extension Number. When Extension Number is not assigned, the Memory Block 1-4-08 time is followed.

SMDR Print Format

General Description

Use this Memory Block to specify whether or not all digits are printed. When ALL is specified, all digits are printed. When MSK (Mask) is specified, the last four digits are masked and printed as XXXX.

Display



System Mode 1 Submode 5 Data No. 02 PC Programming Alt +AS

Settings

LK 1	LK 2	LK 3	LK 4
ALL	MSK		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK5 to access the Memory Block.	
3	Press the corresponding CO/PBX line key to change the data option.	
4	Press Transfer to write the data. The next Memory Block is displayed.	
5	Program the next Memory Block or press Speaker to go back on-line.	

M.B. Number	Memory Block Name
1-5-13	Printer Connected Selection

Printer Connected Selection

General Description

Use this Memory Block to program printer connection. When the printer is not connected to the system, an alarm sounds at stations connected to Ports 01 and 02.

Display



System Mode 1 Submode 5 Data No. 13 PC Programming Alt +AS

Settings

LK 1	LK 2	LK 3	LK 4
NO	PC (Future)	YES	
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK5 + (1) (3) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press Transfer to write the data. The next Memory Block is displayed.
5	Program the next Memory Block or press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name	
1-5-02	SMDR Print Format	
1-5-14	Printer Line Feed Control Selection	
1-5-25	SMDR Valid Call Time Assignment	
1-8-35	COM Port Baud Rate Setting Assignment	
1-8-36	COM Port Parity/Stop Bit Setting Assignment	

∠ı Notes **∠**ı

Station Message Detail Recording (SMDR) cannot be used if this Memory Block is programmed for NO.

Printer Line Feed Control Selection

General Description

Use this Memory Block to specify the data format to be sent to the Station Message Detail Recording (SMDR) printer. When YS is set, a return is provided with the call record.

Display



System Mode 1 Submode 5 Data No. 14 PC Programming Alt +AS

Settings

	LK 1	LK 2	LK 3	LK 4
	YS	NO		
ı	LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK5 + (*) (2) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press Transfer to write the data. The next Memory Block is displayed.
5	Program the next Memory Block or press Speaker to go back on-line.

M.B. Number	Memory Block Name
1-5-02	SMDR Print Format
1-5-13	Printer Connected Selection
1-5-25	SMDR Valid Call Time Assignment

Notes La

Example: Settings to specify the format of communication data output to the printer.

Line Feed control in effect.

07/03/92 09:00 08-05-12 OG 123

12345678

No Line Feed control.

07/03/92 09:00 08-05-12 OG 123 00:15:32 10288516753700 LCR IWD234

12345678

(No Limit)

SMDR Valid Call Time Assignment

General Description

Use this Memory Block to assign the minimum call time before the Station Message Detail Recording (SMDR) outputs a record of the outgoing CO/PBX call.

Display



System Mode

1
Submode
5
Data No.
25
PC Programming
Alt +AS

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK5 + ② 5 to access the Memory Block.	
3	Use the dial pad to enter data.	Default Values
	Minimum time assignment is 000 sec.	040 seconds
	Time assignment can be set from 000~099 sec. in increments of 10.	
4	Press Transfer to write the data. The next Memory Block is displayed.	
5	Program the next Memory Block or press Speaker to go back on-line.	

M.B. Number	Memory Block Name	
1-1-05	Start Time Selection	
1-5-13	Printer Connected Selection	

SMDR Incoming/Outgoing Print Selection

General Description

Use this Memory Block to specify the call records to be output from the Station Message Detail Recording (SMDR): OUT = print outgoing call records only, INC = print incoming call records only, ALL = print incoming and outgoing call records.

Display



System Mode 1 Submode 5 Data No. 26 PC Programming Alt +AS

Settings

LK 1	LK 2	LK 3	LK 4
ALL	OUT	INC	
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK5 + ② ⑤ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press Transfer to write the data. The next Memory Block is displayed.
5	Program the next Memory Block or press Speaker to go back on-line.

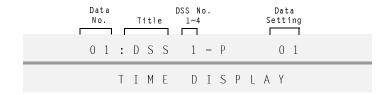
M.B. Number	Memory Block Name
1-5-13	Printer Connected Selection

Attendant Add-On Console to Telephone Port Assignment

General Description

Use this Memory Block to assign an Attendant Add-On Console to a telephone port number.

Display



System Mode

1

Submode

6

Data No.

01

PC Programming

Alt +BTD

Programming Procedures

1	Go off-line.
•	OO OH HITO.

- Press LK1 + LK6 to access this Memory Block.
- 3 Use the dial pad to enter the data.

Use the following to enter data:

- * to move the cursor left
- # to move the cursor right
- (P) ~ (9) to enter numeric data

Default Values

DSS		Tel Port No.
1	→	01
2	→	02
3	→	01
4	→	02

- 4 Press Transfer to write the data and advance to the next DSS No.
- 5 Repeat Steps 3 and 4 for each DSS. The next Memory Block is displayed.
- 6 Program the next Memory Block or press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
7-2	Telephone Type Assignment

Notes Notes

- 1. The telephone with an Attendant Add-On Console connected must be specified by port number.
- 2. A maximum of four Attendant Add-On Consoles can be connected to a system.
- 3. A maximum of four Attendant Add-On Consoles can be connected to one telephone.

DSS Call Voice/Tone Signal Selection

General Description

Use this Memory Block to specify whether Voice or Tone signaling is to be used first when calling an extension from an Attendant Add-On Console.

Display



System Mode

1
Submode
6
Data No.
03
PC Programming
Alt +BTD

Settings

LK 1	LK 2	LK 3	LK 4
TONE	VOICE		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK6.
3	Use ☀ to move cursor to the second Data No. position, and press ⓓ to access the Memory Block.
4	Press the corresponding CO/PBX line key to change the data option.
5	Press Transfer to write the data. The next Memory Block is displayed.
6	Program the next Memory Block or press Speaker to go back on-line.

M.B. Number	Memory Block Name
1-6-01 Attendant Add-On Console to Telephone Port Assignment	



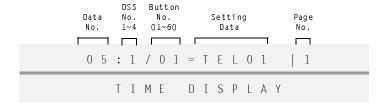
- 1. To switch Voice/Tone signaling, dial 1 from a station.
- 2. When tone signaling is programmed in this Memory Block, the called party cannot answer handsfree unless the Direct Station Select (DSS) station user dials 1 to switch it to Voice.

Attendant Add-On Console Key Selection

General Description

Use this Memory Block to assign functions to the Attendant Add-On Console keys.

Display



System Mode 1 Submode 6 Data No. 05 PC Programming Alt +BTD

Settings

Page 1

LK 1	LK 2	LK 3	LK 4
NON	TEL01 (01~120)	INT A (Paging Zone)	INT B (Paging Zone)
LK 5	LK 6	LK 7	LK 8
INT C (Paging Zone)	INT ALL (Paging Zones)	EXT A (Paging Zone)	EXT B (Paging Zone)

Page 2

LK 1	LK 2	LK 3	LK 4
EXT C (Paging Zone)	EXT ALL (Paging Zones)	MSG (Waiting)	NT MOD (Night Mode)
LK 5	LK 6	LK 7	LK 8
TRF (Transfer)	IN OUT (Attendant Station Outgoing Lockout)		CO (Trunk 01~64)

Shaded area indicates default.

Page 3

LK 1	LK 2	LK 3	LK 4
VM (Live Record)	VB (Mail Box)	DPH 1 (Doorphone)	DPH 2 (Doorphone)
LK 5	LK 6	LK 7	LK 8
RELAY 0 (General Purpose)	RELAY 1 (General Purpose)		

Programming Procedures

1	Go off-line.			
2	Press LK1 + LK6. Use * to move cursor to the second Data No. position, and press (3) to access the Memory Block.			
3	Press the corresponding CO/PBX line key and dial pad keys to change the data Default Values			
	option: Functions can be assigned to keys 01~60 on Attendant Add-On Consoles 1~4.	DSS No.	Key No.	Data Setting
	Functions to be programmed:		01	TEL No. 01
	© Station No. 01~120		02	TEL No. 02
	Internal Paging Zone A		ì	1
	Internal Paging Zone B		48	TEL. No. 48
	Internal Paging Zone C		49	Night Mode Switching
	Internal Paging Zone ALL		50	Internal Paging Zone A (INT A)
	© External Paging Zone A			Internal Paging Zone B
	© External Paging Zone B		51	(INT B)
	© External Paging Zone C© External Zone Paging ALL		52	Internal Paging Zone C (INT C)
	© Message Waiting	1~4	53	All Internal Paging Zone (INT ALL)
	Night Mode Switching		54	Vacant
	© Transfer		55	Message Waiting (MSG)
	 Attendant Station Outgoing Lockout CO (Trunk 01~64) 		56	External Paging Zone A (EXT A)
	© Feature Access Key with Live Record		57	External Paging Zone B (EXT B)
	© Digital Voice Mail Mailbox Number © DPH 1 & 2		58	External Paging Zone C (EXT C)
			59	External Paging Zone All (EXT ALL)
	DSS Key Number		60	Transfer (TRF)
		I	Use the f	following to enter data:
			_	ove the cursor left
	01			ove the cursor right
	07		$ \begin{pmatrix} 0 \\ 0 \end{pmatrix} $ ~ $ \begin{pmatrix} 9 \\ \mathbf{W} \times \mathbf{Y} \\ \mathbf{Z} \end{pmatrix} $	to enter numeric data
	13			o write selected data o go to the next page
	19 🗌 🖂 🖂 🖂 24			o go to the previous page
	25			
	31			
	37 🗌 🗎 🗎 🗎 42			
	43 🔲 🖂 🖂 🖂 48			
	49			
	55			

Programming Procedures (Continued)

4	Press Transfer to write the data.	
5	Repeat Steps 3 and 4 for all buttons for each DSS. The next Memory Block is displayed.	
6	Program the next Memory Block or press Speaker to go back on-line.	

Related Programming

M.B. Number	Memory Block Name	
1-6-01	Attendant Add-On Console to Telephone Port Assignment	
7-2 Telephone Type Assignment		

∠n Notes **∠**n

- When TEL is assigned to a line key, the red LED is used to indicate Station Status.
- 2. When a function (e. g., Message or Paging) that does not require a green LED is assigned to a 2-color LED key, the green LED does not function.
- 3. Telephone number setting data for telephone sets is determined by the number of installed ESI(8)-U10 ETUs.
- 4. Message Waiting and Attendant Station Outgoing Lockout cannot be assigned on the same console.
- 5. DSS/CO keys should be programmed on line keys 1~48 only.
- 6. The Feature Access key with Live Record has seven features:

Feature No.	Feature
00	Record Start
01	Record Pause/Restart
02	Record Erase
03	Record Finish
04	Record Erase/Restart
05	Pager
06	Record Confirmation
07	Live Monitoring

Each function can be assigned by dialing the Feature No. using the dial pad after pressing LK1 on page 3.

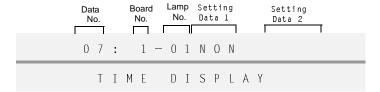
 Digital Voice Mail Mailbox Number can be entered using two, three, or four digits of the Mailbox number on the dial pad. This feature is used for Live Record addressing. The Live Record feature must be assigned to a line key on the console also.

Message Board Lamp Assignment

General Description

Use this Memory Block to assign mailbox numbers for each Message Display Board.

Display



System Mode

1
Submode
6
Data No.
07
PC Programming
Alt +BTB

Settings

LK 1	LK 2	LK 3	LK 4
NON (Unassigned)	MSG		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.		
2	Press LK1 + LK6. Use 🏵 to move cursor to the second Data No. position, and press Ĝ to access the Memory Block.		
3	Press line key to select Setting Data 1. Use the dial pad to select Setting Data 2.		
	Use the following to enter data:		
	* to move the cursor to the left		
	# to move the cursor to the right		
	② ~ ② to enter numeric data		
	Hold to clear all data		
	Setting Data 2: Mailbox No.		
	2-digits 10 ~ 99		
	3-digits 100 ~ 999		
	4-digits 1000 ~ 9999		
4	Press Transfer to write the selected data. The next Lamp No. is displayed. After all 48 lamps are assigned, the next Board No. is displayed.		
5	Repeat Steps 3 and 4 for each lamp (01~48) and for each board (1~8). The next Memory Block is displayed.		
6	Program the next Memory Block or press Speaker to go back on-line.		

M.B. Number	Memory Block Name	
7-2	Telephone Type Assignment	

Attendant Transfer Selection During Live Record

General Description

Use this Memory Block to control the Attendant DSS/BLF transfer while the Attendant is engaged in Live Record. The call is transferred to either the DSS/BLF extension or the voice mailbox of the DSS/BLF extension. When YS is selected, the call is transferred to the DSS/BLF extension. When NO is selected, the Live Record session is addressed to that DSS/BLF extension (no transfer).

Display



System Mode 1 Submode 6 Data No. 08 PC Programming

Alt + BTD

Settings

LK 1	LK 2	LK 3	LK 4
NO	YS		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

,				
1	Go off-line.			
2	Press LK1 + LK6. Use → to move cursor to the second Data No. position, and press → to access the Memory Block.			
3	Press the corresponding CO/PBX line key to change the data option.			
4	Press Transfer to write the data. The next Memory Block is displayed.			
5	Program the next Memory Block or press Speaker to go back on-line.			

Related Programming

No related programming is necessary for this Memory Block.

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Doorphone Assignment

General Description

Use this Memory Block to enable the doorphones in System Programming.

Display



System Mode

1
Submode
7
Data No.
00
PC Programming
Alt +BTP

Settings

LK 1	LK 2	LK 3	LK 4
DPH1	DPH2	DPH3	DPH4
LK 5	LK 6	LK 7	LK 8

Default not assigned.

Programming Procedures

- 1 Go off-line.
 2 Press LK1 + LK7 to access the Memory Block.
- 3 Press the CO/PBX line key corresponding to each doorphone. The LED changes to indicate the data each time the CO/PBX line key is pressed.

CO/PBX Line LED	Off	On
Data	No	Yes

The shaded area is the default setting.

- 4 Press Transfer to write the data. The next Memory Block is displayed.
- 5 Program the next Memory Block or press Speaker to go back on-line.

M.B. Number	Memory Block Name	
1-7-01	Doorphone Display Time Selection	

Doorphone Display Time Selection

General Description

Use this Memory Block to specify the time, in seconds, a doorphone call signals a station before it times out.

Display



System Mode

1
Submode
7
Data No.
01
PC Programming
Att +BTP

Settings

LK 1	LK 2	LK 3	LK 4
10s	30s	60s	90s
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK7 + 🐠 🕚 to access the Memory Block.	
3	Press the CO/PBX line key corresponding to the time assignment.	
4	Press Transfer to write the data. The next Memory Block is displayed.	
5	Program the next Memory Block or press Speaker to go back on-line.	

M.B. Number	Memory Block Name	
1-7-00	Doorphone Assignment	

External Speaker Connection Selection

General Description

Use this Memory Block to specify whether or not external speakers are connected to the system.

Display



System Mode 1 Submode 7 Data No. 02 PC Programming Alt +BP

Settings

LK 1	LK 2	LK 3	LK 4
ESP A	ESP B	ESP C	
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK7+ (Press (2)) to access the Memory Block.
- 3 Press the CO/PBX line key corresponding to each ESP Zone. The LED changes to indicate the data each time the CO/PBX line key is pressed.

CO/PBX Line LED	Off	On
Data	No	Yes

- 4 Press Transfer to write the data. The next Memory Block is displayed.
- 5 Program the next Memory Block or press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name	
1-7-03	External Paging Alert Tone Selection	

∠n Notes **∠**n

Only three external speaker zones can be connected to the system.

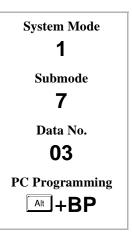
External Paging Alert Tone Selection

General Description

Use this Memory Block to specify whether or not a paging alert tone is sent on External Zone Paging (all speakers/individual speaker).

Display





Settings

LK 1	LK 2	LK 3	LK 4
YS	NO		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK7 + (9) (3) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press Transfer to write the data. The next Memory Block is displayed.
5	Program the next Memory Block or press Speaker to go back on-line.

M.B. Number	Memory Block Name	
1-7-02	External Speaker Connection Selection	
1-7-08	External Speaker Chime Selection	

Doorphone Ring Pattern Selection

General Description

Use this Memory Block to turn doorphone Off/On or specify the doorphone ring pattern. Doorphones can be individually assigned.

Display



System Mode 1 Submode 7 Data No. 04 PC Programming Alt +BTP

Page 1

LK 1	LK 2	LK 3	LK 4
OFF	ON	Α	В
LK 5	LK 6	LK 7	LK 8
С	D	E	F

The shaded selection is the default.

Page 2

LK 1	LK 2	LK 3	LK 4
G	Н		
LK 5	LK 6	LK 7	LK 8

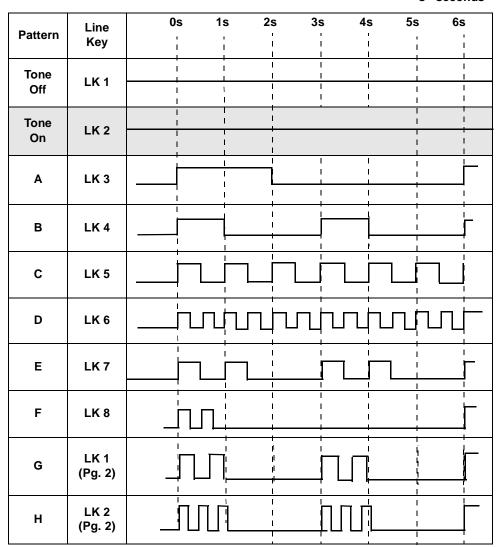
Programming Procedures

1	Go off-line.	
2	Press LK1 + LK7+ (2) (4) to access the Memory Block.	
3	Press the corresponding CO/PBX line key to change the data option. Default Values	
	Press Recall to alternate pages.	All doorphones are LK2
_		
4	Press Transfer to write the data.	
5	Repeat Steps 3 and 4 for each of the four doorphones. The next Memory Block is displayed.	
6	Program next Memory Block or press Speaker to go back on-line.	

M.B. Number	Memory Block Name
1-7-00	Doorphone Assignment
1-7-05	Doorphone Ringing Frequency Selection
4-03	Doorphone Chime Assignment (Day Mode)
4-04	Doorphone Chime Assignment (Night Mode)

The Doorphone Ring Patterns are shown in the table below:

s= seconds



Doorphone Ringing Frequency Selection

General Description

Use this Memory Block to specify the doorphone ringing frequency. Doorphones can be individually assigned.

Display



System Mode 1 Submode 7 Data No. 05 PC Programming Alt +BTP

Settings

LK 1	LK 2	LK 3	LK 4
Α	В	С	D
LK 5	LK 6	LK 7	LK 8
Е	F	G	Н

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK7+ (2) (5) to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.

The available tones are:

Tone	Frequency
Tone A	480/600 (Modulation - 16 Hz)
Tone B	480/606 (Modulation - 8 Hz)
Tone C	1024/1285
Tone D	1024
Tone E	500
Tone F	1024/1285 (Modulation - 16 Hz)
Tone G	600/700 (Modulation - 16 Hz)
Tone H	1024 (Envelope - 2 sec.)

- 4 Press Transfer to write the data.
- 5 Repeat Steps 3 and 4 for each of the four doorphones. The next Memory Block is displayed.
- 6 Program the next Memory Block or press Speaker to go back on-line.

M.B. Number	Memory Block Name	
1-7-00	Doorphone Assignment	
1-7-04	Doorphone Ring Pattern Selection	
4-03	Doorphone Chime Assignment (Day Mode)	
4-04	Doorphone Chime Assignment (Night Mode)	

External Paging Timeout Selection

General Description

Use this Memory Block to specify the time allowed for External Paging before timeout and release of the paging circuit.

Display



System Mode 1 Submode 7 Data No. 06 PC Programming Alt +BP

Settings

LK 1	LK 2	LK 3	LK 4
0.5	1.0	1.5	2.0
LK 5	LK 6	LK 7	LK 8
3.0	5.0	8.0	∞ (No Limit)

The shaded selection is the default. Times are in minutes.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK7+ ② ③ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press Transfer to write the data. The next Memory Block is displayed.
5	Program the next Memory Block or press Speaker to go back on-line.

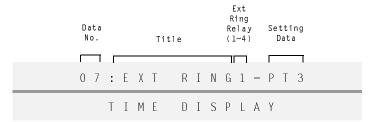
M.B. Number	B. Number Memory Block Name	
1-2-00	Internal Paging Timeout Selection	
1-7-02	External Speaker Connection Selection	

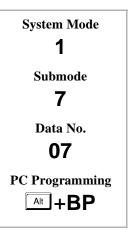
External Ring Relay Pattern Selection

General Description

Use this Memory Block to assign a distinctive ringing control/interval pattern to relay circuits.

Display





Settings

LK 1	LK 2	LK 3	LK 4
PT1	PT2	PT3	PT4
LK 5	LK 6	LK 7	LK 8
PT5	PT6	PT7 (Continuous	

The shaded selection is the default.

Programming Procedures

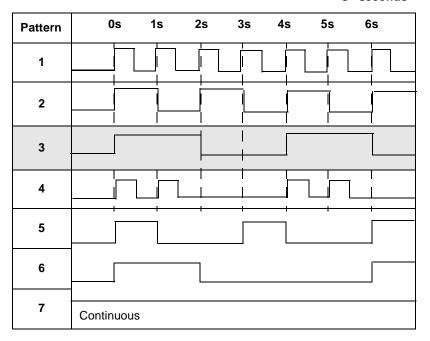
1	Go off-line.
2	Press L1 + LK7 + 🚇 🐍 to access the Memory Block.
3	Press corresponding CO/PBX line key to change the data option.
	Use dial pad keys 1~4 to specify external ring relay.
4	Press Transfer to write the data.
5	Repeat Steps 3 and 4 for each of the four Ring Relays. The next Memory Block is displayed.
6	Program the next Memory Block or press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-2-00	Internal Paging Timeout Selection
1-7-02	External Speaker Connection Selection
2-08	ECR Relay to Tenant Assignment

An External Tone relay or the Night Chime relay must be assigned in Memory Block 2-08 (ECR Relay to Tenant Assignment) before the tone is generated.

s= seconds



External Speaker Chime Selection

General Description

Use this Memory Block to specify whether a normal paging alert tone (4 tones) sounds before the speech path is established, a chime sounds at the start of the call, or a chime sounds at the start and end of the call.

Display



System Mode 1 Submode 7 Data No. 08 PC Programming Alt +BP

Settings

LK 1	LK 2	LK 3	LK 4
PRT	C-S	С-В	
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

PRT = Normal Paging Tone Before the Page

C-S = Chime - Start Only (4 Tone Chime)

C-B = Chime - Both Start and End (4 Tone Chime)

Programming Procedures

1	Go off-line.
2	Press LK1 + LK7+ (2) (3) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press Transfer to write the data. The next Memory Block is displayed.
5	Program the next Memory Block or press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name	
1-7-03	External Page Alert Tone Selection	
1-7-09	External Speaker Chime Start Time Selection	

L₁ Notes L₁

Memory Block 1-7-03 (External Paging Alert Zone Selection) must be enabled for this Memory Block to function.

External Speaker Chime Start Time Selection

General Description

Use this Memory Block only when paging alert tone (four tones) is assigned in Memory Block 1-7-08 (External Speaker Chime Selection). This Memory Block specifies the delay time (in milliseconds) after an external paging code is dialed before the paging alert tone is provided.

Display



System Mode

1
Submode
7
Data No.
09
PC Programming
Alt +BP

Settings

Page 1

LK 1	LK 2	LK 3	LK 4
000	100	200	300
LK 5	LK 6	LK 7	LK 8
400	500	600	700

Page 2

LK 1	LK 2	LK 3	LK 4
800	900	1000	1100
LK 5	LK 6	LK 7	LK 8
1200	1300	1400	1500

The shaded selection (in ms) is the default.

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK7 + ② 3 to access the Memory Block.	
3	Press the corresponding CO/PBX line key to change the data option.	
	Use the following when entering data:	
	Feature or Recall to cycle between pages, + to go from page 2 to page 1, = to go from page 1 to page 2	
4	Press fransfer to write the data. The next Memory Block is displayed.	
5	Program the next Memory Block or press Speaker to go back on-line.	

Related Programming

M.B. Number	Memory Block Name	
1-7-08	External Speaker Chime Selection	



System Software S4000 or higher is required to cycle between pages using + and =.

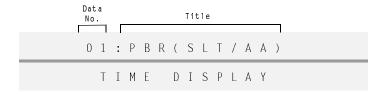
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SLT or Automated Attendant/DISA to CPU PBR Selection

General Description

Use this Memory Block to specify whether the four Push Button Receiver (PBR) circuits in the CPUB()-U10 ETU/MBD-U10 Unit are used for Single Line Telephones or Automated Attendant/Direct Inward System Access (DISA).

Display



System Mode 1 Submode 8 Data No. 01 PC Programming At +BTI

Settings

LK 1	LK 2	LK 3	LK 4
PBR 1	PBR 3		
and 2	and 4		
LK 5	LK 6	LK 7	LK 8

Default not assigned.

Programming Procedures

1 Go off-line.
 2 Press LK1 + LK8 to access the Memory Block.
 3 Press the corresponding CO/PBX line key to change the data option.
 The LED indication changes to indicate the data each time the CO/PBX line key is pressed.

CO/PBX Line LED	Off	On
Data	Single Line Telephone	A.A./DISA

The shaded area indicates the default setting.

- 4 Press Transfer to write the data. The next Memory Block is displayed.
- 5 Program the next Memory Block or press Speaker to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

Notes Notes

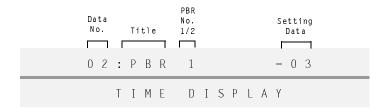
When LK1 and LK2 are assigned to Automated Attendant/DISA, a PBR($\,$)-U10 ETU must be installed in the system when Single Line Telephones are used.

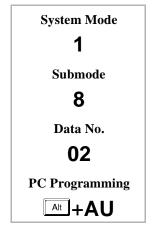
PBR Receive Level Assignment for Automated Attendant/DISA

General Description

Use this Memory Block to specify the receiving level of the Push Button Receiver (PBR) at the Automated Attendant/Direct Inward System Access (DISA).

Display





Programming Procedures

1 Go off-line.				
2 Press LK1 + LK8	B + (P) (2) to access the Memory Block.			
3 Use the dial pad	to change the data option. The information that can be	entered	Default Val	ues (PBR 1 and 2)
includes:			Setting	Receiving
Setting Data	Receiving Level		Data	Level
00	-33.0 dBm		Data	Level
01	-34.0 dBm		03	-36.0 dBm
02	-35.0 dBm			
03	-36.0 dBm			
04	-37.0 dBm			
05	-38.0 dBm			
06	-39.0 dBm			
07	-40.0 dBm			
08	-41.0 dBm			
09	-42.0 dBm			
10	-43.0 dBm			
11	-44.0 dBm			
12	-45.0 dBm			
13	-46.0 dBm			
14	-47.0 dBm			
15	-48.0 dBm			
4 Press Transfer to v	write the data and advance to the next PBR.			
5 Enter next PBR,	and press Transfer to write data. The next Memory Block	is displayed		
6 Program the nex	t Memory Block or press Speaker to go back on-line.			

Related Programming

No related programming is necessary for this Memory Block.

Notes Notes

 When the Automated Attendant answers, the DTMF signal level from the calling party is reduced from the Public Switched Telephone Network (PSTN). This Memory Block specifies the minimum detectable receiving level. Setting Data 15 is the most sensitive.

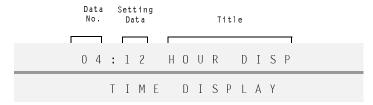
2. PBR 1 data is for Channels 1 and 2 and PBR 2 is for Channels 3 and 4 in the CPUB()-U10 ETU/MBD-U10 Unit.

Time Display (12h/24h) Selection

General Description

Use this Memory Block to specify either a 12-hour (00:00 to 11:59 a.m., noon to 11:59 p.m.) or 24-hour (00:00 to 23:59) time display.

Display



System Mode 1 Submode 8 Data No. 04 PC Programming Alt +BM

Settings

LK 1	LK 2	LK 3	LK 4
12	24		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK8 + (2) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press Transfer to write the data. The next Memory Block is displayed.
5	Program the next Memory Block or press Speaker to go back on-line.

Related Programming

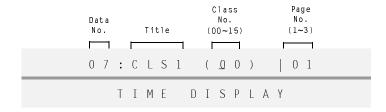
No related programming is necessary for this Memory Block.

Class of Service (Attendant) Feature Selection 1

General Description

Use this Memory Block to allow or deny specific attendant features for each Class Of Service. When individual stations are assigned, the station user can access only the features designated as allow.

Display



System Mode 1 Submode 8 Data No. 07 PC Programming Alt +BTS

Settings

Page 1

LK 1	LK 2	LK 3	LK 4
Night Mode Switching	Night Mode Switching Per Tenant	System Speed Dial Programming	Not Used
LK 5	LK 6	LK 7	LK 8
Not Used	Not Used	Automatic Trunk-to-Trunk Transfer Set/ Reset	Automated Attendant/DISA Set/Reset Mode

Page 2

LK 1	LK 2	LK 3	LK 4
Timed Alarm for Single Line Telephone Set/Reset	Call Forward Set/Cancel from Destination Station	System-Wide Reset Refer to Note 1	Password (Outgoing Restriction) Refer to Note 2
LK 5	LK 6	LK 7	LK 8
DISA Password Cancel	DISA Password Confirmation	Weekend Mode Per Tenant	Forced Account Code

Page 3

LK 1	LK 2	LK 3	LK 4
Terminal Exchange Mode Set	Not Used	Not Used	Not Used
LK 5	LK 6	LK 7	LK 8
Not Used	Not Used	Not Used	Not Used

Programming Procedures

	1	Go off-line.
:	2	Press LK1 + LK8 + (9) (7) to access the Memory Block.

3 Press the corresponding CO/PBX line key to enter data.

The LED indication changes to indicate the data each time a CO/PBX line key is pressed.

CO/PBX Line Key LED	Off	On
Data	Deny	Allow

Use the following when entering data:

Press Recall to go to the next page

Press Feature to go to the previous page

- 4 Press Transfer key. Data for Class 01 ~ 15 is displayed successively.
- 5 Press Transfer to write the data for Class 15. The next Memory Block is displayed.
- 6 Program the next Memory Block or press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name	
4-17	Station to Class of Service Feature Assignment	

∠ Notes **∠**

- System-Wide Reset selection resets the following: Call Forward All Call, Do Not Disturb, Customized Message, and Callback Request.
- 2. Password (Outgoing Restriction) selection cancels Station Lockout and default password for another station.
- 3. Sixteen Classes (00 ~ 15) of feature restriction patterns allow a station user to activate particular features while restricting others.
- 4. At default, stations 100 and 101 are in class 00. All other stations are in class 15.
- 5. Stations are assigned to a Class of Service in Memory Block 4-17 (Station to Class of Service Feature Assignment).

Classes 00 ~ 15 are programmed in this Memory Block as feature restriction classes. In Memory Block 4-17 (Station to Class of Service Feature Assignment) specify any class of service for each telephone to assign features the user can/cannot activate.

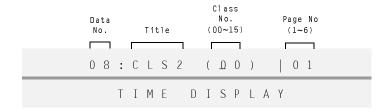
Corresponding CO/PBX Line Key	Function Name	Default Class 00	Default Class 01 ~ 15
Page 1			
LK1	Night Mode Switching (System-Wide))	Allow	Deny
LK2	Night Mode Switching (Tenant)	Allow	Deny
LK3	System Speed Dial Programming	Allow	Deny
LK4	Not Used	N/A	N/A
LK5	Not Used	N/A	N/A
LK6	Not Used	N/A	N/A
LK7	Automatic Trunk-to-Trunk Transfer (Set/Reset) and programming of Outgoing Numbers	Allow	Deny
LK8	Automated Attendant/DISA Mode (Set/Reset)	Allow	Deny
Page 2			
LK1	Timed Alarm (Set/Reset) for Single Line Telephones (From Attendant)	Allow	Deny
LK2	Call Forward-All Call (Set/Reset) from Destination Station, Call Forward CAR Keys, Call Forward All Call Set, and Call Forward Busy/No Answer set	Allow	Deny
LK3	System-Wide Reset of Timed Alarm, Call Forward-All Call, Do Not Disturb, Customized Message, and Callback Request	Deny	Deny
LK4	Cancel Station Lockout and Default Password for another Station	Allow	Deny
LK5	DISA Password Cancel	Allow	Deny
LK6	DISA Password Confirmation	Allow	Deny
LK7	Automated Attendant Weekend Mode (Set/Reset) Tenant	Allow	Deny
LK8	Forced Account Code Programming	Allow	Deny
	Page 3		•
LK1	Terminal Exchange Mode Set	Allow	Deny
LK2~LK8	Not Used	N/A	N/A

Class of Service (Station) Feature Selection 2

General Description

Use this Memory Block to allow or deny specific station features for each Class of Service. When individual stations are assigned, the station user can access only the features specified as allow.

Display



System Mode 1 Submode 8 Data No. 08 PC Programming Alt +BTS

Settings

Page 1

LK 1	LK 2	LK 3	LK 4
Call Forward - All Call, DND, Break Mode	Trunk Queuing	Automatic Callback	Barge-In (Calling Party)
LK 5	LK 6	LK 7	LK 8
Barge-In Receive (Called Party)	Timed Alarm Set/Cancel From SLT	General Purpose Relay	Voice / Tone Override (Originate)

Page 2

LK 1	LK 2	LK 3	LK 4
Absence Message	Callback Request Set	Station Outgoing Lockout Set	Not Used
LK 5	LK 6	LK 7	LK 8
Call Forward - Busy/No Answer Set	VRS Voice Message	Not Used	DISA Password Set

Page 3

LK 1	LK 2	LK 3	LK 4
Not Used	User Ringing Line Preference Set/Reset	Voice/Tone Override (Receive)	LCR Bypass
LK 5	LK 6	LK 7	LK 8
Station Trunk-to- Trunk Transfer	Account Code Entry	Digit Restriction Time Selection	Call Alert Notification

Page 4

LK 1	LK 2	LK 3	LK 4
LCR Recall	DSS Key Transfer Operation	ANI/Caller ID	ANI/Caller ID Number Selection
LK 5	LK 6	LK 7	LK 8
Manual Live Record Activate	Auto Live Record Activate	BGM Selection	Unsupervised Conference

Page 5

LK 1	LK 2	LK 3	LK 4
Account Code Forced/Verified	Group Listening Selection	Station Relocation	Set Call Forward-Off Premise
LK 5	LK 6	LK 7	LK 8
Pre-Set Dialing Allow/Deny	Live Monitoring	ANI/Caller ID Display Selection	Not Used

Page 6

LK 1	LK 2	LK 3	LK 4
ARS Overflow	VMS Message Indication	Account Code Forced/ Unverified	Not Used
LK 5	LK 6	LK 7	LK 8
Not Used	Not Used	Not Used	Not Used

Programming Procedures

1	Go off-line.
2	Press LK1 + LK8 + (2) (3) to access the Memory Block.

- 3 Use the dial pad to enter Class No.
 - Use the following to enter Class No:
 - (a) ~ (b) to enter numeric data
 - * to move cursor left
 - # to move the cursor right
- 4 Press the corresponding CO/PBX line key to allow or deny the feature selection.

The LED indication changes to indicate data each time CO/PBX line key is pressed.

CO/PBX Line Key LED	Off	On
Data	Deny	Allow

Press Recall to go to the next page.

Press Feature to go back to the previous page.

- **5** Press Transfer key to transfer data.
- 6 Repeat Steps 3 and 4 for each Class. The next Memory Block is displayed.
- 7 Program the next Memory Block or press Speaker to go back on-line.

M.B. Number	Memory Block Name
4-17	Station to Class of Service Feature Assignment

№ Notes

1. Sixteen Classes (00 ~ 15) of feature restriction patterns allow a station user to activate particular features while restricting others.

- 2. At default, all stations are in Class 00.
- 3. Stations are assigned to a Class of Service in Memory Block 4-17 (Station to Class of Service Feature Assignment).

Corresponding CO/PBX Line Key	Function Name	Default Class 00	Default Class 01 ~ 15
Page 1			
LK1	Set Call Forward - All Call, Do Not Disturb (DND), Break Mode	Allow	Deny
LK2	Trunk Queuing	Allow	Deny
LK3	Automatic Callback	Allow	Deny
LK4	Barge-In Originate on a CO/PBX Line (Calling Party)	Deny	Deny
LK5	Barge-In Receive (Called Party)	Allow	Deny
LK6	Timed Alarm (Set/Cancel) From SLT	Allow	Deny
LK7	General Purpose Relay	Allow	Deny
LK8	Voice Override/Tone Override Originate	Allow	Deny
Page 2			- 1
LK1	Absence Message	Allow	Deny
LK2	Callback Request Originate	Allow	Deny
LK3	Station Outgoing Lockout (Set/Cancel)	Allow	Deny
LK4	Not Used	N/A	N/A
LK5	Call Forward - Busy/ No Answer Set	Allow	Deny
LK6	VRS Voice Message Record/Verify/Erase	Allow	Deny
LK7	Not Used	N/A	N/A
LK8	DISA Password Set	Allow	Deny
Page 3			-1
LK1	Not Used	N/A	N/A
LK2	User Ringing Line Preference Set/Reset	Allow	Deny
LK3	Voice/Tone Override/Camp-On Receive	Allow	Deny
LK4	LCR Bypass (Trunk Groups 02~32)	Deny	Deny
LK5	Station Trunk-to-Trunk Transfer	Deny	Deny
LK6	Account Code Entry	Deny	Deny
LK7	Digit Restriction Time Selection	Allow	Allow
LK8	Call Alert Notification for DIT and DID	Allow	Deny

Corresponding CO/PBX Line Key	Function Name	Default Class 00	Default Class 01 ~ 15
Page 4			<u> </u>
LK1	LCR Recall	Allow	Deny
LK2	DSS Key Transfer Operation	Deny	Deny
LK3	ANI/Caller ID (S4500 or higher for ANI)	Deny	Deny
LK4	ANI/Caller ID Number/Name Selection (S4500 or higher for ANI)		
	If deny is set, Name is displayed if Name and number are received.	Deny	Deny
	If allow is set, Number is displayed if Name and number are received.		
LK5	Manual Live Record Activate	Deny	Deny
	(Memory Block 1-8-26 must be set.)		Dony
LK6	Auto Live Record Activate (LK5 must be on, and Memory Block 1-8-26 must be set.)	Deny	Deny
LK7	BGM Selection	Allow	Deny
LK8	Unsupervised Conference	Deny	Deny
Page 5			
LK1	Account Code Forced/Verified	Deny	Deny
LK2	Group Listening Selection	Deny	Deny
LK3	Station Relocation	Allow	Deny
LK4	Set Call Forward-Off Premise (Related to Page 1 LK1 and Page 2 LK5)	Deny	Deny
LK5	Pre-Set Dialing (Allow/Deny) (S2000 or higher)	Deny	Deny
LK6	Live Monitoring (S3000 or higher)	Deny	Deny
LK7	Caller ID Display Selection (S4000 or higher)		
	If allow is set, Caller ID Name and Number display at the same time.	Deny	Deny
LK8	Not Used	N/A	N/A
Page 6	,		-1
LK1	ARS Overflow (S4000 or higher)	Deny	Deny
LK2	Voice Mail Message Indication on Line Keys (S5000 or higher)	Deny	Deny
LK3	Account Code Forced/Unverified (S5000 or higher)	Deny	Deny
LK4~8	Not Used	N/A	N/A

Music on Hold Pattern Selection

General Description

Use this Memory Block to specify the Music on Hold pattern.

Display



System Mode 1 Submode 8 Data No. 09 PC Programming AR + BCS

Settings

LK 1	LK 2	LK 3	LK 4
Α	В		
LK 5	LK 6	LK 7	LK 8
LIVO	LIVO	LIX I	LICO

The shaded selection is the default.

Medley A = American Folk Song Medley

Medley B = Christmas Song Medley

Programming Procedures

1	Go off-line.
2	Press LK1 + LK8 + ② 3 to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press Transfer to write the data. The next Memory Block is displayed.
5	Program the next Memory Block or press Speaker to go back on-line.

M.B. Number	Memory Block Name	
1-8-31	Hold Tone Source Assignment	
1-8-32	Hold Interval Tone Volume Selection	

Notes L

1. Music on Hold can be provided to CO/PBX and intercom calls that are placed on hold.

- 2. One of two melodies can be selected:
 - A = American Folk Song Medley
 - B = Christmas Song Medley

PBR Interdigit Release Time Selection

General Description

Use this Memory Block to specify the interdigit release time for the Push Button Receiver (PBR).

Display



System Mode 1 Submode 8 Data No. 10 PC Programming Alt +BM

Settings

LK 1	LK 2	LK 3	LK 4
3s	4s	5s	6s
LK 5	LK 6	LK 7	LK 8
7s	8s	9s	10s

The shaded selection is the default.

Programming Procedures

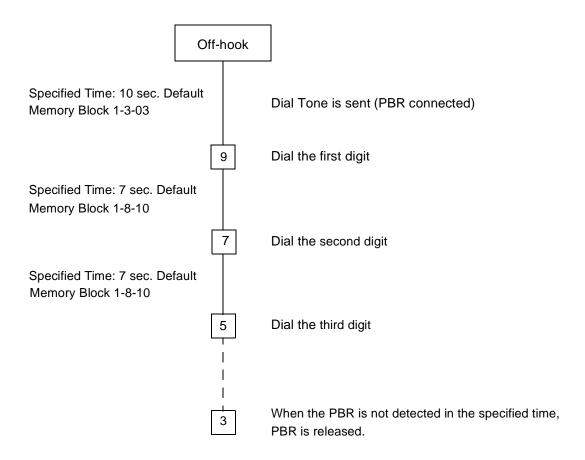
1	Go off-line.
2	Press LK1 + LK8 + 1
3	Press the corresponding CO/PBX line key to change the data option.
4	Press Transfer to write the data. The next Memory Block is displayed.
5	Program the next Memory Block or press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name	
1-3-03	First Digit PBR Release Time Selection	
1-8-01	SLT or Automated Attendant/DISA to CPU PBR Selection	



A DTMF Single Line Telephone connected to the Electra Elite 48/192 system must be supported by a PBR that receives DTMF signals.



System Refresh Time Assignment

General Description

Use this Memory Block to assign the System Refresh Time during idle periods.

Display



System Mode 1 Submode 8 Data No. 11 PC Programming Att +BM

Settings

LK 1	LK 2	LK 3	LK 4
NON	4H	8H	12H
LK 5	LK 6	LK 7	LK 8
24H			

The shaded selection is the default.

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK8 + 🕚 🕚 to access the Memory Block.	
3	Press the corresponding CO/PBX line key to change the data option.	
4	Press Transfer to write the data. The next Memory Block is displayed.	
5 Program the next Memory Block or press Speaker to go back on-line.		

Related Programming

No related programming is necessary for this Memory Block.

№ Notes

The system automatically refreshes itself during idle periods based on the time specified in this Memory Block.

VRS Message Recording Time Selection

General Description

Use this Memory Block to specify the recording time and number of messages for each Voice Recording Service (VRS) channel.

Display



System Mode 1 Submode 8 Data No. 12 PC Programming

+AR

Settings

LK 1	LK 2	LK 3	LK 4
15s x16	30s x 8	60s x 4	120s x 2
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.		
2	Press LK1 + LK8 + ① ② to access the Memory Block.		
3	Press corresponding CO/PBX line key to change data option. Use the following to enter VRS Channel: Output O	Default Values All VRS Channels Recording Time = 15 seconds, 16 messages	
4	Press Transfer to write the data and advance to the next VRS Channel.		
5	Repeat Steps 3 and 4 for each of the seven remaining VRS channels. The next Memory Block is displayed.		
6	Program the next Memory Block or press Speaker to go back on-line.		

Related Programming

No related programming is necessary for this Memory Block.



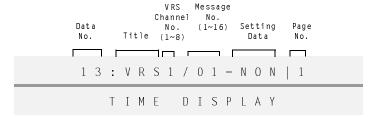
Voice Recording Services Channel 1 has 240 seconds for message recording. The number of messages that can be recorded depends on message length. Divide 240 by the message length to obtain number.

VRS Message Function Assignment

General Description

Use this Memory Block to assign the recorded voice prompt Delay Announcement/ Automated Attendant Message to the Voice Recording Service (VRS) Message number. Refer to Memory Block 1-8-12 (VRS Message Recording Time Selection).

Display



System Mode 1 Submode 8 Data No. 13 PC Programming Alt +AR

Settings

Page 1

9			
LK 1	LK 2	LK 3	LK 4
NON	V1 (Voice Prompt)	V2 (Voice Prompt)	M1 (Delay message)
LK 5	LK 6	LK 7	LK 8
M2 (Delay mes- sage)	Not Used	Not Used	Not Used
Page 2			
IK1	IK2	LK3	1 K 4

· ·			
LK 1	LK 2	LK 3	LK 4
D1 (Day A A)	D2 (Day A A)	D3 (Day A A)	D4 (Day A A)
LK 5	LK 6	LK 7	LK 8
D5 (Day A A)	D6 (Day A A)	D7 (Day A A)	D8 (Day A A)

Page 3

LK 1	LK 2	LK 3	LK 4
N1	N2	N3	N4
(Night A A)	(Night A A)	(Night A A)	(Night A A)
LK 5	LK 6	LK 7	LK 8
N5	N6	N7	N8
(Night A A)	(Night A A)	(Night A A)	(Night A A)

Page 4

LK 1	LK 2	LK 3	LK 4
W1	W2	W3	W4
(Weekend A A)	(Weekend A A)	(Weekend A A)	(Weekend A A)
LK 5	LK 6	LK 7	LK 8
W5	W6	W7	W8
(Weekend A A)	(Weekend A A)	(Weekend A A)	(Weekend A A)

Programming Procedures

1	Go off-line.
2	Press LK1 + LK8 + ① ③ to access the Memory Block.
3	Press corresponding CO/PBX line key to change data option. Default Value
	Use (9) ~ (9) to enter VRS Channel and message number. All Channels of Block: No Message
	Press * to move cursor left
	Press ∉ to move cursor right
	Press Recall to go to the next page
	Press Feature to go back to the previous page
4	Press Transfer to write the data and advance to the next message. After Message No. 16, the next VRS is displayed.
5	Repeat Steps 3 and 4 for each message for each VRS. The next Memory Block is displayed.
6	Program the next Memory Block or press speaker to go back on-line.

Related Programming

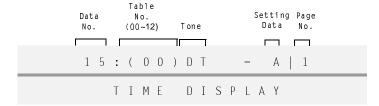
Refer to Chapter 2 Guide to Feature Programming.

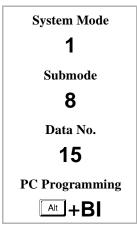
Tone Assignment

General Description

Use this Memory Block to assign each system tone to the flexible tables.

Display





Settings

Page 1

LK 1	LK 2	LK 3	LK 4	
А	В	С	D	
LK 5	LK 6	LK 7	LK 8	
E	F	G	Н	

Page 2

LK 1	LK 2	LK 3	LK 4
I	J	K	L
LK 5	LK 6	LK 7	LK 8
М			

The shaded selection is the default.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK8 + (1) (2) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the Setting Data option.
	Use ② ~ ③ to enter Table No.
	Press Recall to alternate between pages.
4	Press Transfer to write the data and advance to the next table.
5	Repeat Steps 3 and 4 for each remaining table. The next Memory Block is displayed.
6	Program the next Memory Block or press Speaker to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

Default Table

Table Number	Tone	LCD	Default
00	ICM Dial Tone	DT	A
01	Second Dial Tone	2DT	В
02	Special Dial Tone	SPDT	С
03	Busy Tone	ВТ	D
04	Reorder/Error Tone	ROT	E
05	Howler Tone	HWT	F
06	Service Set Tone	SST	G
07	ICM Ringback Tone	RBT1	I
08	Tie/DID Ringback Tone	RBT2	Н
09	Call Waiting Tone	CWT	J
10	LCR Dial Tone	SDTT	К
11	Tone Burst 1	TB1	G
12	Tone Burst 2	TB2	К

Tone Table

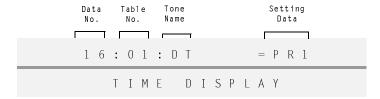
Tone	Frequency	Intermit	Cycle
Α	350/440	Continuous	
В	350/440	120 IPM 0.25 On, 0.25 Off	
С	440	240 IPM 0.125 On, 0.125 Off	
D	480/620	60 IPM 0.5 On, 0.5 Off	
E	480/620	120 IPM	
F	2400 16 Modulation	Continuous	
G	440	Continuous	
н	440/480	2 sec On 4 sec Off	
I	440/480	1 sec On 2 sec Off	
J	440	60 IPM	
К	400	Continuous	
L	800	60 IPM	
M	No Tone	Continuous	

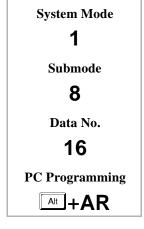
Voice Prompt to Tone Assignment

General Description

Use this Memory Block to assign the voice prompt to each tone. Voice prompt is provided only during the Internal Dial tone or Call Waiting tone.

Display





Settings

LK 1	LK 2	LK 3	LK 4
PR1	PR2		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

	, -	
1	Go off-line.	
2	Press LK1 + LK8 + (*) (6) to access the Memory Block.	
3	Press the corresponding CO/PBX line key to change data option. Table No. 1: Dial tone Table No. 2: Call Waiting tone	Default Values Dial Tone: PR1 Call Waiting Tone: PR2
4	Press Transfer to write the data and advance to Table 02.	
5	After entering Table 2 data, press Transfer to write the data. The next Memory Block	is displayed.
6	Program the next Memory Block or press Speaker to go back on-line.	

Related Programming

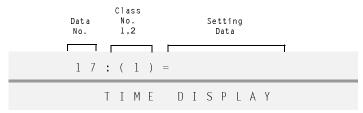
Refer to Chapter 2 Guide to Feature Programming.

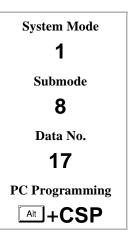
PC Programming Password Assignment

General Description

Use this Memory Block to set a system password that must be entered when using PC Programming.

Display





Programming Procedures

1	Go off-line.	
2	Press LK1 + LK8 + 🕚 👶 to access the Memory Block.	
3	Use the following to enter Class 1 (Technician Mode) and password (8 digits max.) Use the following to enter data: Class 1, 2 All Blank Class 1, 2 All Blank Press Hold to clear data	
4	Press Transfer to write the data and advance to Class 2 (End User Mode).	
5	After entering Class 2 password, press Transfer to write the data. The next Memory Block is displayed.	
6	Program next Memory Block or press Speaker to go back on-line.	

Related Programming

No related programming is necessary for this Memory Block.



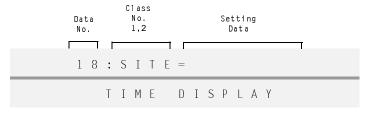
- 1. Programming from a Multiline Terminal allows eight digits to be entered for each class.
- 2. PC Programming allows only five digits to be entered; when more are entered, a Password No Good error is provided when login is attempted.

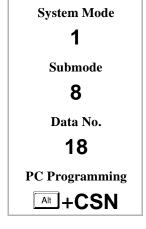
Site Name Assignment

General Description

Use this Memory Block to specify a site name for PC Programming software to use to program the system.

Display



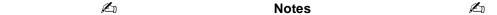


Programming Procedures

1	Go off-line.
2	Press LK1 + LK8 + () (to access the Memory Block.
3	Use Character Code Table in Section 9, and enter up to eight characters for Setting Data.
	Press Hold to clear data at cursor.
4	Press Transfer to write the data. The next Memory Block is displayed.
5	Program next Memory Block or press Speaker to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.



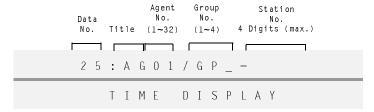
- 1. When programmed, this assignment creates a directory in the PC after download is performed.
- System Software S4000 or higher allows the name to be entered using the dial pad instead of the ASCII Character Code Tables. Follow the procedure in Section 9 Character Assignment on page 1-594.

ACD/UCD Group Agent Assignment

General Description

Use this Memory Block to specify the Agent Station Number and the Automatic Call Distribution/Uniform Call Distribution (ACD/UCD) Group Number where each agent is assigned.

Display



System Mode

1
Submode
8
Data No.
25
PC Programming
Alt + AA

Programming Procedures

1	Go off-line.
2	Press LK1 + LK8 + ② ③ to access the Memory Block.
3	Setting data includes Group no. (1 ~ 4) and Station No. (4 digits max.) Use the dial pad to enter data. Agent station number is one of the following: Outliet (20, 20)
	 2 digit (00 ~ 99) 3 digit (000 ~ 999) 4 digit (0000 ~ 9999)
4	Press Transfer to write Group and Station No. and advance to next Agent number (1 ~ 32).
5	Repeat Steps 3 and 4 for each remaining Agent. The next Memory Block is displayed.
6	Program next Memory Block or press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-1-46	Access Code (1-Digit) Assignment
1-1-47	Access Code (2-Digit) Assignment
1-1-48	Access Code (3-Digit) Assignment
1-2-03	2-, 3- or 4-Digit Station Number Selection

Kin Notes Kin

- 1. UCD and ACD cannot be installed in the same system.
- 2. ACD is **not** supported in the Electra Elite 48 system.

Voice Mail Quick Transfer Master Hunt Number

General Description

Use this Memory Block to specify a Voice Mail Master Hunt Number to operate Quick Transfer to Voice Mail. This Memory Block also enables the voice mail display in the LCD of a Multiline Terminal when a voice mail machine sets a message.

Display



System Mode

1
Submode
8
Data No.
26
PC Programming

Alt +AV

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK8 + (2) (2) to access the Memory Block.	
3	Use dial pad to enter agent station No. Default Value	
	Use the following to enter data: ② ~ ② to enter numeric data ③ to move cursor left ④ to move cursor right	
	Agent station number is one of the following: • 2 digit (00 ~ 99) • 3 digit (000 ~ 999) • 4 digit (0000 ~ 9999)	
4	Press Transfer to write the data. The next Memory Block is displayed.	
5	Program next Memory Block or press Speaker to go back on-line.	

M.B. Number	Memory Block Name
1-1-46	Access Code (1-Digit) Assignment
1-1-47	Access Code (2-Digit) Assignment
1-1-48	Access Code (3-Digit) Assignment
1-2-03	2-, 3- or 4-Digit Station Number Selection
1-2-24	Intercom Feature Access Code Assignment
4-14	Intercom Master Hunt Number Selection
4-15	Intercom Master Hunt Number Forward Assignment
4-35	Voice Mail/SLT Selection

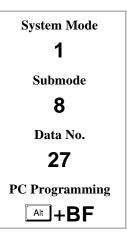
Forced Account Code Length Assignment

General Description

Use this Memory Block to specify the number of digits for the Forced Account Codes.

Display





Programming Procedures

1	Go off-line.	
2	Press LK1 + LK8 + ② 5 to access the Memory Block.	
3	Use dial pad to enter number of digits. Default Values	
	10 Digits	
	Use the following to enter data:	
	② ~ ③ to enter digits	
	* to move cursor left	
	Setting Data = 01 ~ 13 digits	
4	Press Transfer to write the data. The next Memory Block is displayed.	
5	Program next Memory Block or press Speaker to go back on-line.	

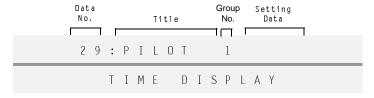
M.B. Number	Memory Block Name
1-1-46	Access Code (1-Digit) Assignment
1-1-47	Access Code (2-Digit) Assignment
1-1-48	Access Code (3-Digit) Assignment
1-8-08	Class of Service (Station) Feature Selection 2

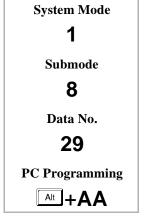
SCD (Simplified Call Distribution) Pilot Number Assignment

General Description

Use this Memory Block to specify the SCD Pilot number for each group. Any valid unused station number can be used.

Display





Programming Procedures

1	Go off-line.	
2	Press LK1 + LK8 + ② to access the Memory Block.	
3	Use dial pad to enter an extension number.	Default Values
	Use the following to enter data: (**) to enter digits *** to move cursor left *** to move cursor right Setting Data = 2~4 digits	Not Assigned
4		
4	Press Transfer to write the data and advance to next Group No. (1~4).	
5	Repeat Steps 3 and 4 for each remaining Group No. The next Memory Block is displayed	d.
6	Program next Memory Block or press Speaker to go back on-line.	

M.B. Number	Memory Block Name
1-8-30	SCD Group Agent Assignment

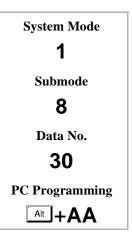
SCD Group Agent Assignment

General Description

Use this Memory Block to assign stations to one of four simplified call distribution groups. A total of 32 stations can be assigned.

Display





Programming Procedures

1	Go off-line.	
2	Press LK1 + LK8 + ③ ② to access the Memory Block.	
3	Use dial pad to enter Grp (1~4) and the Setting Data (station number) for each agent. Use the following to enter data: (**) ~ (**) to enter digits ** to move cursor left ** to move cursor right Setting Data = Maximum of 4 digits	Default Values Not Assigned
4	Press Transfer to write the data and select the next Agent No.	
5	Repeat Steps 3 and 4 for each remaining Agent No. The next Memory Block is displayed	i.
6	Program next Memory Block or press Speaker to go back on-line.	

M.B. Number	Memory Block Name
1-8-29	SCD (Simplified Call Distribution) Pilot Number Assignment

Hold Tone Source Assignment

General Description

Use this Memory Block to assign an internal or external Music on Hold source.

Display



Settings

LK 1	LK 2	LK 3	LK 4
INT	EXT		

The shaded selection is the default.

System Mode 1 Submode

8

Data No.

31

PC Programming

Alt +BCS

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK8 + 🖫 🕛 to access the Memory Block.	
3	Press the corresponding CO/PBX line key to change the MOH source.	Default Values
4	Press Transfer to write the data. The next Memory Block is displayed.	
5	Program next Memory Block or press Speaker to go back on-line.	

M.B. Number	Memory Block Name	
1-8-09	Music On Hold Pattern Selection	
1-8-32	Hold Internal Tone Volume Selection	

Hold Internal Tone Volume Selection

General Description

When the internal Music On Hold source is used, this Memory Block can be used to pad the music by -6 dB.

Display



System Mode 1 Submode 8 Data No. 32 PC Programming Alt +BCS

Settings

LK 1	LK 2	
0dB	-6dB	

The shaded selection is the default.

Programming Procedures

1	Go off-line.		
2	Press LK1 + LK8 + 3 2 to access the Memory Block.		
3	Press the corresponding CO/PBX line key to change the dB setting.	Default Values	
		0 dB	
4	Press Transfer to write the data. The next Memory Block is displayed.		
5	Program next Memory Block or press (Speaker) to go back on-line.		

M.B. Number	r Memory Block Name	
1-8-31	Hold Tone Source Assignment	

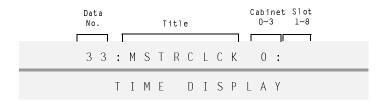
Master Clock Selection

General Description

When a DTI-U10/20 ETU (T-1), PRT(1)-U10/20 ETU, or BRT(4)-U10 ETU is installed, clocking must be synchronized. Use this Memory Block to assign the source for system synchronization.

When the master clock selection is changed, all T-1 traffic is dropped immediately as the synchronization occurs again.

Display



System Mode

1

Submode

8

Data No.

33

PC Programming

Alt +AD

Programming Procedures

1	Go off-line.			
2	Press LK1 + LK8 + (3) (3) to access the Memory Block.	Press LK1 + LK8 + (3) (3) to access the Memory Block.		
3	Use dial pad to enter number of digits.	Default Values		
	Use the following to enter data: (**) ~ (**) to enter digits ** to move cursor left **) to move cursor right	Cabinet 0 (Not Used)		
4	Press Transfer to write the data. The next Memory Block is displayed.			
5	Program next Memory Block or press Speaker to go back on-line.			

M.B. Number	Memory Block Name	
7-1	Card Interface Slot Assignment	

COM Port Baud Rate Setting Assignment

General Description

Use this Memory Block to specify the baud rates for individual COM ports.

Display



System Mode 1 Submode 8 Data No. 35 PC Programming Alt +CSS

Settings

LK 1	LK 2	LK 3	LK 4
4.8	9.6	19.2	38.4

The shaded selection is the default. Baud Rates are in Kbps.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK8 + 👶 💲 to access the Memory Block.
3	Press the corresponding CO/PBX line key to select the baud rate for each COM port. Default Values
	COM 1 = 38.4
	COM 2 = 4.8
	COM 3 = 4.8 (Not Used)
	COM 4 = 9.6
4	Press Transfer to write the data, and advance to the next COM port.
5	Repeat steps 3 and 4 for each remaining COM port. The next Memory Block is displayed.
6	Program next Memory Block or press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name	
1-5-13	Printer Connected Selection	

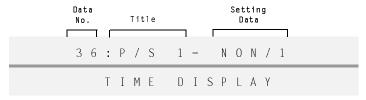
COM 1 = PC Programming
COM 1 = LCR
COM 2 = Station Message Detail Recording (SMDR)
COM 4 = Automatic Call Distribution (Not used by Electra Elite 48 system)

COM Port Parity/Stop Bit Setting Assignment

General Description

Use this Memory Block to specify the Parity and Stop bit for the individual COM ports.

Display



System Mode 1 Submode 8 Data No. 36 PC Programming Alt +CSS

Settings

LK 1	LK 2	LK 3	LK 4
NON/1	NON/2	EVEN/1	ODD/1
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK8 + 👶 👶 to access the Memory Block.
3	Press the corresponding CO/PBX line key to select the parity and stop bit setting. Default Values
	COM 1 = Non/1
	COM 2 = Non/1
	COM 3 = Non/1
	COM 4 = Non/1
4	Press Transfer to write the data, and advance to the next COM port.
5	Repeat steps 3 and 4 for each remaining COM port. The next Memory Block is displayed.
6	Program next Memory Block or press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name	
1-5-13	Printer Connected Selection	

Notes

COM 1 = PC Programming

COM 1 = LCR

COM 2 = Station Message Detail Recording (SMDR)

COM 4 = Automatic Call Distribution (Not used by Electra Elite 48 system)

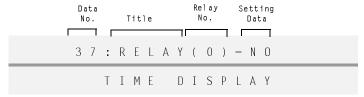
Programming Manual

General Purpose Relay Assignment

General Description

Use this Memory Block to specify whether or not the General Purpose Relays on the ECR-U10 ETU are used.

Display



System Mode 1 Submode 8 Data No. 37 PC Programming Att +BP

Settings

LK 1	LK 2	LK 3	LK 4
NO	YS		
LK 5	LK 6	LK 7	LK 8
LIV	LK 6	LN /	LNO

The shaded selection is the default.

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK8 + (3) (7) to access the Memory Block.	
3	Press the corresponding CO/PBX line key to specify whether or not relay one is used.	Default Values NO
4	Press Transfer to write the data and advance to relay 1.	
5	Press Transfer to write the data for relay 1. The next Memory Block is displayed.	
6	Program next Memory Block or press Speaker to go back on-line.	

Related Programming

M.B. Number	Memory Block Name	
1-6-05	Attendant Add-On Console Key Selection	

Lo Notes Lo

These General Purpose Relays are normally open relays.

Modem Number For Remote Programming Assignment

General Description

A socket modem can be installed on the MIFM-U10 ETU when it is installed in S1 or S2 of the B64-U10 KSU or S2 of the B48-U10 KSU. Use this Memory Block to assign the extension number for the socket modem.

Display



System Mode

1

Submode

8

Data No.

38

PC Programming

Alt +CSS

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK8 + ③ ⑤ to access the Memory Block.	
3	Use dial pad to enter number of digits. Use the following to enter data: One and to enter number of digits. Not assigned Is to move cursor left one to move cursor right Setting Data = maximum of 4 digits	
4	Press Transfer to write the data. The next Memory Block is displayed.	
5	Program next Memory Block or press Speaker to go back on-line.	

M.B. Number	Memory Block Name
7-1	Card Interface Slot Assignment

ACD Hunt Time

General Description

Use this Memory Block to assign the time for hunting among the Automatic Call Distribution/ Uniform Call Distribution (ACD/UCD) agents that do not answer an ACD/UCD call.

Display



System Mode 1 Submode 8 Data No. 40 PC Programming Alt + AA

Settings

LK 1	LK 2	LK 3	LK 4
10s	20s	30s	60s
LK 5	LK 6	LK 7	LK 8
120s	240s	∞ (No Limit)	

The shaded selection is the default.

Programming Procedures

1	Go off-line.		
2	Press LK1 + LK8 + 4 to access the Memory Block.		
3	Press the corresponding CO/PBX line key to assign the value.	Default Value 10 seconds	
4	Press Transfer to write the data. The next Memory Block is displayed.		
5	Program next Memory Block or press Speaker to go back on-line.		

M.B. Number	Memory Block Name
1-12-00	ACD/UCD Group Pilot Number Assignment
1-12-01	ACD/UCD Group Overflow Destination Assignment
1-12-02	ACD/UCD Overflow Time Selection

	L a	Notes	∠ n
ACD is not supported in the Electra Elite 48 system.			

Enhanced 911 Trunk Assignment

General Description

Use this feature to define an available loop-start trunk as a CAMA or an ISDN PRI trunk. When a user dials 911, the system seizes the E911 trunk and sends additional digits (CESID) to enable the PSAP center to recognize the callback telephone number. The E911 trunk must be connected to a COI(4)/(8)-U10, COID(4)/(8)-U10, or COIB(4)-U10 Loop Start port and assigned to the system.

System Software S3000 or higher is required to support CAMA trunk.

System Software S4500 or higher is required to support ISDN PRI trunk.

Display



System Mode

1

Submode

8

Data No.

43

PC Programming

Att +AE

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK8 + (4) (3) to access the Memory Block.	
3	Use the dial pad to specify CO/PBX number to assign the CAMA trunk.	
	Use the following to enter data:	
	(g) ~ (g) to enter numeric data	
	* to move cursor left	
	# to move the cursor right	
	Setting Data: CO/PBX 01~64 (Default not specified)	
	Hold: Data Clear	
4	Press Transfer to write the data. The next Memory Block is displayed.	
5	Program next Memory Block or press Speaker to go back on-line.	

M.B. Number	Memory Block Name
1-8-44	Enhanced 911 Alternate Route Assignment
1-8-45	Enhanced 911 Alternate Route Assignment (Maintenance Busy)
1-8-46	Enhanced 911 Dialing Digit Assignment
4-54	Enhanced 911 CESID to Station Table

∠□ Notes

- 1. Only one CAMA or ISDN PRI trunk can be assigned per system.
- 2. The E911 trunk can be connected to a COI(4)/(8)-U10, COID(4)/(8)-U10, or COIB(4)-U10 ETU.
- Information provided to the E911 system is called Caller Emergency Service Identification (CESID) that can be a
 7- to 10-digit number. Caller ID can be used instead of CESID. The E911 Operator data base uses Caller ID or
 the CESID to provide a callback number and location for emergency response.
- 4. To seize the E911 trunk:
 - Dial 911 after receiving internal dial tone.
 - Dial 911 after accessing an outside trunk with a line key.
 - Dial 911 after accessing an outside trunk with an access code.

Enhanced 911 Alternate Route Assignment

General Description

Use this Memory Block to specify the trunk route or route advance block to be seized if the E911 trunk is busy. Normally, this Memory Block is left unassigned.

System Software S3000 or higher is required.

Display



System Mode

1
Submode
8
Data No.
44
PC Programming

Alt +AE

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK8 + 🐍 🗘 to access the Memory Block.	
3	Use the dial pad to enter data.	
	Use the following to enter data:	
	(g) ~ (g) to enter numeric data	
	* to move cursor left	
	# to move the cursor right	
	Setting Data: Not Specified No Alternate Route (default)	
	101~132 Trunk Group 01~32	
	201~ 216 Route Advance Block 01~16	
	Hold Data Clear	
4	Press Transfer to write the data. The next Memory Block is displayed.	
5	Program next Memory Block or press Speaker to go back on-line.	

Related Programming

M.B. Number	Memory Block Name
1-8-43	Enhanced 911 Trunk Assignment
1-8-45	Enhanced 911 Alternate Route Assignment (Maintenance Busy)
1-8-46 Enhanced 911 Dialing Digit Assignment	
4-54	Enhanced 911 CESID to Station Table

∠n Notes **∠**n

One trunk group or one route advance block per system can be specified.

Enhanced 911 Alternate Route Assignment (Maintenance Busy)

General Description

Use this Memory Block to specify the trunk route or route advance block to be seized when the E911 trunk is in maintenance busy or trouble out of service.

System Software S3000 or higher is required.

Display



System Mode

1
Submode
8
Data No.
45
PC Programming
Alt + AE

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK8 + ② ② to access the Memory Block.	
3	Use the dial pad to enter data.	
	Use the following to enter data:	
	(f) ~ (g) to enter numeric data	
	* to move cursor left	
	# to move the cursor right	
	Setting Data: (Default: Trunk Group 01)	
	101~132 Trunk Group 01~32 (Default 101 for Trunk Group 01)	
	201~ 216 Route Advance Block 01~16	
	Hold : Data Clear	
4	Press Transfer to write the data. The next Memory Block is displayed.	
5	Program next Memory Block or press Speaker to go back on-line.	

M.B. Number	Memory Block Name	
1-8-43	Enhanced 911 Trunk Assignment	
1-8-44	Enhanced 911 Alternate Route Assignment	
1-8-46	Enhanced 911 Dialing Digit Assignment	
4-54	Enhanced 911 CESID to Station Table	

№ Notes

1. When the E911 trunk is maintenance busy or trouble out of service, E911 calls are routed to the trunk group assigned by E911 Alternate Route Assignment.

2. One trunk group or one route advance block per system can be specified.

Enhanced 911 Dialing Digit Assignment

General Description

Use this Memory Block to specify the number of digits to be sent when a call is originated by dialing 911.

System Software S3000 or higher is required.

Display



System Mode

1
Submode
8
Data No.
46
PC Programming
Alt +AE

Settings

LK 1	LK 2	LK 3	LK 4
1	11	911	
LK 5	LK 6	LK 7	

The shaded selection is the default.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK8 + 4 to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press Transfer to write the data. The next Memory Block is displayed.
5	Program next Memory Block or press Speaker to go back on-line.

M.B. Number	Memory Block Name	
1-8-43	Enhanced 911 Trunk Assignment	
1-8-44	Enhanced 911 Alternate Route Assignment	
1-8-45	Enhanced 911 Alternate Route Assignment (Maintenance Busy)	
4-54 Enhanced 911 CESID to Station Table		

Call Arrival Key Voice Mail Message Notification Assignment

General Description

Use this Memory Block to assign the Call Arrival Key that is used to send Voice Mail message notification to other systems.

System Software S5000 is required.

Display

System Mode

1
Submode
8
Data No.
47
PC Programming
Alt + AV



Programming Procedures

1	Go off-line.	
2	Press LK1 + LK8 + 😩 😩 to access the Memory Block.	
3	Enter Setting Data using the dial pad.	Default Values
	Use the following: ** to move the cursor left ** to move the cursor right ** to move the cursor right ** and to enter numeric data 2-Digit CAR: 10~99 3-Digit CAR: 100~999 4-Digit CAR: 1000~9999 Hold to clear all data when cursor is at setting position	Not Specified
4	Press Transfer to write the data. Memory Block 1-1-00 is displayed.	
5	Press Speaker to go back on-line.	

M.B. Number	Memory Block Name	
1-1-46,47	Access Code (1-Digit, 2-Digit) Assignment	
1-2-03	2-, 3-, or 4-Digit Station number selection	
1-2-04	Call Arrival Key Block Assignment	
4-10	Station Number Assignment	

Automatic Daylight Saving Time Selection

General Description

Use this Memory Block to allow (YS) or deny (NO) the system clock adjustment for Daylight Saving Time.

System Software S6000 or higher is required.

Display



System Mode 1 Submode 8 Data No. 48 PC Programming Att +BM

Settings

LK 1	LK 2	LK 3	LK 4
YS	NO		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK8 + ② ③ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the setting option.
4	Press Transfer to write the selected data and display Memory Block 1-8-00.
5	Press Speaker To go back on-line.

Related Programming

M.B. Number Memory Block Name		
1-1-27	Automatic Day/Night Mode Switching Time Assignment	
1-1-32 Automatic Day/Night Mode Switching by Day of Week Assignment		



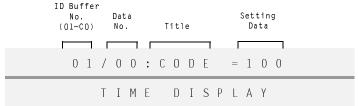
When allow is set in this Memory Block, the system automatically sets the time ahead one hour on the first Sunday in April or sets the time back one hour on the last Sunday in October.

DISA ID Code Assignment

General Description

Use this Memory Block to specify the Direct Inward System Access (DISA) ID Code number.

Display



System Mode 1 Submode 9 Data No. 00 **PC Programming** Alt +BD

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roç	ramming Procedures			
1	Go off-line.			
2	Press LK1 + LK9 to access the Memory Block.			
3	Use the dial pad to enter the data.	Default Values		
	Setting Data:	If DISA ID Code is assigned as 2-digit:		
	2-digit DISA ID Code: 00~99 (00 no data)	ID Buffer Number 01~10 = DISA ID		
	3-digit DISA ID Code: 000~999 (000 no data)	Code 10~19		
	4-digit DISA ID Code: 0000~9999 (0000 no data)	ID Buffer Number 11~20 = DISA ID		
	Use the following to enter data:	Code 20~29, etc.		
	* to move the cursor left	If DISA ID Code is assigned as 3-digit:		
	to move the cursor right	ID Buffer Number 01~C0 = DISA I		
	② ~ ② to enter numeric data	Code 100~219		
	Conf to access the next assigned ID buffer number or cycle back to 1	If DISA ID Code is assigned as 4-digit:		
	Redial +1, 2, 3 = A, B, or C for Port Number	ID Buffer Number 01~10 = DISA ID Code 1000~1009		
	ID Buffer Number:	ID Buffer Number 11~20 = DISA ID		
	01~99	Code 1010~1019, etc.		
	A0~A9	·		
	B0~B9			
	C0			
4	Press Transfer to write the data. Memory Block 1-9-02 is displayed.			
5	Repeat Steps 3 and 4 for each remaining sequential ID Buffer No. displayed after each 1-9-02.	ach password choice is made in Memory		

Related Programming

No related programming is necessary for this Memory Block.



- Assign 000 (No Data) for stations that are not installed or stations that are denied DISA access.
- This Memory Block cycles through ID Buffer Nos. alternating with Memory Block 1-9-02 password specification for each Buffer No.
- The Electra Elite 48 System has only 48 ID Buffers.

DISA Password Effect/Invalid Selection

General Description

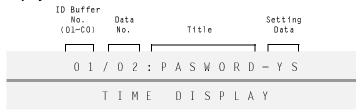
Use this Memory Block to specify whether or not a Direct Inward System Access (DISA) Password is required. When NO is assigned, the calling party can use the DISA feature without a DISA Password.

This Memory Block is automatically displayed after data is written for each ID Buffer No. (01~CO for Electra Elite 192 or 01~48 for Electra Elite 48) in Memory Block 1-9-00. After password selection is entered, the next sequential ID Buffer NO. is displayed on Memory Block 1-9-00. This cycle is repeated until all DISA ID codes are assigned, and then cycles back to ID Buffer No. 1. Programming does not automatically cycle to Memory Block 1-10-00.

System Mode

1
Submode
9
Data No.
02
PC Programming
Alt +BD

Display



Settings

LK 1	LK 2	LK 3	LK 4
NO	YS		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default

Programming Procedures

1	Go off-line.
2	Press LK1 + LK9 + 🎉 💰 to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
	Setting Data:
	NO (LK1) = DISA Password is not required.
	YS (LK2) = DISA Password is required. Assign with MB 1-1-46~48 [Access Code (1-,2-, or 3-Digit) Assignment].
4	press Transfer to write the data and return to the next Memory Block 1-9-00.
5	After last DISA ID Password decision is made, press Transfer to write the data and return to Buffer No. 01 on Memory Block 1-9-00
6	Press Speaker to go back on-line.

Related Programming

Refer to Chapter 2 Guide to Feature Programming.

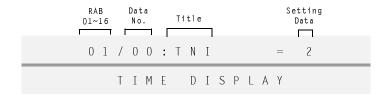
Call by Call Type of Network ID Assignment

General Description

Use this Memory Block to send the Type of Number ID (TNI) for each Route Advance Block (RAB). This setting data is sent in the TNI field of the NSF-IE (Network Specified Facility-Information Element) when making outgoing calls.

System Software S4000 or higher is required.

Display



System Mode

1
Submode
10
Data No.
00
PC Programming
Alt +AY

Programming Procedures

1	Go off-line.		
2	Press LK1 + LK10 to access the Memory Block.		efault Values All RABs 2
3	Enter data using the dial pad. Use * and * to move the cursor. Use * to enter data. Conf to select next RAB No.	Setting Data 0,1 2 3~7	Description Reserved (Not Used) National Network Identification Reserved (Not Used)
4	Press Transfer to write the data. The next Memory Block is displayed.		
5	Program Memory Blocks 1-10-01~09. RAB 2 for this Memory Block is	s displayed.	
6	Repeat steps 3, 4, and 5 for all RABs. After Memory Block 1-10-09 is displayed.	programmed for	r RAB 16, Memory Block 1-10-20 is
7	Program the next Memory Block or press Speaker to go back on-line.		

M.B. Number	Memory Block Name	
3-03	runk-to-Trunk Group Assignment	
1-1-30	Route Advance Block Assignment	
1-1-46, 47, 48	Access Code (1-, 2-, or 3-Digit) Assignment	
1-10-01	Call by Call ID Plan Assignment	
1-10-02	2 Call by Call Type of Number Assignment	
1-10-03	Call by Call Numbering Plan ID Assignment	

Related Programming

M.B. Number	Memory Block Name	
1-10-04	Call by Call Network ID Assignment	
1-10-05	Call by Call Facility Coding Value Assignment (Service)	
1-10-06	Call by Call Facility Coding Value Assignment (Feature)	
1-10-07	Call by Call Service Parameter Assignment	
1-10-08	Call by Call Max Digit Assignment	
1-10-09	Call by Call Simulated Facility Group Assignment	
1-10-20	Call by Call Outgoing SFG Assignment	
1-10-21	Call by Call Outgoing/ Incoming SFG Assignment	
1-10-22	Call by Call Incoming Type Selection	
1-13-03	Call by Call Service Selection	
4-12	Line Key Selection for Telephone Mode	

№ Notes

Call by Call Type of Network ID Assignment (Memory Block 1-10-00) and Call by Call ID Plan Assignment (Memory Block 1-10-01) are sent to the network only when Network ID Assignment is made using Memory Block 1-10-04 (Call by Call Network ID Assignment).

Call by Call ID Plan Assignment

General Description

Use this Memory Block to send the Network ID Plan (NIP) for each Route Advance Block (RAB). This setting data is sent in the NIP field of the NSF-IE (Network Specified Facility-Information Element) when making outgoing calls.

System Software S4000 or higher is required.

Display



System Mode

1
Submode
10
Data No.
01
PC Programming
At +AY

Programming Procedures

1	Go off-line.			
2	Press LK1 + LK10 + (*) to access the Memory Block.		ult Values RABs 01	
3	Enter data using the dial pad. Use * and * to move the cursor. Use * to enter data. Conf to select next RAB No.	Setting Data 00 01 02~15	Meaning Reserved (Not Used) Interexchange Carrier Code Reserved (Not Used)	
4	Press Transfer to write the data. The next Memory Block is displayed.			
5	Program the next Memory Block or press Speaker to go back on-line.			

M.B. Number	Memory Block Name	
3-03	Trunk-to-Trunk Group Assignment	
1-1-30	Route Advance Block Assignment	
1-1-46, 47, 48	ccess Code (1-, 2-, or 3-Digit) Assignment	
1-10-00	Call by Call Type of Network ID Assignment	
1-10-02	Call by Call Type of Number Assignment	
1-10-03	Call by Call Numbering Plan ID Assignment	
1-10-04	Call by Call Network ID Assignment	
1-10-05	Call by Call Facility Coding Value Assignment (Service)	

Related Programming

M.B. Number	Memory Block Name	
1-10-06	Call by Call Facility Coding Value Assignment (Feature)	
1-10-07	Call by Call Service Parameter Assignment	
1-10-08	Call by Call Max Digit Assignment	
1-10-09	Call by Call Simulated Facility Group Assignment	
1-10-20	Call by Call Outgoing SFG Assignment	
1-10-21	Call by Call Outgoing/ Incoming SFG Assignment	
1-10-22	Call by Call Incoming Type Selection	
1-13-03	Call by Call Service Selection	
4-12	Line Key Selection for Telephone Mode	

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Call by Call Type of Network ID Assignment (Memory Block 1-10-00) and ID Plan Assignment (Memory Block 1-10-01) are sent to the network only when Network ID Assignment is made using Memory Block 1-10-04 (Call by Call Network ID Assignment).

Call by Call Type of Number Assignment

General Description

Use this Memory Block to send the Type of Number (TN) for each Route Advance Block (RAB). This setting data is sent in the TN field of the CPN-IE (Called Party Number-Information Element) when making outgoing calls.

System Software S4000 or higher is required.

Display



System Mode

1
Submode
10
Data No.
02
PC Programming
Alt +AY

Programming Procedures

1	Go off-line.		
2	Press LK1 + LK10 + 🎉 🐍 to access the Memory Block.		Default Values All RABs 0
3	Enter data using the dial pad. Use * and * to move the cursor. Use * 2 to enter data. Conf to select next RAB No.	Setting Data 0 1 2 3 4 5~7	Meaning Unknown International Number National Network Specific Number Subscriber (Local number) Not Used
4	Press Transfer to write the data. The next Memory Block is disp	layed.	
5	Program the next Memory Block or press Speaker to go back on	-line.	

M.B. Number	Memory Block Name	
3-03	runk-to-Trunk Group Assignment	
1-1-30	Route Advance Block Assignment	
1-1-46, 47, 48	Access Code (1-, 2-, or 3-Digit) Assignment	
1-10-00	Call by Call Type of Network ID Assignment	
1-10-01	Call by Call ID Plan Assignment	
1-10-03	Call by Call Numbering Plan ID Assignment	
1-10-04	Call by Call Network ID Assignment	

Related Programming

M.B. Number	Memory Block Name	
1-10-05	Call by Call Facility Coding Value Assignment (Service)	
1-10-06	Call by Call Facility Coding Value Assignment (Feature)	
1-10-07	Call by Call Service Parameter Assignment	
1-10-08	Il by Call Max Digit Assignment	
1-10-09	Call by Call Simulated Facility Group Assignment	
1-10-20	0-20 Call by Call Outgoing SFG Assignment	
1-10-21	Call by Call Outgoing/ Incoming SFG Assignment	
1-10-22	Call by Call Incoming Type Selection	
1-13-03	Call by Call Service Selection	
4-12	Line Key Selection for Telephone Mode	

№1 Notes

Call by Call Type of Network ID Assignment (Memory Block 1-10-00) and ID Plan Assignment (Memory Block 1-10-01) are sent to the network only when Network ID Assignment is made using Memory Block 1-10-04 (Call by Call Network ID Assignment).

Call by Call Numbering Plan ID Assignment

General Description

Use this Memory Block to send the Numbering Plan Identification (NPI) for each Route Advance Block (RAB). This setting data is sent in the NPI field of the CPN-IE (Called Party Number-Information Element) when making outgoing calls.

System Software S4000 or higher is required.

Display



System Mode

1
Submode
10
Data No.
03
PC Programming
Alt +AY

Programming Procedures

1	Go off-line.			
2	Press LK1 + LK10 + (*) (3) to access the Memory	Block.	Default Values All RABs 00	
3	Enter data using the dial pad. Use * and * to move the cursor. Use * * * one of the cursor. Use * * one of the cursor. Use * one of the cursor. Conf to select next RAB No.	Setting Data 00 01 02 03 04~08 09 10~15	Description Unknown ISDN/Telephony Numbering Plan Reserved (Not Used) Data Numbering Plan (Future) Not Used Private Numbering Plan Not Used	
4	Press Transfer to write the data. The next Memory Bl	ock is displayed.		
5	Program the next Memory Block or press Speaker to g	o back on-line.		

M.B. Number	Memory Block Name	
3-03	Trunk-to-Trunk Group Assignment	
1-1-30	Route Advance Block Assignment	
1-1-46, 47, 48	ccess Code (1-, 2-, or 3-Digit) Assignment	
1-10-00	Call by Call Type of Network ID Assignment	
1-10-01	Call by Call ID Plan Assignment	
1-10-02	Call by Call Type of Number Assignment	
1-10-04	Call by Call Network ID Assignment	

Related Programming

M.B. Number	Memory Block Name	
1-10-05	Call by Call Facility Coding Value Assignment (Service)	
1-10-06	Call by Call Facility Coding Value Assignment (Feature)	
1-10-07	Call by Call Service Parameter Assignment	
1-10-08	Il by Call Max Digit Assignment	
1-10-09	Call by Call Simulated Facility Group Assignment	
1-10-20	0-20 Call by Call Outgoing SFG Assignment	
1-10-21	Call by Call Outgoing/ Incoming SFG Assignment	
1-10-22	Call by Call Incoming Type Selection	
1-13-03	Call by Call Service Selection	
4-12	Line Key Selection for Telephone Mode	

№1 Notes

Call by Call Type of Network ID Assignment (Memory Block 1-10-00) and ID Plan Assignment (Memory Block 1-10-01) are sent to the network only when Network ID Assignment is made using Memory Block 1-10-04 (Call by Call Network ID Assignment).

Call by Call Network ID Assignment

General Description

Use this Memory Block to send the Network Identification (NID) for each Route Advance Block (RAB). This setting data is sent in the NID field of the CIC-IE (Carrier Identification Code-Information Element) when making outgoing calls.

System Software S4000 or higher is required.

Display



System Mode

1
Submode
10
Data No.
04
PC Programming
Alt +AY

Programming Procedures

1	Go off-line.		
2	Press LK1 + LK10 + * (2m) to access the Memory Block.	Default Values All RABs Unspecified	
3	Enter three or four digit data using the dial pad. Use * and * to move the cursor. Use * to enter data. Conf to select next RAB No. Hold to clear Setting Data.		
4	Press Transfer to write the data. The next Memory Block is displayed.		
5	Program the next Memory Block or press Speaker to go back on-line.		

M.B. Number	Memory Block Name
3-03	Trunk-to-Trunk Group Assignment
1-1-30	Route Advance Block Assignment
1-1-46, 47, 48	Access Code (1-, 2-, or 3-Digit) Assignment
1-10-00	Call by Call Type of Network ID Assignment
1-10-01	Call by Call ID Plan Assignment
1-10-02	Call by Call Type of Number Assignment
1-10-03	Call by Call Numbering Plan ID Assignment
1-10-05	Call by Call Facility Coding Value Assignment (Service)

Related Programming

M.B. Number	Memory Block Name
1-10-06	Call by Call Facility Coding Value Assignment (Feature)
1-10-07	Call by Call Service Parameter Assignment
1-10-08	Call by Call Max Digit Assignment
1-10-09	Call by Call Simulated Facility Group Assignment
1-10-20	Call by Call Outgoing SFG Assignment
1-10-21	Call by Call Outgoing/ Incoming SFG Assignment
1-10-22	Call by Call Incoming Type Selection
1-13-03	Call by Call Service Selection
4-12	Line Key Selection for Telephone Mode

Notes L

Call by Call Type of Network ID Assignment (Memory Block 1-10-00) and ID Plan Assignment (Memory Block 1-10-01) are sent to the network only when Network ID Assignment is made using Memory Block 1-10-04 (Call by Call Network ID Assignment).

2. A three- or four-digit code is used to specify the setting data.

Call by Call Facility Coding Value Assignment (Service)

General Description

Use this Memory Block to specify the Facility Coding Value (Service) for each Route Advance Block (RAB). This setting data is sent in the FCV-S field of the NSF-IE (Network Specific Facility Code-Information Element) when making outgoing calls.

System Software \$4000 or higher is required.

Display



System Mode

1
Submode
10
Data No.
05
PC Programming

Alt +AY

Programming Procedures

2	Press LK1 + LK10 + * 5 to access the	Memory Block.	Default Values
			All RABs 00 (None)
3	Enter three or four digit data using the dial p	ad.	
	Use * and # to move the cursor.		
	Use (Pres) ~ (Pres) to enter data.		
	Conf to select next RAB No.		
	to solder next to the tro.		
	PRT ETU SW1		
	Setting	Setting Data	Description
	5500 (1)	00	Non-CBC Route Advance block (None)
	5ESS (Lucent) 8 4ESS (AT&T)	01 02	SDN (Software Defined Network) MEGACOM800
	4E33 (A1&1)	03	MEGACOM
		06	ACCUNET (Future)
		08	International 800
		16	AT&T MultiQuest (900 Service)
	NI-2	17	INWATS
	(Nortel)	18	OUTWATS
		19	Foreign Exchange (FX)
		20	Tie Trunk (TIE)
	DMS100	01	Private
	(Nortel)	02	INWATS
		03	OUTWATS
		04	Foreign Exchange (FX)
		05	Tie Trunk (TIE)

Related Programming

M.B. Number	Memory Block Name
3-03	Trunk-to-Trunk Group Assignment
1-1-30	Route Advance Block Assignment
1-1-46, 47, 48	Access Code (1-, 2-, or 3-Digit) Assignment
1-10-00	Call by Call Type of Network ID Assignment
1-10-01	Call by Call ID Plan Assignment
1-10-02	Call by Call Type of Number Assignment
1-10-03	Call by Call Numbering Plan ID Assignment
1-10-04	Call by Call Network ID Assignment
1-10-06	Call by Call Facility Coding Value Assignment (Feature)
1-10-07	Call by Call Service Parameter Assignment
1-10-08	Call by Call Max Digit Assignment
1-10-09	Call by Call Simulated Facility Group Assignment
1-10-20	Call by Call Outgoing SFG Assignment
1-10-21	Call by Call Outgoing/ Incoming SFG Assignment
1-10-22	Call by Call Incoming Type Selection
1-13-03	Call by Call Service Selection
4-12	Line Key Selection for Telephone Mode

№1 Notes

SW1 is a 4-position DIP switch on the PRT(1)-U10/20 ETU that is used to select the desired application.

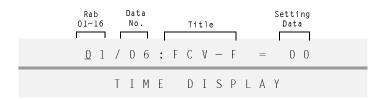
Call by Call Facility Coding Value Assignment (Feature)

General Description

Use this Memory Block to specify the Facility Coding Value (Feature) for each Route Advance Block (RAB). This setting data is sent in the FCV-F field of the NSF-IE (Network Specific Facility Code-Information Element) when making outgoing calls.

System Software S4000 or higher is required.

Display



System Mode 1 Submode 10 Data No. 06 PC Programming

Alt +AY

Programming Procedures

1	Go off-line.			
2	Press LK1 + LK10 + * 6 to acc	ess the Memory Bloo	ck.	Default Values All RABs 00
3	Enter three or four digit data using t	he dial pad.		
	Use * and # to move the curs	or.		
	Use 💯 ~ 💯 to enter data.			
	Conf to select next RAB No.			
		PRT ETU SW1		
		Setting	Setting Data 00 01~04	Description Non-CBC Route Advance Block (None) Reserved (Not Used)
		5ESS (AT&T) 5ESS (AT&T)	05 06	Operator (Local Exchange) Operator (Default-Common Carrier)
			07~31	Reserved (Not Used)
4	Press Transfer to write the data. The	next Memory Block	is displayed.	
5	Program the next Memory Block or	press Speaker to go b	ack on-line.	

M.B. Number	Memory Block Name
3-03	Trunk-to-Trunk Group Assignment
1-1-30	Route Advance Block Assignment

Related Programming

M.B. Number	Memory Block Name
1-1-46, 47, 48	Access Code (1-, 2-, or 3-Digit) Assignment
1-10-00	Call by Call Type of Network ID Assignment
1-10-01	Call by Call ID Plan Assignment
1-10-02	Call by Call Type of Number Assignment
1-10-03	Call by Call Numbering Plan ID Assignment
1-10-04	Call by Call Network ID Assignment
1-10-05	Call by Call Facility Coding Value Assignment (Service)
1-10-07	Call by Call Service Parameter Assignment
1-10-08	Call by Call Max Digit Assignment
1-10-09	Call by Call Simulated Facility Group Assignment
1-10-20	Call by Call Outgoing SFG Assignment
1-10-21	Call by Call Outgoing/ Incoming SFG Assignment
1-10-22	Call by Call Incoming Type Selection
1-13-03	Call by Call Service Selection
4-12	Line Key Selection for Telephone Mode

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$\mathscr{L}_{\mathbb{D}}$	Notes	L

SW1 is a 4-position DIP switch on the PRT(1)-U10/20 ETU that is used to select the desired application.

Call by Call Service Parameter Assignment

General Description

Use this Memory Block to specify the Service Parameters for each Route Advance Block (RAB). This setting data is sent to the Service Parameters in the NSF-IE (Network Specific Facility Code-Information Element) when making outgoing calls. Service Parameter Assignment is an Identification Number that is assigned when subscribing with the carrier for the different services.

System Software S4000 or higher is required.

Display



System Mode

1
Submode
10
Data No.

07

PC Programming

Alt +AY

Programming Procedures

1	Go off-line.
2	Press LK1 + LK10 + 💰 🐍 to access the Memory Block. Default Values
	All RABs 0-000
3	Enter 1~5 digits for Setting Data using the dial pad.
	Use ☀ and ⊕ to move the cursor.
	Use 🔑 ~ 😲 to enter data.
	Conf to select next RAB No.
	Setting Data No. 1 = 0 or 1 for each entry
	Setting Data No. 2 = Three-digit code 000~127 for each entry
4	Press Transfer to write the data. Digit 2 is displayed.
5	Repeat Steps 3 and 4 for each remaining digit for RAB 1. The next Memory Block is displayed.
6	Program the next Memory Block or press Speaker to go back on-line.

M.B. Number	Memory Block Name
3-03	Trunk-to-Trunk Group Assignment
1-1-30	Route Advance Block Assignment
1-1-46, 47, 48	Access Code (1-, 2-, or 3-Digit) Assignment
1-10-00	Call by Call Type of Network ID Assignment
1-10-01	Call by Call ID Plan Assignment
1-10-02	Call by Call Type of Number Assignment

Related Programming

M.B. Number	Memory Block Name
1-10-03	Call by Call Numbering Plan ID Assignment
1-10-04	Call by Call Network ID Assignment
1-10-05	Call by Call Facility Coding Value Assignment (Service)
1-10-06	Call by Call Facility Coding Value Assignment (Feature)
1-10-08	Call by Call Max Digit Assignment
1-10-09	Call by Call Simulated Facility Group Assignment
1-10-20	Call by Call Outgoing SFG Assignment
1-10-21	Call by Call Outgoing/ Incoming SFG Assignment
1-10-22	Call by Call Incoming Type Selection
1-13-03	Call by Call Service Selection
4-12	Line Key Selection for Telephone Mode

€ n	Notes	€ n

The Service Parameter is provided by the ISDN Service Provider.

Call by Call Max Digit Assignment

General Description

Use this Memory Block to specify the maximum digits dialed for each Route Advance Block (RAB). When the maximum digits are dialed, the PRT(1)-U10/20 ETU sends SETUP information to the ISDN Provider (Network).

System Software S4000 or higher is required.

Display



System Mode

1
Submode
10
Data No.
08
PC Programming
Alt +AY

Programming Procedures

1	Go off-line.			
2	Press LK1 + LK10 + 🎉 🐍 to access the Memory Block. Default Values		ies	
		All RABs	00 (No Limit)	
3	Enter data using the dial pad.			
	Use ☀ and ☀ to move the cursor.			
	Use (9) ~ (9) to enter data.			
	Conf to select next RAB No.			
	Setting Data = 00 (No Limit)			
	= 01~24 digits			
4	Press Transfer to write the data. The next Memory Block is displayed.			
5	Program the next Memory Block or press Speaker to go back on-line.			

M.B. Number	Memory Block Name	
3-03	Frunk-to-Trunk Group Assignment	
1-1-30	Route Advance Block Assignment	
1-1-46, 47, 48	Access Code (1-, 2-, or 3-Digit) Assignment	
1-10-00	Call by Call Type of Network ID Assignment	
1-10-01	Call by Call ID Plan Assignment	
1-10-02	Call by Call Type of Number Assignment	
1-10-03	Call by Call Numbering Plan ID Assignment	
1-10-04	Call by Call Network ID Assignment	

M.B. Number	Memory Block Name
1-10-05	Call by Call Facility Coding Value Assignment (Service)
1-10-06	Call by Call Facility Coding Value Assignment (Feature)
1-10-07	Call by Call Service Parameter Assignment
1-10-09	Call by Call Simulated Facility Group Assignment
1-10-20	Call by Call Outgoing SFG Assignment
1-10-21	Call by Call Outgoing/ Incoming SFG Assignment
1-10-22	Call by Call Incoming Type Selection
1-13-03	Call by Call Service Selection
4-12	Line Key Selection for Telephone Mode

Call by Call Simulated Facility Group Assignment

General Description

Use this Memory Block to specify the Simulated Facility Group (SFG) for each Route Advance Block (RAB).

System Software S4000 or higher is required.

Display



System Mode

1
Submode
10
Data No.
09
PC Programming
Alt +AY

Programming Procedures

1	Go off-line.
2	Press LK1 + LK10 + 🏵 😩 to access the Memory Block. Default Values
	All RABs 00
3	Enter data using the dial pad.
	Use ☀ and ⊕ to move the cursor.
	Use 🚇 ~ 🖁 to enter data.
	Conf to select next RAB No.
	Setting Data = 00 (Not Specified) = 01~16
4	Press Transfer to write the data. The next RAB for Memory Block 1-10-00 is displayed. After data for RAB 16 is entered, SFG 1 for Memory Block 1-10-20 is displayed.
5	Program Memory Block 1-10-20 or press Speaker to go back on-line.

M.B. Number	Memory Block Name	
3-03	Trunk-to-Trunk Group Assignment	
1-1-30	Route Advance Block Assignment	
1-1-46, 47, 48	Access Code (1-, 2-, or 3-Digit) Assignment	
1-10-00	Call by Call Type of Network ID Assignment	
1-10-01	Call by Call ID Plan Assignment	
1-10-02	Call by Call Type of Number Assignment	
1-10-03	Call by Call Numbering Plan ID Assignment	
1-10-04	Call by Call Network ID Assignment	

Related Programming

M.B. Number	Memory Block Name
1-10-05	Call by Call Facility Coding Value Assignment (Service)
1-10-06	Call by Call Facility Coding Value Assignment (Feature)
1-10-07	Call by Call Service Parameter Assignment
1-10-08	Call by Call Max Digit Assignment
1-10-20	Call by Call Outgoing SFG Assignment
1-10-21	Call by Call Outgoing/Incoming SFG Assignment
1-10-22	Call by Call Incoming Type Selection
1-13-03	Call by Call Service Selection
4-12	Line Key Selection for Telephone Mode

$\mathbb{Z}_{\mathbb{D}}$	Notes	L D

This Memory Block specifies which RAB is linked to an SFG.

Call by Call Outgoing SFG Assignment

General Description

Use this Memory Block to specify the outgoing call service assignment for the Simulated Facility Group (SFG).

System Software S4000 or higher is required.

Display



System Mode

1
Submode
10
Data No.
20
PC Programming
Att +AY

Programming Procedures

1	Go off-line.
2	Press LK1 + LK10 + 🎉 🎉 😩 🚇 to access the Memory Block. All SFGs 99
3	Enter data using the dial pad. Use * and * to move the cursor.
	Use onter data.
	Setting Data = 01~16 for Electra Elite 48 = 01~64 for Electra Elite 192 = 99 (Not Specified)
4	Press Transfer to write the data. The next Memory Block is displayed.
5	Program Memory Blocks 1-10-21 and 1-10-22. The next SFG is displayed.
6	Repeat Steps 3, 4, and 5 for each SFG. After SFG 16 data is programmed, RAB 1 of Memory Block 1-10-00 is displayed.
7	Program the cycle again or press peaker to go back on-line.

M.B. Number	Memory Block Name	
3-03	runk-to-Trunk Group Assignment	
1-1-30	Route Advance Block Assignment	
1-1-46, 47, 48	Access Code (1-, 2-, or 3-Digit) Assignment	
1-10-00	Call by Call Type of Network ID Assignment	
1-10-01	Call by Call ID Plan Assignment	
1-10-02	Call by Call Type of Number Assignment	

M.B. Number	Memory Block Name
1-10-03	Call by Call Numbering Plan ID Assignment
1-10-04	Call by Call Network ID Assignment
1-10-05	Call by Call Facility Coding Value Assignment (Service)
1-10-06	Call by Call Facility Coding Value Assignment (Feature)
1-10-07	Call by Call Service Parameter Assignment
1-10-08	Call by Call Max Digit Assignment
1-10-09	Call by Call Simulated Facility Group Assignment
1-10-21	Call by Call Outgoing/ Incoming SFG Assignment
1-10-22	Call by Call Incoming Type Selection
1-13-03	Call by Call Service Selection
4-12	Line Key Selection for Telephone Mode

Call by Call Outgoing/Incoming SFG Assignment

General Description

Use this Memory Block to specify the outgoing/incoming call service assignment for the Simulated Facility Group (SFG).

System Software S4000 or higher is required.

Display



System Mode

1
Submode
10
Data No.
21
PC Programming
Alt +AY

Programming Procedures

1	Go off-line.		
2	Press LK1 + LK10 + * * * * * to access the Memory Block.	Default Values	s 99
3	Enter three or four digit data using the dial pad. Use * and # to move the cursor. Use * to enter data. Conf to select next SFG No. Setting Data = 01~16 for Electra Elite 48 = 01~64 for Electra Elite 192 = 99 (Not Specified)		
4	Press Transfer to write the data. The next Memory Block is displayed.		
5	Program the next Memory Block or press Speaker to go back on-line.		

M.B. Number	Memory Block Name	
3-03	Trunk-to-Trunk Group Assignment	
1-1-30	Route Advance Block Assignment	
1-1-46, 47, 48	cess Code (1-, 2-, or 3-Digit) Assignment	
1-10-00	all by Call Type of Network ID Assignment	
1-10-01	Call by Call ID Plan Assignment	
1-10-02	Call by Call Type of Number Assignment	
1-10-03	Call by Call Numbering Plan ID Assignment	

M.B. Number	Memory Block Name	
1-10-04	Call by Call Network ID Assignment	
1-10-05	Call by Call Facility Coding Value Assignment (Service)	
1-10-06	Call by Call Facility Coding Value Assignment (Feature)	
1-10-07	by Call Service Parameter Assignment	
1-10-08	all by Call Max Digit Assignment	
1-10-09	Call by Call Simulated Facility Group Assignment	
1-10-20	Call by Call Outgoing SFG Assignment	
1-10-22	Call by Call Incoming Type Selection	
1-13-03	Call by Call Service Selection	
4-12	Line Key Selection for Telephone Mode	

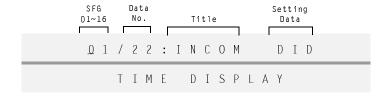
Call by Call Incoming Type Selection

General Description

Use this Memory Block to specify the type of trunk for each Simulated Facility Group (SFG).

System Software S4000 or higher is required.

Display



System Mode

1
Submode
10
Data No.
22
PC Programming
Alt +AY

Settings

LK 1	LK 2	LK 3	LK 4
CO	DID		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK10 + * *
3	Press corresponding. Use * and * to move the cursor. Cont to select next RAB No.
4	Press Transfer to write the data. The next SFG for Memory Block 1-10-20 is displayed. The SFG Memory Block 1-10-20~22 cycle is repeated until the data for SFG 16 is entered. RAB 1 is displayed for Memory Block 1-10-00.
5	Press (Speaker) to go back on-line.

M.B. Number	Memory Block Name	
3-03	Trunk-to-Trunk Group Assignment	
1-1-30	Route Advance Block Assignment	
1-1-46, 47, 48	Access Code (1-, 2-, or 3-Digit) Assignment	
1-10-00	all by Call Type of Network ID Assignment	
1-10-01	Call by Call ID Plan Assignment	
1-10-02	Call by Call Type of Number Assignment	
1-10-03	Call by Call Numbering Plan ID Assignment	
1-10-04	Call by Call Network ID Assignment	

Related Programming

M.B. Number	Memory Block Name	
1-10-04	Call by Call Network ID Assignment	
1-10-05	Call by Call Facility Coding Value Assignment (Service)	
1-10-06	Call by Call Facility Coding Value Assignment (Feature)	
1-10-07	Ill by Call Service Parameter Assignment	
1-10-08	Call by Call Max Digit Assignment	
1-10-09	Call by Call Simulated Facility Group Assignment	
1-10-20	Call by Call Outgoing SFG Assignment	
1-10-21	Call by Call Outgoing/Incoming SFG Assignment	
1-13-03	Call by Call Service Selection	

\mathscr{L}_{1}	Notes	£ 1
<i>J</i> €])	Notes	<i>₩</i> =_1)

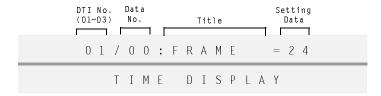
When DID selection is made for an SFG, Refer to Chapter 2 Guide to Feature Programming, for correct routing of calls for Direct Inward Dialing.

T1 Signal Format Selection

General Description

Use this Memory Block to specify the signal format of the T1 trunk connected to the system. The signal format used (12- or 24-Multiframe) depends on the channel service unit/ demarcation (CSU/D mark) equipment being used.

Display



System Mode 1 Submode 11 Data No. 00 **PC Programming** Alt +AD

Settings

LK 1	LK 2	LK 3	LK 4
12 (SF)	24 (ESF)		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

•	
1	Go off-line.
2	Press LK1 + LK11 to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
	SF = Superframe Format (12-Multiframe) ESF = Extended Superframe Format (24-Multiframe)
4	Press Transfer to write the data. The next Memory Block is displayed.
5	Program the next Memory Block or press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
7-1	Card Interface Slot Assignment

Notes

The DTI-U10/20 ETU must be assigned in the system to set this Memory Block.

L

Clear Channel Selection

General Description

Use this Memory Block to specify the clear channel selection, when the Zero Byte Time channel is available, the CLKG-U10 Unit cannot extract a clock signal from the T1 trunk. The T1 trunk modifies the Zero Byte Time channel to extract a clock signal for the CLKG-U10 Unit.

Display



System Mode 1 Submode 11 Data No. 01 PC Programming Alt +AD

Settings

LK 1	LK 2	LK 3	LK 4
ZCS	B8ZS		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK11 + 🔑 🕚 to access the Memory Block.	
3	Press the corresponding CO/PBX line key to change the data option.	
4	Press Transfer to write the data. The next Memory Block is displayed.	
5	Program the next Memory Block or press Speaker to go back on-line.	

Related Programming

M.B. Number	Memory Block Name	
7-1	Card Interface Slot Assignment	



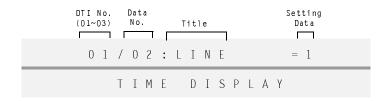
The DTI-U10/20 ETU must be assigned in the system to set this Memory Block.

Line Length Selection

General Description

Use this Memory Block to specify the distance, in feet, between the channel service unit/demarcation (CSU/D mark) and the DTI-U10/20 ETU. This specifies the equalization values of the detect signal in the DTI-U10/20 ETU.

Display



System Mode 1 Submode 11 Data No. 02 PC Programming Alt +AD

Settings

LK 1	LK 2	LK 3	LK 4
1 (0 - 131)	2 (132 - 262)	3 (263 - 393)	4 (394 - 524
LK 5	LK 6	LK 7	LK 8
5 (525 - 655)			

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK1 + LK11 + (1) (2) to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option.

Line Key	LCD Indication	Description
LK 1	1	0~131 feet
LK 2	2	132~262 feet
LK 3	3	263~393 feet
LK 4	4	394~524 feet
LK 5	5	525~655 feet

- 4 Press Transfer to write the data. The next Memory Block is displayed.
- 5 Program the next Memory Block or press Speaker to go back on-line.

M.B. Number	Memory Block Name	
7-1	Card Interface Slot Assignment	

L	Notes	L D
The DTI-U10/20 ETU must be assigned in	Block.	

T1 Channel Selection

General Description

Use this Memory Block to specify the digital trunk interface (DTI) channel numbers to be used. DTI Trunks 1 and 2 have a maximum of 24 channels, and DTI Trunk 3 has a maximum of 16 channels.

Display



System Mode

1
Submode
11
Data No.
05
PC Programming

Alt +AD

Programming Procedures

- 1 Go off-line.
- Press LK1 + LK11 + 🔑 🏂 to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to select DTI channel number. Channel Numbers (01~24) correspond to CO/PBX line key.

CO/PBX	Channel No.			
Line Key	DTI No. 1	DTI No. 2	DTI No.	Page
01~08	01~08	25~32	49~56	1
09~16	09~16	33~40	57~64	2
17~24	17~24	41~48	N/A	3

CO/PBX Line LED	Off	On
Data	No (Not Assigned)	Yes (Assigned)

The shaded selection is the default.

Default Values

DTI No. 1 Channels 01~24 = Off DTI No. 2 Channels 25~48 = Off DTI No. 3 Channels 49~64 = Off

Recall to go to the next page.

- 4 Press Transfer to write the data. The next Memory Block is displayed.
- 5 Program the next Memory Block or press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
7-1	Card Interface Slot Assignment

Notes Notes

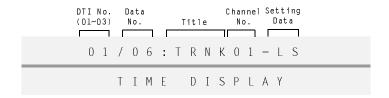
- 1. The DTI-U10/20 ETU must be assigned in the system to set this Memory Block.
- 2. The Electra Elite 48 system has a maximum of 16 DTI channels.

Signaling Selection

General Description

Use this Memory Block to specify Loop Start (LS) or Ground Start (GS) Trunk Signaling when using T1.

Display



System Mode

1
Submode
11
Data No.
06
PC Programming
Alt +AD

Settings

LK 1	LK 2	LK 3	LK 4
LS	GS		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK11 + 4 to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press Transfer to write data and advance to the next Channel No.
5	Repeat Steps 3 and 4 for each Channel No. The next Memory Block is displayed.
6	Program the next Memory Block or press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-11-07	DTI Trunk Type Assignment
7-1	Card Interface Slot Assignment



The DTI-U10/20 ETU must be assigned in the system to set this Memory Block.

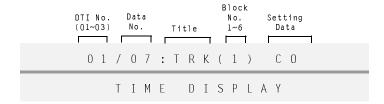
DTI Trunk Type Assignment

General Description

Use this Memory Block to assign the trunk type (CO/E&M Tie line/DID/ANI) four channels at a time. Assignment to an individual channel is impossible.

System Software S4500 or higher is required for ANI.

Display



System Mode

1
Submode
11
Data No.
07
PC Programming
Att + AD

Settings

LK 1	LK 2	LK 3	LK 4
CO	E&M	DID	ANI
LK 6	LK 7	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.
2	Press I K1 + I K11 + (2) (3) to access the Memory Block

3 Press the corresponding CO/PBX line key to change the data option.

Block	4-	Channel U	nit
No.	DTI No. 1	DTI No. 2	DTI No. 3
1	01~04	25~28	49~52
2	05~08	29~32	53~56
3	09~12	33~36	57~60
4	13~16	37~40	61~64
5	17~20	41~44	N/A
6	21~24	45~48	N/A

■ Use dial pad keys to change DTI Number (01~03).

- 4 Press Transfer to write the data. The next Memory Block is displayed.
- 5 Program the next Memory Block or press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-11-06	Signaling Selection
7-1	Card Interface Slot Assignment

∠ Notes

- 1. A DTI-U10/20 ETU must be assigned in the system to set this Memory Block.
- 2. When the default setting is changed to E&M or DID, the affected trunks are automatically reassigned to Trunk Group 00. When trunks 01 ~ 08 are affected, default line key assignment for all Multiline Terminals changes to Not Used and must also be reassigned.

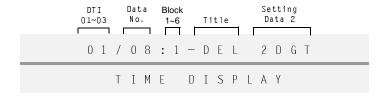
Digits Delete for T1 ANI Assignment

General Description

Use this Memory Block to delete the Information Digits received from the Network on Feature Group D Trunks.

System Software S4500 or higher is required.

Display



System Mode

1
Submode
11
Data No.
08
PC Programming
AR + AD

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK11 + ② ③ to access the Memory Block.	Default Values
		2

- 3 Use the dial pad to enter Setting Data 1 and Setting Data 2.
 - Use * to move the cursor left
 - Use # to move the cursor right.
 - Use (P) ~ (9) to enter data.

Setting Data 1

Block	4-Channel Unit			
No.	DTI No. 1	DTI No. 2	DTI No. 3	
1	01~04	25~28	49~52	
2	05~08	29~32	53~56	
3	09~12	33~36	57~60	
4	13~16	37~40	61~64	
5	17~20	41~44	N/A	
6	21~24	45~48	N/A	

Setting Data 2 Meaning
0 No Delete
1~9 No. of Digits to Delete

- Use dial pad keys to change DTI Number (01~03).
- 4 Press Transfer to write the data. Memory Block 1-11-00 is displayed.
- 5 Program Memory Block 1-11-00 again or press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
7-1	Card interface Slot Assignment
1-11-05	T1 Channel Selection
1-11-07	DTI Trunk Type Assignment

Example of ANI information: KP009727517645STKP7100ST.

00 Information digits

9727517645 ANI information

7100 DNIS Digits

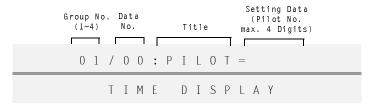
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ACD/UCD Group Pilot Number Assignment

General Description

Use this Memory Block to specify the Pilot Number of an Automatic Call Distribution/Uniform Call Distribution (ACD/UCD) Group where incoming calls are terminated.

Display



System Mode

1
Submode
12
Data No.
00
PC Programming
Alt + AA

Programming Procedures

1	Go off-line.		
2	Press LK1 + LK12 to access the Memory Block.		
3	Enter data using the dial pad. Default Values		
	Use the following to enter data: Not Specified		
	* to move the cursor left		
	# to move the cursor right		
	(Per) ~ (Per) to enter numeric data		
	Pilot No. 2-digit (00~99)		
	3-digit (000~999)		
	4-digit (0000~9999)		
4	Press Transfer to write the data. The next Memory Block is displayed.		
5	Program Memory Block 1-12-01 and 1-12-02. The next Group No. is displayed.		
6	Repeat Steps 3, 4, and 5 for each Group No. After Group 4 is programmed, Group 1 for Memory Block 1-12-00 is displayed.		
7	Press Speaker to go back on-line.		

Related Programming

M.B. Number	Memory Block Name	
1-1-46	ccess Code (1-Digit) Assignment	
1-1-47	cess Code (2-Digit) Assignment	
1-1-48	ccess Code (3-Digit) Assignment	
1-2-03	2-, 3-, 4-Digit Station Number Selection	
1-8-25	ACD/UCD Group Agent Assignment	
1-12-01	ACD/UCD Group Overflow Destination Assignment	

Notes 🖾

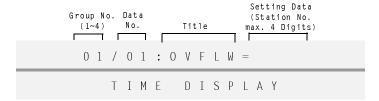
ACD is not supported in the Electra Elite 48 system.

ACD/UCD Group Overflow Destination Assignment

General Description

Use this Memory Block to specify the station or Station Hunt group where the overflow call of each Automatic Call Distribution/Uniform Call Distribution (ACD/UCD) group is routed when incoming calls overflow.

Display



System Mode

1
Submode
12
Data No.
01
PC Programming

Att +AA

Programming Procedures

1	Go off-line.		
2	Press LK1 + LK12 + 🌸 🗇 to access the Memory Block.		
3	Enter data using the dial pad. Default Values		
	The following are used when entering data: Not Specified		
	* to move the cursor left		
	# to move the cursor right		
	(g) ~ (g) to enter numeric data		
	Setting Data:		
	Station No. (00~99)		
	2-digit (00~99)		
	3-digit (000~999)		
	4-digit (0000~9999)		
4	Press Transfer to write the data. The next Memory Block is displayed.		
5	Program the next Memory Block or press Speaker to go back on-line.		

M.B. Number	Memory Block Name	
1-1-46	Access Code (1-Digit) Assignment	
1-1-47	ccess Code (2-Digit) Assignment	
1-1-48	Access Code (3-Digit) Assignment	
1-2-03	2-, 3-, 4-Digit Station Number Selection	
1-8-25	ACD/UCD Group Agent Assignment	

Notes 🖾

1. An ACD/UCD Group Pilot Number cannot be programmed as the overflow destination.

- 2. UCD and ACD cannot be installed in the same system.
- 3. ACD is **not** supported in the Electra Elite 48 system.

ACD/UCD Overflow Time Selection

General Description

Use this Memory Block to specify the maximum time a waiting Automatic Call Distribution/ Uniform Call Distribution (ACD/UCD) call remains at an ACD/UCD group before overflowing to a specified Station or Station Hunt group.

Display



System Mode 1 Submode 12 Data No. 02 PC Programming Alt +AA

Settings

LK 1	LK 2	LK 3	LK 4
8	10	20	30
LK 5	LK 6	LK 7	LK 8
60	120	180	240

The shaded selection is the default. Times are in seconds.

Programming Procedures

•	
1	Go off-line.
2	Press LK1 + LK12 + * (2) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press Transfer to write the data. The next Group No. for Memory Block 1-12-00 is displayed.
5	Program Memory Blocks 1-12-00~02 for each Group No. After Group No. 4 is programmed, Group No. 1 for Memory Block 1-12-00 is displayed again.
6	Press Speaker to go back on-line.

M.B. Number	Memory Block Name	
1-1-46	Access Code (1-Digit) Assignment	
1-1-47	ccess Code (2-Digit) Assignment	
1-1-48	Access Code (3-Digit) Assignment	
1-2-03	2-, 3-, 4-Digit Station Number Selection	
1-8-25	ACD/UCD Group Agent Assignment	
1-12-01	ACD/UCD Group Overflow Destination Assignment	

№ Notes

1. An ACD/UCD Group Pilot Number cannot be programmed as the overflow destination.

2. ACD is **not** supported in the Electra Elite 48 system.

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PRT Channel Assignment

General Description

Use this Memory Block to assign the available B channels used for PRI.

System Software S3000 Version 3.01 or higher is required.

Display



System Mode 1 Submode 13 Data No. 00 PC Programming Alt +AN

Settings

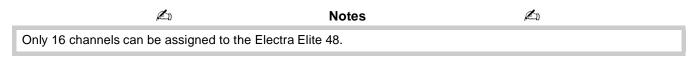
LK 1	LK 2	LK 3	LK 4
0	4	8	12
LK 5	LK 6	LK 7	LK 8
16	20	24	

The shaded selection is the default.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK13 to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the Setting Data option.
4	Press Transfer to write the data. The next Memory Block is displayed.
5	Program the next Memory Block or press Speaker to go back on-line.

M.B. Number	Memory Block Name	
1-13-01	RT Signal Format Selection	
1-13-02	Clear Channel Selection	



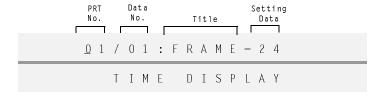
PRT Signal Format Selection

General Description

Use this Memory Block to specify the signal format of the PRT trunk connected to the system. The signal format used (12- or 24-Multiframe) depends on the channel service unit/demarcation (CSU/D mark) equipment being used.

System Software S3000 Version 3.01 or higher is required.

Display



System Mode

1
Submode
13
Data No.
01
PC Programming
Alt +AN

Settings

LK 1	LK 2	LK 3	LK 4
12 (SF)	24 (ESF)		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK13 + # (*) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press Transfer to write the data. The next Memory Block2 is displayed.
5	Program the next Memory Block2 or press Speaker to go back on-line.

M.B. Number	Memory Block Name	
1-13-00	PRT Channel Assignment	
1-13-02	3-02 Clear Channel Selection	

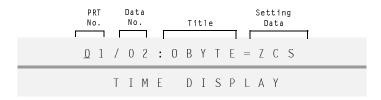
Clear Channel Selection

General Description

Use this Memory Block to specify the clear channel selection. When the Zero Byte Time channel is available, the CLKG-U10 Unit cannot extract a clock signal from the PRT trunk. The PRT trunk modifies the Zero Byte Time channel to extract a clock signal for the CLKG-U10 Unit.

System Software S3000 Version 3.01 or higher is required.

Display



System Mode

1
Submode
13
Data No.
02
PC Programming

Alt +AN

Settings

LK 1	LK 2	LK 3	LK 4
ZCS	B8ZS		
LK 5	LK 6	LK 7	LK 8
LICO	LN 0	LN /	LNO

The shaded selection is the default.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK13 + #
3	Press the corresponding CO/PBX line key to change the data option.
4	Press Transfer to write the data. The next Memory Block is displayed.
5	Program the next Memory Block or press Speaker to go back on-line.

M.B. Number	Memory Block Name	
1-13-00	PRT Channel Assignment	
1-13-01	PRT Signal Format Selection	

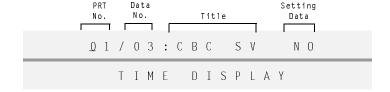
Call by Call Service Selection

General Description

Use this Memory Block to specify whether or not Call by Call Service is activated per PRT.

System Software \$4000 or higher is required.

Display



System Mode 1 Submode 13 Data No. 03 PC Programming Alt + AN

Settings

LK 1	LK 2	LK 3	LK 4
YS	NO		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK13 + # 3 to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press Transfer to write the data. Memory Block 1-13-00 is displayed again.
5	Press Speaker to go back on-line.

M.B. Number	Memory Block Name	
1-13-00	PRT Channel Assignment	
1-13-02	Clear Channel Selection	

ARS Allow/Deny Selection

General Description

Use this Memory Block to specify system wide whether or not Automatic Route Selection (ARS) is allowed.

System Software S4000 or higher is required.

Display



System Mode

1
Submode
14
Data No.
00
PC Programming
Alt +AB

Settings

LK 1	LK 2	LK 3	LK 4
NO (Deny)	YES (Allow)		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK14 to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the Setting Data option.
4	Press Transfer to write the data. The next Memory Block is displayed.
5	Program the next Memory Block or press Speaker to go back on-line.

M.B. Number	Memory Block Name	
3-03	Trunk-to-Trunk Group Assignment	
4-40	_CR Class Selection	
1-1-30	Route Advance Block Assignment	
1-8-08	Class of Service (Station) Feature Selection 2	
1-14-01	ARS Dialing Assignment	
1-14-02	ARS Dial Allow/Deny Selection	
1-14-04	ARS Outgoing Route Assignment	
1-14-06	ARS Digit Add Assignment	
1-14-03	ARS Route Assignment	

Related Programming (Continued)

M.B. Number	Memory Block Name	
1-14-05	ARS Digit Delete Assignment	

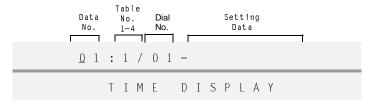
ARS Dialing Assignment

General Description

Use this Memory Block to assign a dialing plan to one of four ARS Tables. Each table contains 128 maximum dialing assignments for the selected dialing plan.

System Software S4000 or higher is required.

Display



System Mode

1
Submode
14
Data No.
01
PC Programming

Alt +AB

Programming Procedures

1	Go off-line.				
2	Press LK1 + LK14 + # ① to access the Memory Block.				
3	Use dial pad keys to selectTable number. Default Values:				
Use (★) to move cursor left. Use (★) to move cursor right. Use (Hold) to clear setting data.					
	Table No 1~4 (Table Number is Class number) Dial No. 01~C8 Setting Data 0~9, *, *, #, X, P, N (8 Digit Maximum)				
4	Operation Data In	ncludes:			
			Operation Data X P N *	Dial 0~9, * , # 0 and 1 2~9 *	Operation Redial + 7 Redial + 8 Redial + 9 Redial + * Redial + #
5	Press Transfer to w	rite the data. The next Dial No. is displayed			
6	Repeat Steps 3 and 5 for each Dial No. (01~C8) for Table 1. After Dial No. C8 is programmed, the next Table No. is displayed.				
7	Repeat Programming cycle for each dial No. (01~C8) for Tables 2~4. The next Memory Block is displayed.				
8	Program the nex	t Memory Block or press Speaker to go back or	n-line.		

M.B. Number	Memory Block Name	
3-03	Trunk-to-Trunk Group Assignment	
4-40	LCR Class Selection	

M.B. Number	Memory Block Name	
1-1-30	Route Advance Block Assignment	
1-8-08	Class of Service (Station) Feature Selection 2	
1-14-00	ARS Allow/Deny Selection	
1-14-02	ARS Dial Allow/Deny Selection	
1-14-04	ARS Outgoing Route Assignment	
1-14-06	ARS Digit Add Assignment	
1-14-03	ARS Route Assignment	
1-14-05	ARS Digit Delete Assignment	

L	Notes	L
Entries A0~C8 are 100~128.		

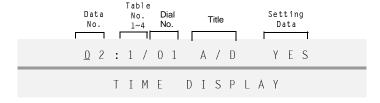
ARS Dial Allow/Deny Selection

General Description

Use this Memory Block to specify whether or not to Allow digits that are entered in the ARS dialing assignment to be routed using the ARS feature.

System Software \$4000 or higher is required.

Display



System Mode 1 Submode 14 Data No. 02 PC Programming Alt + AB

Settings

LK 1	LK 2	LK 3	LK 4
YES	NO		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1 Go off-line.

2 Press LK1 + LK14 + ② to access the Memory Block.

3 Press the corresponding CO/PBX line key to change the Setting Data option.

Use dial pad keys ② ~ ② to select data

□ Press ② to move cursor left.

Press ③ to move cursor right.

4 Press □ to write the data. The next Dial No. is displayed.

5 Repeat Steps 3 and 4 for each Dial No. (01~C8) for Table 1. After Dial No. C8 is programmed, the next Table No. is displayed.

6 Repeat Programming cycle for each Dial No.(01~C8) for Tables 2~4. The next Memory Block is displayed.

7 Program the next Memory Block or press □ to go back on-line.

M.B. Number	Memory Block Name	
3-03	Trunk-to-Trunk Group Assignment	
4-40	LCR Class Selection	
1-1-30	Route Advance Block Assignment	
1-8-08	Class of Service (Station) Feature Selection 2	
1-14-00	ARS Allow/Deny Selection	

Related Programming

M.B. Number	Memory Block Name	
1-14-01	RS Dial Allow/Deny Selection	
1-14-04	RS Outgoing Route Assignment	
1-14-06	ARS Digit Add Assignment	
1-14-03	ARS Route Assignment	
1-14-05	ARS Digit Delete Assignment	

Notes L

- 1. Entries A0~C8 are 100~128.
- 2. When NO (Deny) is set, the other Memory Blocks for this dialing assignment do not have to be programmed.

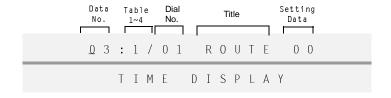
ARS Route Table Number Assignment

General Description

Use this Memory Block to assign each ARS Dialing Assignment to an ARS Route Assignment.

System Software S4000 or higher is required.

Display



System Mode

1
Submode
14
Data No.
03
PC Programming

Alt +AB

Programming Procedures

1	Go off-line.
2	Press LK1 + LK14 + # 3 to access the Memory Block.
3	Use dial pad keys to selectTable number (1~4), Dial number (01~C8), and Route number (01~32). Use dial pad keys
4	Press Transfer to write the data. The next Dial No. is displayed.
5	Repeat Steps 3 and 4 for each Dial No (01~C8) for Table 1. After Dial No. C8 is programmed, the next table No. is displayed.
6	Repeat Programming cycle for dial Nos. 01~C8 for each Table (1~4). The next Memory Block is displayed.
7	Program the next Memory Block or press Speaker to go back on-line.

M.B. Number	Memory Block Name	
3-03	Trunk-to-Trunk Group Assignment	
4-40	LCR Class Selection	
1-1-30	Route Advance Block Assignment	
1-8-08	Class of Service (Station) Feature Selection 2	
1-14-00	ARS Allow/Deny Selection	
1-14-01	ARS Dialing Assignment	
1-14-02	ARS Dial Allow/Deny Selection	
1-14-04	ARS Outgoing Route Assignment	
1-14-06	ARS Digit Add Assignment	
1-14-05	ARS Digit Delete Assignment	

∠ Notes **∠**

- 1. Entries A0~C8 are 100~128.
- 2. When ARS Route Assignment 00 is selected, the call is sent to Trunk Group 01 exactly as it was dialed.

ARS Trunk Group to Route Number Assignment

General Description

Use this Memory Block to specify whether a Trunk Group or a Route Advance Block is used for each Route assignment.

System Software S4000 or higher is required.

Display



System Mode

1
Submode
14
Data No.
04
PC Programming

Att +AB

Settings

LK 1	LK 2	LK 3	LK 4
NORMAL (Originate)	TKGP (01~32)		
LK 5	LK 6	LK 7	LK 8
RAB (01~16)			

The shaded selection is the default.

Programming Procedures

1	Go off-line.		
2	Press LK1 + LK14 + # for access the Memory Block.		
3	Press the corresponding CO/PBX line key to change the Setting Data 1 option.		
	Use dial pad keys @ ~ 9 to select Data Setting Data 2 Trunk Group Number (01~32) or Setting Data 2 RAB (01~16).		
	Press * to move cursor left. Press * to move cursor right.		
4	Press Transfer to write the data. The next Route No. is displayed.		
5	Repeat steps 3 and 4 for each Route No. The next Memory Block is displayed.		
6	Program the next Memory Block or press Speaker to go back on-line.		

M.B. Number	Memory Block Name	
3-03	runk-to-Trunk Group Assignment	
4-40	CR Class Selection	
1-1-30	Route Advance Block Assignment	
1-8-08	Class of Service (Station) Feature Selection 2	
1-14-00	ARS Allow/Deny Selection	

Related Programming

M.B. Number	Memory Block Name	
1-14-01	ARS Dialing Assignment	
1-14-02	RS Dial Allow/Deny Selection	
1-14-03	ARS Route Assignment	
1-14-06	ARS Digit Add Assignment	
1-14-05	ARS Digit Delete Assignment	

∠ D	Notes	$\mathscr{L}_{\mathbb{D}}$
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When NORMAL is selected, the call is routed to Trunk Group 1 exactly as dialed.

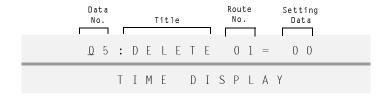
ARS Digit Delete Assignment

General Description

Use this Memory Block to specify the number of digits to delete from the Route assignment.

System Software S4000 or higher is required.

Display



System Mode

1
Submode
14
Data No.
05
PC Programming
Alt + AB

Programming Procedures

1	Go off-line.		
2	Press LK1 + LK14 + # (5) to access the Memory Block.		
3	Use dial pad keys . to select Route No. (01~32). and number of digits (00~10).		
	Use * to move cursor left. Use * to move cursor right.		
	If Setting Data is 00, digits are not deleted.		
4	Press Transfer to write the data. The next Route No. is displayed.		
5	Repeat steps 3 and 4 for each Route No. The next Memory Block is displayed.		
6	Program the next Memory Block or press Speaker to go back on-line.		

M.B. Number	Memory Block Name	
3-03	Trunk-to-Trunk Group Assignment	
4-40	LCR Class Selection	
1-1-30	Route Advance Block Assignment	
1-8-08	Class of Service (Station) Feature Selection 2	
1-14-00	ARS Allow/Deny Selection	
1-14-01	ARS Dialing Assignment	
1-14-02	ARS Dial Allow/Deny Selection	
1-14-03	ARS Route Assignment	
1-14-06	ARS Digit Add Assignment	
1-14-04	ARS Outgoing Route Assignment	

Notes 🖾

The maximum number of digits that can be deleted cannot exceed the number of digits used to route the call.

ARS Digit Add Assignment

General Description

Use this Memory Block to specify the number of digits to add to the Route assignment.

System Software S4000 or higher is required.

Display



System Mode

1
Submode
14
Data No.
06
PC Programming
Att + AB

Programming Procedures

1	Go off-line.		
2	Press LK1 + LK14 + # 6 to access the Memory Block.		
3	Use dial pad keys (**), ** to select Route No. (01~32) and enter the additional dialing digits. Use ** to move cursor left. Use ** to move cursor right. Use ** Redial + ** to enter **. Use ** Redial + ** to enter a pause.		
4	Press Transfer to write the data. The next Route No. is displayed.		
5	Repeat steps 3 and 4 for each Route No. Memory Block 1-14-00 is displayed.		
6	Press Speaker to go back on-line.		

M.B. Number	Memory Block Name	
3-03	Trunk-to-Trunk Group Assignment	
4-40	LCR Class Selection	
1-1-30	Route Advance Block Assignment	
1-8-08	Class of Service (Station) Feature Selection 2	
1-14-00	ARS Allow/Deny Selection	
1-14-01	ARS Dialing Assignment	
1-14-02	ARS Dial Allow/Deny Selection	
1-14-03	ARS Route Assignment	
1-14-05	ARS Digit Delete Assignment	

M.B. Number	Memory Block Name	
1-14-04	ARS Outgoing Route Assignment	

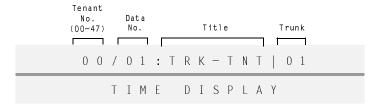
Lo	Notes	L	
A maximum of 10 digits can be added to a	a route assignment.		

Trunk to Tenant Assignment

General Description

Use this Memory Block to assign CO/PBX lines to a tenant.

Display



Tenant Mode

2
Submode

Data No.

01
PC Programming

Alt +BN

Settings

Page 1

LK 1	LK 2	LK 3	LK 4
01	02	03	04
LK 5	LK 6	LK 7	LK 8
05	06	07	08

Page 2

LK 1	LK 2	LK 3	LK 4
09	10	11	12
LK 5	LK 6	LK 7	LK 8
13	14	15	16

Page 3

LK 1	LK 2	LK 3	LK 4
17	18	19	20
LK 5	LK 6	LK 7	LK 8
21	22	23	24

Page 4

. ago .					
LK 1	LK 2	LK 3	LK 4		
25	26	27	28		
LK 5	LK 6	LK 7	LK 8		
29	30	31	32		

Page 5

LK 1	LK 2	LK 3	LK 4
33	34	35	36
LK 5	LK 6	LK 7	LK 8
37	38	39	40

Page 6

LK 1	LK 2	LK 3	LK 4
41	42	43	44
LK 5	LK 6	LK 7	LK 8
45	46	47	48

Page 7

LK 1	LK 2	LK 3	LK 4
49	50	51	52
LK 5	LK 6	LK 7	LK 8
53	54	55	56

Page 8

LK 1	LK 2	LK 3	LK 4
57	58	59	60
LK 5	LK 6	LK 7	LK 8
61	62	63	64

All line keys are assigned.

Programming Procedures

1	Go off-line.				
2	Press LK2 to access the Memory	/ Block.			
3	Press the corresponding CO/PB	X line key to change the da	ta option.	Default Values	
	Use the following to enter	er data:			
	* to move the cursor	left		Tenant	Tenant
	# to move the cursor	=		00	01~47
		ric data		All trunks	Not
	Conf to go to the nex	kt assignedTenant No.		are assigned.	assigned
	Recall to go to the nex	t page			
	Feature to go to the prev	vious page			
			Ī		
	CO/PBX Line LED	On			
	Line LED				
	Data No				
	(Not Assi	gned) (Assigned)			
4	Press Transfer to write the data. The	ne next Memory Block is dis	splayed.		
5	Program Memory Blocks 2-05~2	-09. The next Tenant No. is	s displayed.		
6	Repeat steps 3, 4, and 5 for each	n Tenant No. Memory Bloo	ck 2-01 Tenant 00	is displayed.	

Related Programming

Press Speaker to go back on-line.

M.B. Number	Memory Block Name
2-05	Line Key Selection
4-09	Telephone to Tenant Assignment

Notes La

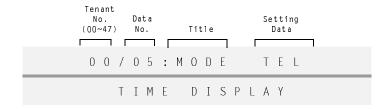
When data is changed while the system is busy, DATA ENTRY is displayed at the programming station until the system becomes idle.

Line Key Selection

General Description

Use this Memory Block to select Tenant-Wide Mode or Telephone Mode line key assignment for each tenant.

Display



Tenant Mode 2 Submode — Data No. 05 PC Programming Alt +BN

Settings

LK 1	LK 2	LK 3	LK 4
TNAT	TEL		
LK 5	LK 6	LK 7	LK 8

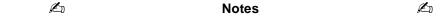
The shaded selection is the default.

Programming Procedures

1	Go off-line.
2	Press LK2 + ② ③ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option to TNAT.
4	Press Transfer to write the data. The next Memory Block is displayed
5	Program the next Memory Block or press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
2-06	Line Key Selection for Tenant Mode
4-12	Line Key Selection for Telephone Mode



- 1. Mixed use of Tenant-Wide Mode and Telephone Mode is permitted in the system.
- 2. Tenant-Wide Mode:

Memory Block 2-06 (Line Key Selection for Tenant Mode) permits assignment of any desired feature to each of the CO/PBX line keys. All the telephones in a tenant are assigned the same features.

3. Telephone Mode:

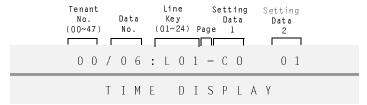
Memory Block 4-12 (Line Key Selection for Telephone Mode) permits assignment of any feature to each of the CO/PBX line keys. Each telephone can be assigned different features.

Line Key Selection for Tenant Mode

General Description

Use this Memory Block to assign functions to each CO/PBX line key on each telephone in a tenant specified as Tenant Mode in Memory Block 2-05 (Line Key Selection).

Display



Tenant Mode 2 Submode — Data No. 06 PC Programming Alt +BN

Settings

Page 1

LK 1	LK 2	LK 3	LK 4
NON	CO (CO/PBX)	FW BNA	FW ALL
LK 5	LK 6	LK 7	LK 8
Call Appearance Key	Feature Access Key	TKGP	Route Advance

Page 2

LK 9	LK102	LK 11	LK 12
SIE	Microphone	H SET	SCROLL (ANI/Caller ID)
LK 13	LK 14	LK 15	LK 16
DND (On/Off)	LOG (On/Off)	BGM (On/Off)	ICM

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 3 Press the corresponding CO/PBX line key to select the function for Line Key No. 01. When indicated, add Setting Data 2 using dial keys.
- 4 Press Transfer to write data and display Line Key No. 2.
- 5 Repeat Steps 3 and 4 for each Line Key assignment. After Line Key No. 24 is programmed, the next Memory Block is displayed.
- 6 Program the next Memory Block or press Speaker to go back on-line.
- 7 The operation data includes:

Setting Data Page 1

Line Key	Setting Data (1)	LCD Indication	Setting Data (2)
1	Not Specified	NON	N/A
2	со	СО	01~64
3	CFW - BNA	FW BNA	N/A
4	CFW - ALL	FW ALL	N/A
5	Call Appearance Block (00~47)	С	Call Appearance Key 01~24
6	Feature Access	FΑ	01~16
7	Trunk Group	TKGP	01~32
8	Route Advance	ADV	01~16

Setting Data Page 2

9	Secondary Incoming Extension (Including CAR)	SIE	Telephone Port No. 01~C0
10	Microphone	MIC	N/A
11	Headset	H SET	N/A
12	Scroll Key	SCROLL	N/A
13	DND On/Off	DND	N/A
14	Log On/Off	LOG	N/A
15	BGM On/Off	BGM	N/A
16	Intercom Key	ICM	N/A

Use the following:

- * to move the cursor left
- #) to move the cursor right
- (P) ~ (P) to enter the numeric data or Tenant No.

- OR -

Conf to go to the next assigned Tenant No.

Recall to change page; = is page 1,+ is page 2

Default Values

Tenant	Tenant	
00	01~47	
CO/PBX lines 01~08)	Not assigned	

Related Programming

M.B. Number	Memory Block Name
2-05	Line Key Selection

∠ı Notes **∠**ı

1. Specify Call Appearance as the call appearance number of Call Appearance Block numbers from Memory Block 4-43 (Station to Call Appearance Block Assignment).

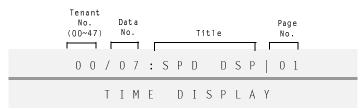
- 2. Use this Memory Block to assign the following functions to each of the CO/PBX line keys on each telephone in a tenant specified as Tenant Mode in Memory Block 2-05 (Line Key Selection):
 - Not specified (NON)
 - CO/PBX Line (CO) 01~64
 - CFW BNA
 - CFW ALL
 - © Call Appearance (C) 00~47, 01~24 (Each Call Appearance Block may have a maximum of 24 Call Appearance keys).
 - Feature Access (FA) 01~16
 - Trunk Group (TKGP) 01~32
 - Route Advance Block (ADV) 01~16
 - Secondary Incoming Extension (SIE) 01~C0
 - Microphone (MIC)
 - # Headset (H SET)
 - Scroll Key for ANI/Caller ID (SCROLL)
 - DND On/Off
 - LOG On/Off
 - BGM On/Off
 - Intercom Key (ICM)
- 3. System Software S4000 or higher is required to switch between pages using + and =.
- 4. System Software S5000 is required to provide 16 Feature Access keys. System Software S4500 or below only provides 10 Feature Access keys.

System Speed Dial Display Assignment

General Description

Use this Memory Block to specify whether or not confirmation of the Speed Dial numbers and messages stored in the system Speed Dial memory is allowed.

Display



Tenant Mode 2 Submode — Data No. 07 PC Programming Alt +BN

Settings

Page 1 – When system Speed Dial is 80 buffers:

LK 1	LK 2	LK 3	LK 4
00~09	10~19	20~29	30~39
LK 5	LK 6	LK 7	LK 8
40~49	50~59	60~69	70~79

Page 2

LK 1	LK 2	LK 3	LK 4
LK 5	LK 6	LK 7	LK 8

Page 1 – When system Speed Dial is 1000 buffers:

LK 1	LK 2	LK 3	LK 4
000~099	100~199	200~299	300~399
LK 5	LK 6	LK 7	499
400~499	500~599	600~699	700~799

Page 2

LK 1	LK 2	LK 3	LK 4
800~899	900~999		
LK 5	LK 6	LK 7	LK 8

All line keys are a default setting.

Programming Procedures

1	Go off-line.				
2	Press LK2 + (P) (7) to access	s the Mem	ory Block.		
3	Press the CO/PBX Line key. The each time the CO/PBX line key. Use the following to end to move the curso to move the curso to move the curso to go to next present to go to previous to go to the next present to go to previous to go to the next present to go to previous to go	r is presse nter data: or left or right nber data page ous page	_	o indicate the data	Default Values All Speed Dial confirmation allowed
	CO/PBX Line LED Of	f	On	The shaded selection is	
	Data (Not Ass		Yes (Assigned)	the default.	
4	After entering data for both pag	ges, press	Transfer to write th	e data. The next Memory Bl	ock is displayed.
5	Program the next Memory Block or press Speaker to go back on-line.				

Related Programming

M.B. Number	Memory Block Name
1-1-35	Speed Dial Buffer Allocation
1-8-07	Class of Service (Attendant) Feature Selection 1

∠□ Notes **∠**□

- 1. When Deny is specified, no display is presented even when a System Speed Dial call is originated.
- 2. Divide the Speed Dial numbers into groups and specify, per tenant, whether confirmation is allowed or denied.
- 3. Station Message Detail Recording (SMDR) prints telephone numbers.

ECR Relay to Tenant Assignment

General Description

Use this Memory Block to specify Tenant Assignment for External Tone Ring/Night Chime function.

Display



Tenant Mode

2
Submode

—
Data No.
08
PC Programming

Alt +BN

Settings

LK 1	LK 2	LK 3	LK 4
External	External	External	External
Tone Relay	Tone Relay	Tone Relay	Tone Relay
1	2	3	4
LK 5	LK 6	LK 7	LK 8
Night Chime			

Default not assigned.

Programming Procedures

1	Go off-line.		
2	Press LK2 + (1) (8) to access the Memory Block.		
3	Press the corresponding CO/PBX line key to change the data option.	Default Values	
	Use the following to enter data:	All Tenants No Assignment	
	* to move the cursor left		
	# to move the cursor right		
	conf to go to the next assigned Tenant No.		
4	Press the Transfer to write the data. The next Memory Block is displayed.		
5	Program the next Memory Block or press Speaker to go back on-line.		

Related Programming

M.B. Number	Memory Block Name
1-7-07	External Ring Relay Pattern Selection

Notes L

1. By assigning Night Chime to a Tenant, incoming calls to the Tenant group in Night Mode can be answered using the Night Call Pickup Access Code.

- 2. The relays are fixed (nonprogrammable).
- 3. Night Chime must be assigned for Night Call Pickup to work. A relay may be assigned even when an ECR-U10 ETU is not installed in the system.

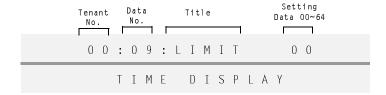
DID Limit to Tenant Assignment

General Description

Use this Memory Block to assign the number of DID calls allowed to ring at a specified tenant.

System Software S5000 is required.

Display



System Mode

2

Submode

Data No.

09

PC Programming

Alt + BN

Programming Procedures

1	Go off-line.		
2	Press LK2 + ② to access the Memory Block.		
3	Enter Setting Data using the dial pad.	Default Values	
	Use the following: * to move the cursor left * to move the cursor right * to enter numeric data	00 (No Limit) 01~64 Incoming Calls	
4	Press Transfer to write the data. The next Tenant No. for Memory Block 2-01	is displayed.	
5	Program all Tenants. AfterTenant 47 is programmed, the display cycles back to Tenant 01 of Memory Block 2-01.		
6	Press Speaker to go back on-line.		

Related Programming

Related Programming is not required.

№1 Notes

Only DID incoming calls are limited. Outgoing calls, Internal (ICM) calls, and normal incoming calls are not limited.

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Trunk Name/Number Assignment

General Description

Use this Memory Block to specify telephone name/number for the CO/PBX line that is displayed when the CO/PBX Line is seized, or during an incoming call.

System Software S2000 or higher is required.

Display



CO/PBX Line Mode 3 Submode — Data No. 00 PC Programming Alt +BCT

Settings

LK 1	LK 2	LK 3	LK 4
Number Name			
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.		
2	Press LK3 to access the Memory Block.		
3	Leave Number set or press LK2 to change to name for the data option for the selected CO/PBX No. 01, and enter the number or name (Refer to Notes). Default Value Not Specified		
	Use the following to enter data: * to move the cursor left		
	# to move the cursor right		
	② ~ ② to enter numeric data or CO/PBX No.		
	– OR –		
	Conf to go to the next assigned CO/PBX No.		
	Redial to generate a - (hyphen)		
	Hold to generate a space (clear after hold)		
4	Press Transfer to write the data. The next Memory Block is displayed.		
5	After Memory Blocks 3-02~3-67 are programmed, the next CO/PBX No. is displayed.		
6	Repeat steps 3~5 for each CO/PBX No. After the last CO/PBX number is programmed, CO/PBX No. 01 is displayed again.		
7	Press Speaker to go back on-line.		

Related Programming

No related programming is necessary for this Memory Block.

№ Notes

1. When a name is selected, use Section 9 Character Assignment on page 1-594 to get the numeric code for entering characters.

2. System Software S4000 or higher allows a name to be entered using the dial pad instead of the ASCII Character Code Tables. Follow the procedure in Section 9 Character Assignment on page 1-594.

Trunk Status Selection

General Description

Use this Memory Block to specify whether a CO/PBX line is used for call origination and termination or termination only.

Display



CO/PBX Line Mode 3 Submode — Data No. 02 PC Programming Alt +BCT

Settings

LK 1	LK 2	LK 3	LK 4
OUT&IN	IN		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

- •	9			
1	Go off-line.			
2	Press LK3 + Transfer to access the Memory Block.			
3	Press LK 2 to change the data option for CO/PBX No.			
	Use the following to enter data:			
	* to move the cursor left			
	# to move the cursor right			
	② ~ ② to enter numeric data or CO/PBX No.			
	– OR –			
	Conf to go to the next assigned CO/PBX No.			
4	Press Transfer to write the data and display the next Memory Block.			
5	Program the next Memory Block or press Speaker to go back on-line.			

Related Programming

No related programming is necessary for this Memory Block.

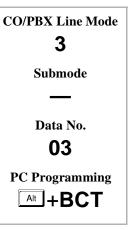
Trunk-to-Trunk Group Assignment

General Description

Use this Memory Block to assign a Trunk Group Number (01~32) to each CO/PBX line.

Display





Programming Procedures

1	Go off-line.		
2	Press LK3 + Transfer + 🚜 🐧 to access the Memory Block.		
3	Enter data for CO/PBX No. 01 using the dial pad to change the Trunk Group Default Values		
	number.	CO/PBX lines (01~08) in Trunk Group 01	
	Use the following enter data:	CO/PBX lines (09~64) in Trunk Group 00	
	* to move the cursor left	All Tie lines in Trunk Group 02	
	to move the cursor right	All DID lines Trunk Group 00	
	② ~ ② to enter numeric data or CO/PBX No.		
	– OR –		
	Conf to go to the next assigned CO/PBX No.		
	Data:		
	00: Not set		
	01~32 : Trunk Group 01~32		
4	Press Fransfer to write the data and display the next Memory Block.		
5	Program the next Memory Block or press Speaker to go back on-line.		

Related Programming

No related programming is necessary for this Memory Block.

№1 Notes

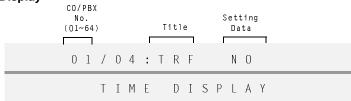
- 1. When a Trunk group Access Code is dialed, an idle CO line is selected automatically and seized from the same Trunk group dialed (the CO line of either same tenant or another tenant can be seized).
- 2. By specifying the priority order, up to four routes (Trunk groups) can be selected in Memory Block 1-1-30 (Route Advance Block Assignment). Idle CO lines are selected and seized in this sequence.
- 3. When LCR is installed, Local Trunks should be assigned to Trunk Group 1. When a number is dialed that bypasses LCR, the system accesses Trunk Group 1 and dials the number.

Trunk-to-Trunk Transfer Yes/No Selection

General Description

Use this Memory Block to specify whether or not to allow Trunk-to-Trunk Transfer.

Display



CO/PBX Line Mode 3 Submode — Data No. 04 PC Programming Alt +BCT

Settings

LK 1	LK 2	LK 3	LK 4
NO	YES		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.	
2	Press LK3 + Transfer + (2) (4) to access the Memory Block.	
3	Press LK2 to allow Trunk-to-Trunk transfer for CO/PBX No. Use the following to enter data: ** to move the cursor left ** to move the cursor right	
	② ~ ② to enter numeric data or CO/PBX No. - OR - Conf to go to the next assigned CO/PBX No.	
4	Press fransfer to write the data and display the next Memory Block.	
5	Program the next Memory Block or press Speaker to go back on-line.	

Related Programming

M.B. Number	M.B. Number Memory Block Name	
1-8-07 Class of Service (Attendant) Feature Selection 1		
1-8-08	1-8-08 Class of Service (Station) Feature Selection 2	
3-05 Trunk Incoming Answer Mode Selection		
3-06 Automatic Tandem Trunk Assignment		
5-01 Tie Line Networking Tandem Connection Assignment		

∠□ Notes **∠**□

Assign YS to connect both trunks via Trunk-to-Trunk Transfer or Automatic Trunk-to-Trunk Transfer feature.

Trunk Incoming Answer Mode Selection

General Description

Use this Memory Block to specify the incoming answer mode (Automatic Trunk-to-Trunk Transfer, Automated Attendant, or DISA) per outside line.

Display



CO/PBX Line Mode 3 Submode — Data No. 05 PC Programming Alt +BCT

Settings

LK 1	LK 2	LK 3	LK 4
NO ASSIGN	TANDM TRF	AΑ	
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

- 1 Go off-line.
- 2 Press LK3 + Transfer + (9) (2) to access the Memory Block.
- 3 Press the corresponding CO/PBX line key to change the data option for CO/PBX No.

Use the following to enter data:

- * to move the cursor left
- # to move the cursor right
- (P) ~ (9) to enter numeric data or CO/PBX No.

- OR -

Conf to go to the next assigned CO/PBX No.

Line Key	LCD Indication when Selected	Definition
LK 1	NO ASSIGN	Normal
LK 2	TANDM TRF	Automatic Trunk-to-Trunk Transfer
LK 3	AA	Automated Attendant/DISA

- 4 Press Transfer to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press Speaker to go back on-line.

Related Programming

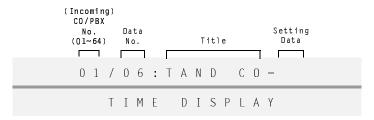
Refer to Chapter 2 Guide to Feature Programming.

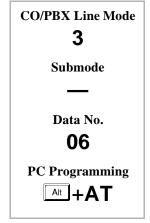
Automatic Tandem Trunk Assignment

General Description

Use this Memory Block to specify the incoming trunk and outgoing trunk for Automatic Trunk-to-Trunk Transfer.

Display





Programming Procedures

1	Go off-line.			
2	Press LK3 + Transfer +			
3	Enter the outgoing trunk number for incoming CO/PBX No. Default Values			
	Use the following to enter data:	Not Specified		
	* to move the cursor left			
	# to move the cursor right			
	② ~ ② to enter numeric data or CO/PBX No.			
	- OR -			
	Conf to go to the next assigned CO/PBX No.			
4	Press Transfer to write the data and display the next Memory Block.			
5	Program the next Memory Block or press Speaker to go back on-line.			

Related Programming

	M.B. Number	Memory Block Name	
3-04 Trunk-to-Trunk Transfer Yes/No Selection			

CO/PBX Ringing Variation Selection

General Description

Use this Memory Block to specify a ringing tone for each CO/PBX line.

Display



CO/PBX Line Mode 3 Submode Data No. 07 PC Programming Att +BCT

Settings

LK 1	LK 2	LK 3	LK 4
M (Medium)	L (Low)	H (High)	
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.	
2	Press LK3 + Transfer + 💯 💯 to access the Memory Block.	
3	Press the corresponding CO/PBX line key to change the ringing tone for CO/PBX No. 01.	
	Use the following to enter data:	
	* to move the cursor left	
	# to move the cursor right	
	(P) ~ (P) to enter numeric data or CO/PBX No.	
	– OR –	
	Conf to go to the next assigned CO/PBX No.	
4	Press Transfer to write the data and display the next Memory Block.	
5	Program the next Memory Block or press Speaker to go back on-line.	

Related Programming

M.B. Number	Memory Block Name	
1-1-28 Distinctive Ringing by Telephone or CO Selection		

∠□ Notes **∠**□

- This Memory Block is not applicable when Telephone is selected in Memory Block 1-1-28 (Distinctive Ringing by Telephone or CO Selection).
- 2. High, medium, or low ringing tone applies to incoming outside line calls only.

CO External Source Selection

General Description

Use this Memory Block to specify whether the Music On Hold source is from the CO or an external source (EXT SOURCE).

Display



CO/PBX Line Mode 3 Submode — Data No. 11 PC Programming Alt +BCT

Settings

LK 1	LK 2	LK 3	LK 4
со	EXT SOURCE		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1 Go off-line.

2 Press LK3 + Transfer + 1 to access the Memory Block.

3 Press LK2 to change Music On Hold to an external source for CO/PBX No.

Use the following to enter data:

** to move the cursor left

** to move the cursor right

** to move the cursor right

** to enter numeric data or CO/PBX No.

- OR
Conf to go to the next assigned CO/PBX No.

4 Press Transfer to write the data and display the next Memory Block.

5 Program the next Memory Block or press Togother to go back on-line.

Related Programming

M.B. Number	Memory Block Name
3-12 CO Hold Memory Selection	

№ Notes

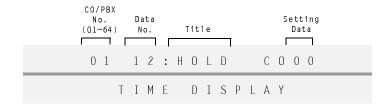
When CO is set for EXT SOURCE and left in a trunk group, that CO is skipped in dialing access of the trunk group.

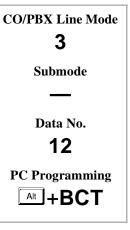
CO Hold Memory Selection

General Description

Use this Memory Block to specify the music selection for each CO/PBX line.

Display





Programming Procedures

1	Go off-line.		
2	Press LK3 + Transfer + (1) (2) access the Memory Block.		
3	Enter data for CO/PBX No. using the dial pad to assign the music selection. Use the following to enter data: to move the cursor left to move the cursor right Default Values 00 = Not Assigned for CO/PBX No. 01~64		
	 ~ ② to enter numeric data or CO/PBX No. — OR – Conf to go to the next assigned CO/PBX No.		
4	Press Transfer to write the data and display the next Memory Block.		
5	Program the next Memory Block or press Speaker to go back on-line.		

Related Programming

M.B. Number	Memory Block Name	
3-11	CO External Source Selection	

Tie Line Type Assignment

General Description

Use this Memory Block to assign the loop supervision to be used for each Trunk associated with a Tie line.

Display



CO/PBX Line Mode 3 Submode — Data No. 14 PC Programming

Alt +ALT

Settings

LK 1	LK 2	LK 3	LK 4
2ND DIAL	IMMEDIATE	DELAY	WINK
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.	
2	Press LK3 + Transfer + (1) (2) to access the Memory Block.	
3	Press the corresponding CO/PBX line key to change the loop supervision for CO/PBX No. Use the following to enter data: * to move the cursor left * to move the cursor right	
	② ~ ② to enter numeric data or CO/PBX No. — OR — Conf to go to the next assigned CO/PBX No.	
4	Press Transfer to write the data and display the next Memory Block.	
5	Program the next Memory Block or press Speaker to go back on-line.	

Related Programming

M.B. Number	Memory Block Name	
3-92	Trunk (Installed, DP/DTMF) Selection	

№ Notes

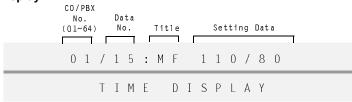
- 1. Line keys 1~4 identify the following methods of loop supervision:
 - 1 = Second Dial Tone
 - 2 = Immediate Start
 - 3 = Delay Dial
 - 4 = Wink Start
- 2. This Memory Block affects T1 channels assigned as Tie lines.
- 3. When a second dial tone is selected, the distant system provides the dial tone.
- 4. When Immediate, Delay, or Wink is selected, the local system provides the dial tone.

Trunk DTMF Duration/Interdigit Selection

General Description

Use this Memory Block to specify the tone duration/interdigit time of dual-tone multifrequency (DTMF) signals.

Display



CO/PBX Line Mode 3 Submode Data No. 15 PC Programming At + BCT

Settings

LK 1	LK 2	LK 3	LK 4
60/70	60/80	110/80	160/80
LK 5	LK 6	LK 7	LK 8
210/80	410/100	610/100	810/190

The shaded selection is the default. Times are in milliseconds.

Programming Procedures

1	Go off-line.	
2	Press LK3 + Transfer + (7) (5) to access the Memory Block.	
3	Press the corresponding CO/PBX line key to change tone duration/interdigit time for CO/PBX No.	
	Use the following to enter data:	
1	* to move the cursor left	
	# to move the cursor right	
	(a) ~ (b) to enter numeric data or CO/PBX No.	
	– OR –	
	to go to the next assigned CO/PBX No.	
4	Press Transfer to write the data and display the next Memory Block.	
5	Program the next Memory Block or press Speaker to go back on-line.	

Related Programming

M.B. Number	Memory Block Name	
3-92	Trunk (Installed, DP/DTMF) Selection	

∠ Notes **∠**

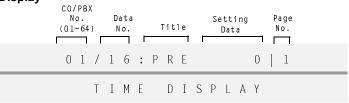
- 1. This is also used for Tie lines.
- This Memory Block affects T1 Channels assigned as Tie/DID lines. A DTI-U10/20 ETU is required.

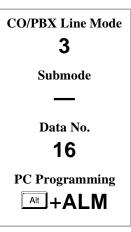
Tie Line Prepause Time Selection

General Description

Use this Memory Block to specify the time (prepause) before the originating side can send dial pulse or dual-tone multifrequency (DTMF) to the distant system.

Display





Settings

Page 1

LK 1	LK 2	LK 3	LK 4
0	0.5	1.0	1.5
LK 5	LK 6	LK 7	LK 8
2.0	3.0	4.0	5.0

Page 2

. age =			
LK 1	LK 2	LK 3	LK 4
6.0	7.0	8.0	9.0
LK 5	LK 6	LK 7	LK 8
10.0	11.0	12.0	13.0

The shaded selection is the default. Times are in seconds.

Programming Procedures

1	Go off-line.
2	Press LK3 + Transfer + (1) (6) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change prepause time for CO/PBX No. Use the following to enter data:
	* to move the cursor left
	# to move the cursor right
	(f) ~ (g) to enter numeric data or CO/PBX No.
	– OR –
	Conf to go to the next assigned CO/PBX No.
	Recall to go to the next page
	Feature to go to the previous page
4	Press Transfer to write the data and display the next Memory Block.
5	Program the next Memory Block or press Speaker to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

№ Notes

1. Prepause time differs according to the acknowledgment signaling method.

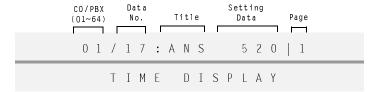
2. This Memory Block affects T1 channels assigned as Tie/DID lines.

Tie Line Answer Detect Time Selection

General Description

Use this Memory Block to specify the time before an Electra Elite 48/192 system answer (off-hook) is recognized as an answer.

Display



CO/PBX Line Mode 3 Submode Data No. 17 PC Programming Alt + ALM

Settings

Page 1

LK 1	LK 2	LK 3	LK 4
0	130	260	390
LK 5	LK 6	LK 7	LK 8
520	650	780	910

Page 2

- 3 -			
LK 1	LK 2	LK 3	LK 4
1040	1170	1300	1430
LK 5	LK 6	LK 7	LK 8
1560	1690	1820	1950

The shaded selection is the default. Times are in milliseconds.

Programming Procedures

1	Go off-line.		
2	Press LK3 + Transfer + ① 🐍 to access the Memory Block.		
3	Press the corresponding CO/PBX line key to change answer detect time for CO/PBX No. Use the following to enter data: * to move the cursor left		
	# to move the cursor right • • • • to enter numeric data or CO/PBX No.		
	– OR –		
	to go to the next assigned CO/PBX No.		
	Recall to go to the next page		
	feature to go to the previous page		
4	Press Transfer to write the data and display the next Memory Block.		
5	Program the next Memory Block or press Speaker to go back on-line.		

Related Programming

No related programming is necessary for this Memory Block.

№ Notes

1. Answering a call may be impossible if the CO answer detect time is too long.

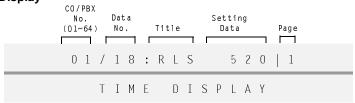
2. This Memory Block affects T1 channels assigned as Tie/DID lines.

Tie Line Release Detect Time Selection

General Description

Use this Memory Block to specify the time before the circuit disconnect detected on the Tie line on the distant system side is recognized as Tie line release.

Display



CO/PBX Line Mode 3 Submode — Data No. 18 PC Programming Alt +ALM

Settings

Page 1

LK 1	LK 2	LK 3	LK 4
0	130	260	390
LK 5	LK 6	LK 7	LK 8
520	650	780	910

Page 2

. age =			
LK 1	LK 2	LK 3	LK 4
1040	1170	1300	1430
LK 5	LK 6	LK 7	LK 8
1560	1690	1820	1950

The shaded selection is the default. Times are in milliseconds.

Programming Procedures

1	Go off-line.
2	Press LK3 + Transfer + ① 🛞 to access the Memory Block.
3	Press the corresponding CO/PBX line key to change release detect time for CO/PBX No.
	Use the following to enter data:
	* to move the cursor left
	# to move the cursor right
	(f) ~ (g) to enter numeric data or CO/PBX No.
	– OR –
	Conf to go to the next assigned CO/PBX No.
	Recall to go to the next page
	Feature to go to the previous page
4	Press Transfer to write the data and display the next Memory Block.
5	Program the next Memory Block or press Speaker to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

∠ Notes

1. Specify distinguishing circuit release from on-hook, noise, and temporary interruption. Probable situations for Tie line release detection include:

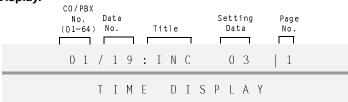
- Called side hangs up first. The circuit is released 92 ms. + specified time after the other party disconnects the call.
- Called side hangs up second. The circuit is released when the specified time has elapsed after the other party hangs up.
- Originating side hangs up first. The circuit is released 92 ms. + specified time after the other party hangs up.
- Originating side hangs up second. The circuit is released when the specified time has elapsed after the other party hangs up.
- 2. This Memory Block affects T1 channels assigned as Tie/DID lines. A DTI-U10/20 ETU is required.

Tie Line/CO/PBX Incoming Signal Detect Time Selection

General Description

Use this Memory Block to specify the time after the incoming signal from another system is detected before the acknowledge signal is sent out.

Display.



Settings

Page 1 - Wink Start

LK 1	LK 2	LK 3	LK 4
00 (0 ms.)	01 (130 ms.)	02 (260 ms.)	03 (390 ms.)
LK 5	LK 6	LK 7	LK 8
04 (520 ms.)	05 (650 ms.)	06 (780 ms.)	07 (910 ms.)

Page 2

•			
LK 1	LK 2	LK 3	LK 4
08 (1040 ms.)	09 (1170 ms.)	10 (1300 ms.)	11 (1430 ms.)
LK 5	LK 6	LK 7	LK 8
12 (1560 ms.)	13 (1690 ms.)	14 (1820 ms.)	15 (1950 ms.)

Page 1 - Delay

LK 1	LK 2	LK 3	LK 4
00 (0 ms.)	01 (30 ms.)	02 (60 ms.)	03 (90 ms.)
LK 5	LK 6	LK 7	LK 8
04 (120 ms.)	05 (150 ms.)	06 (180 ms.)	07 (210 ms.)

Page 2

LK 1	LK 2	LK 3	LK 4
08 (240 ms.)	09 (270 ms.)	10 (300 ms.)	11 (330 ms.)
LK 5	LK 6	LK 7	LK 8

Page 1 - COI

LK 1	LK 2	LK 3	LK 4
00 (50 ms.)	01 (100 ms.)	02 (150 ms.)	03 (200 ms.)
LK 5	LK 6	LK 7	LK 8
04 (250 ms.)	05 (300 ms.)	06 (350 ms.)	07 (400 ms.)

Page 2

LK 1	LK 2	LK 3	LK 4
08 (450 ms.)	09 (500 ms.)	10 (550 ms.)	11 (600 ms.)
LK 5	LK 6	LK 7	LK 8
12 (650 ms.)	13 (700 ms.)	14 (750 ms.)	15 (800 ms.)

CO/PBX Line Mode

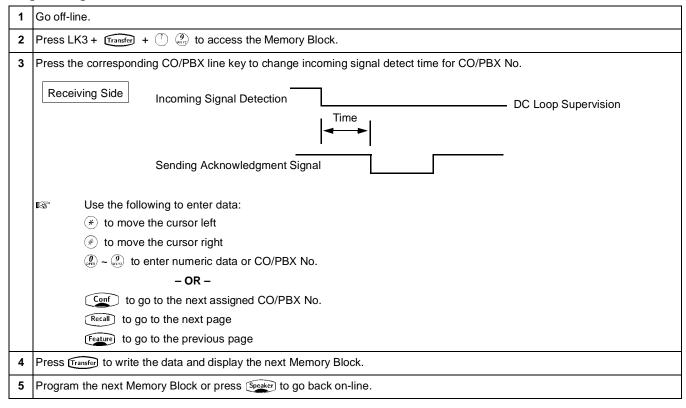
3
Submode

Data No.
19
PC Programming

Att + BCT

The shaded selection is the default for each method.

Programming Procedures



Related Programming

M.B. Number	Memory Block Name	
3-14	Tie/DID Line Type Assignment	

∠n Notes **∠**n

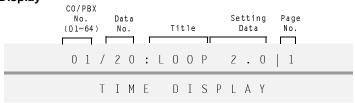
- 1. For second dial tone and immediate loop supervision, the time is fixed at 30 ms.
- 2. This Memory Block affects T1 channels assigned as Tie/DID lines.

Tie Line Loop Off-Guard Time Selection

General Description

Use this Memory Block to assign loop off-guard time to prevent noise that could cause the system to be unable to answer an incoming Tie line.

Display



CO/PBX Line Mode 3 Submode — Data No. 20 PC Programming Att + ALM

Settings

Page 1

LK 1	LK 2	LK 3	LK 4
0.0	0.5	1.0	1.5
LK 5	LK 6	LK 7	LK 8
2.0	3.0	4.0.	5.0

Page 2

- 3 -			
LK 1	LK 2	LK 3	LK 4
6.0	7.0	8.0	9.0
LK 5	LK 6	LK 7	LK 8
10.0	11.0	12.0	13.0

The shaded selection is the default. Times are in seconds.

Programming Procedures

1	Go off-line.	
2	Press LK3 + Transfer + 2 9 to access the Memory Block.	
3	Press the corresponding CO/PBX line key to change loop off-guard time for CO/PBX No.	
	Use the following to enter data:	
	* to move the cursor left	
	# to move the cursor right	
	(f) ~ (g) to enter numeric data or CO/PBX No.	
	– OR –	
	Conf to go to the next assigned CO/PBX No.	
	Recall to go to the next page	
	Feature to go to the previous page	
4	Press Transfer to write the data and display the next Memory Block.	
5	Program the next Memory Block or press Speaker to go back on-line.	

Related Programming

No related programming is necessary for this Memory Block.

Notes 🖾

1. Assign a loop off-guard time to prevent system malfunction caused by noise when going off-hook to answer a call from another system on a Tie line call.

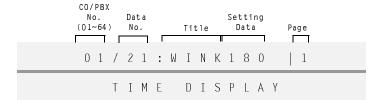
- 2. The system ignores any noise that is detected during the time specified in this Memory Block.
- 3. This Memory Block affects T1 channels assigned as Tie/DID lines.

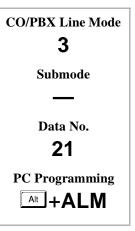
Tie Line Length of Wink Signal Selection

General Description

Use this Memory Block to specify the time a wink pulse is sent to another system.

Display





Settings

Page 1

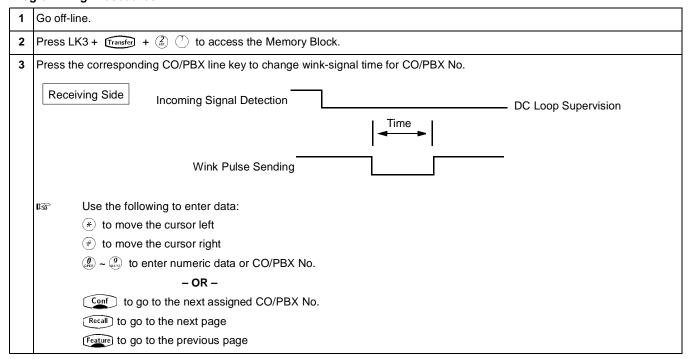
LK 1	LK 2	LK 3	LK 4
30	60	90	120
LK 5	LK 6	LK 7	LK 8
150	180	210	240

Page 2

LK 1	LK 2	LK 3	LK 4
270	300	330	360
LK 5	LK 6	LK 7	LK 8
390	420	450	480

The shaded selection is the default. Times are in milliseconds.

Programming Procedures



Programming Procedures (Continued)

4 Press Transfer to write the data and display the next Memory Block.

5 Program the next Memory Block or press Speaker to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

Notes Notes

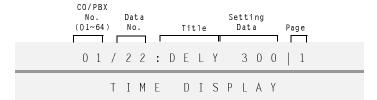
- 1. Specify Wink Start in Memory Block 3-14 (Tie Line Type Assignment).
- 2. This Memory Block affects T1 channels assigned as Tie/DID lines.

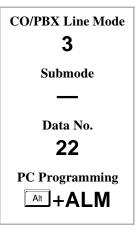
Tie Line Length of Delay Signal Selection

General Description

Use this Memory Block to specify the time a delay pulse is sent to another system.

Display





Settings

Page 1

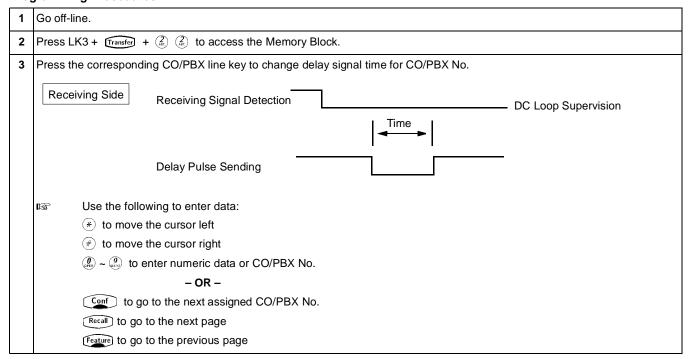
LK 1	LK 2	LK 3	LK 4
0	300	600	900
LK 5	LK 6	LK 7	LK 8
1200	1500	1800	2100

Page 2

LK 1	LK 2	LK 3	LK 4
2400	2700	3000	3300
LK 5	LK 6	LK 7	LK 8
3600	3900	4200	4500

The shaded selection is the default. Times are in milliseconds.

Programming Procedures



Programming Procedures (Continued)

4 Press Transfer to write the data and display the next Memory Block.

5 Program the next Memory Block or press Speaker to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

№1 Notes

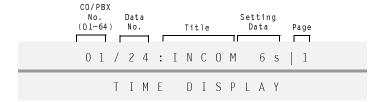
- 1. Specify Delay loop supervision in Memory Block 3-14 (Tie Line Type Assignment).
- 2. This Memory Block affects T1 channels assigned as Tie/DID lines.

Tie Line Incoming Interdigit Timeout Selection

General Description

Use this Memory Block to specify the time, in seconds, that an address signal is missing during the incoming call detection process before an error tone is returned to the other system.

Display



CO/PBX Line Mode 3 Submode — Data No. 24 PC Programming Alt +ALM

Settings

Page 1

LK 1	LK 2	LK 3	LK 4
∞ (No Limit)	1s	2s	3s
LK 5	LK 6	LK 7	LK 8
4s	5s	6s	7s

Page 2

LK 1	LK 2	LK 3	LK 4
8s	9s	10s	11s
LK 5	LK 6	LK 7	LK 8
12s	13s	14s	15s

The shaded selection is the default.

Programming Procedures

1	Go off-line.		
2	Press LK3 + Transfer + (2) (4) to access the Memory Block.		
3	Press the corresponding CO/PBX line key to change incoming interdigit timeout for CO/PBX No.		
	Use the following to enter data:		
	* to move the cursor left		
	# to move the cursor right		
	(P) ~ (P) to enter numeric data or CO/PBX No.		
	– OR –		
	Conf to go to the next assigned CO/PBX No.		
	Recall to go to the next page		
	Feature to go to the previous page		
4	Press Transfer to write the data and display the next Memory Block.		
5	Program the next Memory Block or press Speaker to go back on-line.		

Related Programming

No related programming is necessary for this Memory Block.

∠□ Notes **∠**□

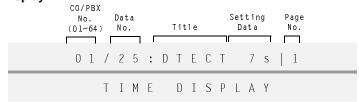
- 1. A timeout occurs when:
 - A dial pulse is not received within the time specified by this Memory Block after the receiving side detects the off-hook signal.
 - The next dial pulse is not received within the time specified by this Memory Block after the receiving side detects (receives) a dial pulse.
- 2. This Memory Block affects T1 channels assigned to Tie/DID lines.

Tie Line Wink/Delay Signal Detect Timeout Selection

General Description

Use this Memory Block to specify a maximum time, in seconds, for receiving an acknowledgment signal from a distant system before sending a busy tone.

Display



CO/PBX Line Mode 3 Submode — Data No. 25 PC Programming Alt +ALM

Settings

Page 1

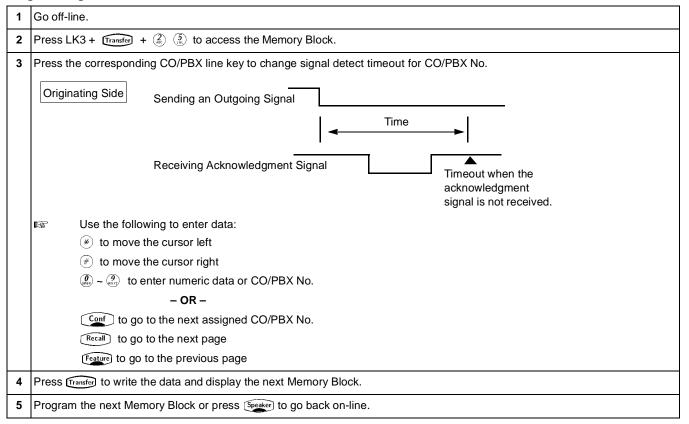
	=	LK 4
1s	2s	3s
LK 6	LK 7	LK 8
5s	6s	7s
	LK 6	LK 6 LK 7

Page 2

	•			
ĺ	LK 1	LK 2	LK 3	LK 4
I	8s	9s	10s	11s
ľ	LK 5	LK 6	LK 7	LK 8
Ī	12s	13s	14s	15s

The shaded selection is the default.

Programming Procedures



Related Programming



- 1. When the acknowledgment signal is not received in a programmed time after an outgoing signal is sent to the other system, a busy tone is sent to the telephone.
- 2. This Memory Block affects T1 channels assigned to Tie/DID lines.

Tie Line Dial Tone Selection

General Description

Use this Memory Block to specify whether or not to send a dial tone to the distant system.

Display



CO/PBX Line Mode 3 Submode Data No. 27 PC Programming Att +ALT

Settings

LK 1	LK 2	LK 3	LK 4
NO	YS		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.	
2	Press LK3 + Transfer + 2 5 to access the Memory Block.	
	Press Lk1 when you don't want to send a dial tone to the distant system for CO/PBX No. Use the following to enter data: ** to move the cursor left ** to move the cursor right	
	@ ~ @ to enter numeric data or CO/PBX No. - OR - Conf to go to the next assigned CO/PBX No.	
4	Press Transfer to write the data and display the next Memory Block.	
5	Program the next Memory Block or press Speaker to go back on-line.	

Related Programming

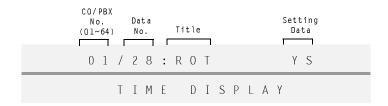
M.B. Number	Memory Block Name
3-14	Tie Line Type Assignment

Tie Line Reorder Tone Selection

General Description

Use this Memory Block to specify whether or not to send a reorder tone to the originating station when the number of a distant system is used to originate a call over a Tie line.

Display



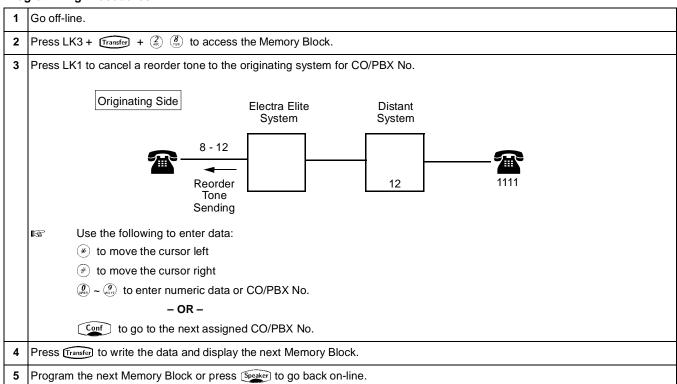
CO/PBX Line Mode 3 Submode Data No. 28 PC Programming Alt +ALT

Settings

LK 1	LK 2	LK 3	LK 4
NO	YS		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures



Related Programming

M.B. Number	Memory Block Name
3-14	Tie Line Type Assignment

L	Notes	\mathcal{L}_{0}
This Memory Block affects	s T1 channels assigned as Tie lines.	

Trunk Internal Transmit Pad Selection

General Description

Use this Memory Block to specify a dB volume level for calls originated from the extensions of a local system to a distant system.

Display



CO/PBX Line Mode 3 Submode — Data No. 29 PC Programming Alt +BCT

Settings

Page 1

LK 1	LK 2	LK 3	LK 4
2	4	6	8
LK 5	LK 6	LK 7	LK 8
12	16	3	-3

Page 2

LK 1	LK 2	LK 3	LK 4
0			
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default. Settings are in dB.

Programming Procedures

1 Go off-line.

2 Press LK3 + transfer + to access the Memory Block.

3 Press the corresponding CO/PBX line key to change internal transmit pad for CO/PBX No.

1 Use the following to enter data:

1 to move the cursor left
1 to move the cursor right
1 to move the cursor right
1 to go to the next assigned CO/PBX No.

1 OR
1 Conf to go to the next assigned CO/PBX No.

1 Recall to go to the next page
1 to go to the previous page

4 Press transfer to write the data and display the next Memory Block.

5 Program the next Memory Block or press Speaker to go back on-line.

Related Programming

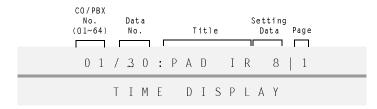
Notes The Electra Elite system divides the connections into the following patterns: (Specify the sending and receiving levels of each pattern for each of the trunks.) Connections established between the intercom stations of the Pattern A (Intercom Mode) local system and trunks. (To be specified in this Memory Block.) Sending level Receiving level Connections established between two systems, with the local Pattern B (Tandem Mode) system as a tandem system. Sending level Receiving level The Memory Block applies to Tie lines, T1, DID, and Basic Rate Interface (BRI) trunks.

Trunk Internal Receive Pad Selection

General Description

Use this Memory Block to specify a dB volume level for calls coming to extensions of a local system from a distant system.

Display



CO/PBX Line Mode

3
Submode
—
Data No.
30
PC Programming
Alt +BCT

Settings

Page 1

LK 1	LK 2	LK 3	LK 4
2	4	6	8
LK 5	LK 6	LK 7	LK 8
12	16	3	-3

Page 2

LK 1	LK 2	LK 3	LK 4
0			
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default. Settings are in dB.

Programming Procedures

1 Go off-line.

2 Press LK3 + Transfer + ② ② to access the Memory Block.

3 Press the corresponding CO/PBX line key to change internal receive pad for CO/PBX No.

Use the following to enter data:

** to move the cursor left

** to move the cursor right

** to enter numeric data or CO/PBX No.

- OR
Conf to go to the next assigned CO/PBX No.

Recall to go to the next page

Feature to go to the previous page

4 Press Transfer to write the data and display the next Memory Block.

5 Program the next Memory Block or press Speaker to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

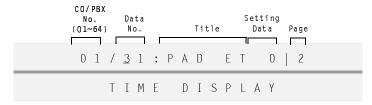
Ø, **Notes** The Electra Elite system divides the connections into the following patterns: (Specify the sending and receiving levels of each pattern for each of the trunks.) Connections established between the intercom stations of the Pattern A (Intercom Mode) local system and trunks. Sending level (To be specified in this Memory Block.) Receiving level Connections established between two systems, with the local Pattern B (Tandem Mode) system as a tandem system. Sending level Receiving level This Memory Block applies to Tie lines, T1, DID, and Basic Rate Interface (BRI) trunks.

Trunk External Transmit Pad Selection

General Description

Use this Memory Block to specify transmit dB volume level for tandem calls between a local system and two distant systems.

Display



CO/PBX Line Mode 3 Submode — Data No. 31 PC Programming Alt +BCT

Settings

Page 1

LK 1	LK 2	LK 3	LK 4
2	4	6	8
LK 5	LK 6	LK 7	LK 8
12	16	3	-3

Page 2

LK 1	LK 2	LK 3	LK 4
0			
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default. Settings are in dB.

Programming Procedures

1	Go off-line.
2	Press LK3 + Transfer + (3) (1) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change external transmit pad for CO/PBX No.
	Use the following to enter data:
	* to move the cursor left
	# to move the cursor right
	(f) ~ (g) to enter numeric data or CO/PBX No.
	– OR –
	Conf to go to the next assigned CO/PBX No.
	Recall to go to the next page
	Feature to go to the previous page
4	Press Transfer to write the data and display the next Memory Block.
5	Program the next Memory Block or press Speaker to go back on-line.

Related Programming

Notes The Electra Elite system divides the connections into the following patterns: (Specify the sending and receiving levels of each pattern for each of the trunks.) Connections established between the intercom stations of the Pattern A (Intercom Mode) local system and trunks. Sending level Receiving level Connections established between two systems, with the local Pattern B (Tandem Mode) system as a tandem system. Sending level (To be specified in this Memory Block.) Receiving level This Memory Block applies to Tie lines, T1, DID, and ISDN trunks.

Trunk External Receive Pad Selection

General Description

Use this Memory Block to specify receive dB volume level for tandem calls between a local system and two distant systems.

Display



CO/PBX Line Mode 3 Submode — Data No. 32 PC Programming Alt +BCT

Settings

Page 1

	LK 1	LK 2	LK 3	LK 4
	2	4	6	8
Г	LK 5	LK 6	LK 7	LK 8
	12	16	3	-3

Page 2

LK 1	LK 2	LK 3	LK 4
0			
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default. Settings are in dB.

Programming Procedures

1	Go off-line.
2	Press LK3 + Transfer + 3 2 to access the Memory Block.
3	Press the corresponding CO/PBX line key to change eternal receive pad for CO/PBX No.
	Use the following to enter data:
	* to move the cursor left
	# to move the cursor right
	(P) ~ (S) to enter numeric data or CO/PBX No.
	– OR –
	Conf to go to the next assigned CO/PBX No.
	Recall to go to the next page
	Feature to go to the previous page
4	Press Transfer to write the data and display the next Memory Block.
5	Program the next Memory Block or press Speaker to go back on-line.

Related Programming

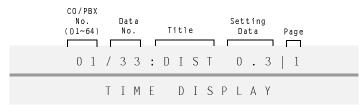
Notes The Electra Elite system divides the connections into the following patterns: (Specify the sending and receiving levels of each pattern for each of the trunks.) Connections established between the intercom stations of the Pattern A (Intercom Mode) local system and trunks. Sending level Receiving level Connections established between two systems, with the local Pattern B (Tandem Mode) system as a tandem system. Sending level Receiving level (To be specified in this Memory Block.) This Memory Block applies to Tie lines, T1, DID, and ISDN trunks.

Disconnect Recognition Time Selection

General Description

Use this Memory Block to specify the minimum time before a disconnected circuit can be accessed again.

Display



CO/PBX Line Mode 3 Submode — Data No. 33 PC Programming Alt +BCT

Settings

Page 1

LK 1	LK 2	LK 3	LK 4
0	0.1	0.2	0.3
LK 5	LK 6	LK 7	LK 8
0.4	0.5	0.6	0.7

Page 2

LK 1	LK 2	LK 3	LK 4
0.8	0.9	1.0	1.1
LK 5	LK 6	LK 7	LK 8
1.2	1.3	1.4	1.5

The shaded selection is the default. Times are in seconds.

Programming Procedures

1 Go off-line.

2 Press LK3 + Transfer + 3 3 to access the Memory Block.

3 Press the corresponding CO/PBX line key to change disconnect recognition time for CO/PBX No.

Use the following to enter data:

** to move the cursor left

** to move the cursor right

** to move the cursor right

** to enter numeric data or CO/PBX No.

- OR
Conf to go to the next assigned CO/PBX No.

Recall to go to the next page

Feature to go to the previous page

4 Press Tensfer to write the data and display the next Memory Block.

5 Program the next Memory Block or press Speaker to go back on-line.

Related Programming

Notes L

When a call origination on a CO/PBX line or Tie line is interrupted or dropped, and an attempt is made to seize the line again, it must be disconnected and cleared before it can be accessed again.

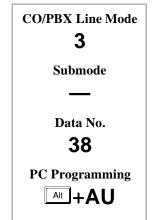
Automated Attendant Message to Trunk Selection

General Description

Use this Memory Block to assign the Automated Attendant Message for each CO/PBX Trunk. When the Automated Attendant Message is assigned to each CO/PBX Trunk, the system automatically answers the incoming call and sends an Automated Attendant Message to the calling party.

Display





Programming Procedures

1	Go off-line.
2	Press LK3 + Transfer + (3) (8) to access the Memory Block.
3	Enter data for CO/PBX No. using the dial pad to change the Automated Attendant message number. Default Values Message 1
	Setting Data: 1~8 Automated Attendant Message 1~8
	Use the following:
	* to moves the cursor left
	# to moves the cursor right
	② ~ 3 to enter numeric data or CO/PBX No.
	– OR –
	Conf to go to the next assigned CO/PBX Line No.
4	Press Transfer to write the data and display the next Memory Block.
5	Program the next Memory Block or press Speaker to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

№ Notes

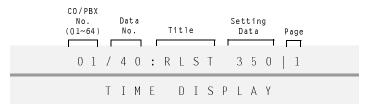
An Access Code must be dialed from the attendant telephone position to activate this feature.

Automatic Release Signal Detection Selection

General Description

Use this Memory Block to specify the signal detection time for release of a CO/PBX line after a disconnect signal is received from the distant Central Office or PBX.

Display



CO/PBX Line Mode 3 Submode Data No. 40 PC Programming Alt +BCT

Settings

Page 1

LK 1	LK 2	LK 3	LK 4
0	50	100	150
LK 5	LK 6	LK 7	LK 8
200	250	300	350

Page 2

LK 1	LK 2	LK 3	LK 4
400	450	500	550
LK 5	LK 6	LK 7	LK 8
600	650	700	∞ (NO limit)

The shaded selection is the default. Times are in milliseconds.

Programming Procedures

1	Go off-line.	
2	Press LK3 + Transfer + (2) (2) to access the Memory Block.	
3	Press the corresponding CO/PBX line key to change signal release time for CO/PBX No.	
	Use the following to enter data:	
	* to move the cursor left	
	# to move the cursor right	
	② ~ ② to enter numeric data or CO/PBX No.	
	– OR –	
	Conf to go to the next assigned CO/PBX No.	
	Recall to go to the next page	
	Feature to go to the previous page	
4	Press Transfer to write the data and display the next Memory Block.	
5	Program the next Memory Block or press Speaker to go back on-line.	

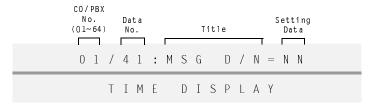
Related Programming

Delay Announcement Assignment

General Description

Use this Memory Block to specify whether or not Delay Announcement is sent to the calling party for Day and/or Night Mode per CO Port.

Display



CO/PBX Line Mode 3 Submode — Data No. 41 PC Programming Alt +AR

Settings

LK 1	LK 2	LK 3	LK 4
NN (NO)	YN (Day)	NY (Night)	YY (Both)
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.
2	Press LK3 + Transfer + 4 To to access the Memory Block.
3	Press the corresponding CO/PBX line key to assign the delay announcement for CO/PBX No.
	Use the following to enter data:
	* to move the cursor left
	# to move the cursor right
	(P) ~ (P) to enter numeric data or CO/PBX No.
	– OR –
	Conf to go to the next assigned CO/PBX No.
4	Press Transfer to write the data and display the next Memory Block.
5	Program the next Memory Block or press Speaker to go back on-line.

Related Programming

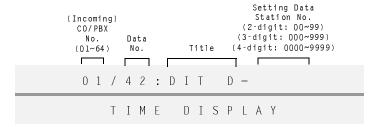
Refer to Chapter 2 Guide to Feature Programming.

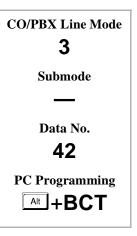
DIT Assignment

General Description

Use this Memory Block to assign a Day Mode direct trunk termination to an independent station.

Display





Programming Procedures

1	Go off-line.	
2	Press LK3 + Transfer + 😩 😩 to access the Memory Block.	
3	Enter data for CO/PBX No. using the dial pad to assign DIT to a station. Use the following: ** to moves the cursor left ** to moves the cursor right ** to moves the cursor right ** to enter numeric data or CO/PBX No.	
	- OR - Conf to go to the next assigned CO/PBX Line No. Enter the following: Station No. (2-, 3-, or 4-digits 00~9999) CO Port No. (01~64)	
4	Press Transfer to write the data and display the next Memory Block.	
5	Program the next Memory Block or press Speaker to go back on-line.	

Related Programming

M.B. Number	Memory Block Name
3-43	ANA Assignment

Notes 🛍

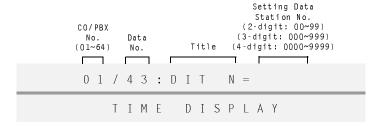
A trunk can terminate at only one station, but any number of trunks can terminate at the same station.

ANA Assignment

General Description

Use this Memory Block to assign a Night Mode Direct trunk termination to a station.

Display



CO/PBX Line Mode

3
Submode

Data No.
43
PC Programming

Alt +BCT

Programming Procedures

1	1 Go off-line.	
2	Press LK3 + Transfer + (1) (3) to access the Memory Block.	
3	3 Enter data for CO/PBX No. using the dial pad to assign ANA to a station.	Default Values
	Use the following:	No Assignment
	* to moves the cursor left	
	# to moves the cursor right	
	(a) ~ (b) to enter numeric data or CO/PBX No.	
	– OR –	
	conf to go to the next assigned CO/PBX Line No.	
	Enter the following:	
	Station No. (2-, 3-, or 4-digits 00~9999)	
	CO Port No. (01~64)	
4	4 Press Transfer to write the data and display the next Memory Block.	
5	5 Program the next Memory Block or press Speaker to go back on-line.	

Related Programming

M.B. Number	Memory Block Name
3-42	DIT Assignment

Notes 🛍

A trunk can terminate at only one station, but any number of trunks can terminate at the same station.

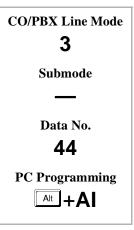
Caller ID Display Assignment for CO/PBX Line

General Description

Use this Memory Block to assign one Multiline Terminal to display ANI/Caller ID Indication for incoming CO/PBX calls per CO/PBX line.

Display





Programming Procedures

1	Go off-line.	
2	Press LK3 + Transfer + (4) (4) to access the Memory Block.	
3	Enter data for CO/PBX No. using the dial pad to assign ANI/Caller ID to a station. Default Values	
	Use the following: No Assignment	
	* to moves the cursor left	
	# to moves the cursor right	
	\[\bigcircle{\cappa} \] to enter numeric data or CO/PBX No.	
	– OR –	
	Conf to go to the next assigned CO/PBX Line No.	
	Enter the following:	
	Station No. (2-, 3-, or 4-digits 00~9999)	
	CO Port No. (01~64)	
4	Press fransfer to write the data and display the next Memory Block.	
5	Program the next Memory Block or press Speaker to go back on-line.	

Related Programming

Refer to Chapter 2 Guide to Feature Programming.



To display ANI/Caller ID Indication for normal incoming CO calls and CAR incoming calls, both Caller ID Indication and Ring assignment must be Programmed. A maximum of 15 Multiline Terminals can be assigned system-wide to display ANI/Caller ID for normal incoming CO calls and CAR incoming calls using Memory Block 1-1-78 (Caller ID Display Assignment for System Mode). Another Multiline Terminal can be assigned to display ANI/Caller ID Indication for normal incoming CO calls, per CO line, using this Memory Block.

Live Record Trunk Selection

General Description

Use this Memory Block to specify per Trunk whether or not to allow Live Record for Digital Voice Mail.

Display



CO/PBX Line Mode 3 Submode — Data No. 45 PC Programming Alt +AV

Settings

LK 1	LK 2	LK 3	LK 4
NO	YS		
LK 5	LK 6	LK 7	LK 8
LICO	LIVO	LIX	LIVO

The shaded selection is the default.

Programming Procedures

1	Go off-line.		
2	Press LK3 + Transfer + 4 5 to access the Memory Block.		
3	Press LK2 to assign Live Record for CO/PBX No. Default Values		
	Use the following to enter data:		
	* to move the cursor left		
	# to move the cursor right		
	(f) ~ (g) to enter numeric data or CO/PBX No.		
	– OR –		
	conf to go to the next assigned CO/PBX No.		
4	Press Transfer to write the data and display the next Memory Block.		
5	Program the next Memory Block or press Speaker to go back on-line.		

Related Programming

M.B. N	Number	Memory Block Name	
1-8	8-08	Class of Service (Station) Feature Selection 2	

YS must be assigned for each trunk to select this feature.

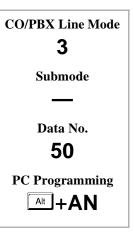
ISDN Line SPID Assignment

General Description

Use this Memory Block to assign the Integrated Services Digital Network Service Profile Identifier (ISDN SPID) number.

Display





Programming Procedures

1	Go off-line.	
2	Press LK3 + Transfer + 3 to access the Memory Block.	
3	Enter data for CO/PBX No. using the dial pad to assign ISDN SPID to a station. Use the following:	
	 ★ to moves the cursor left ★ to moves the cursor right ♠ ~ ② to enter numeric data or CO/PBX No. 	
	- OR - Conf to go to the next assigned CO/PBX Line No.	
4	Press Transfer to write the data and display the next Memory Block.	
5	Program the next Memory Block or press Speaker to go back on-line.	

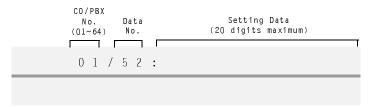
Related Programming

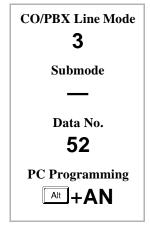
ISDN Trunk Directory Number Assignment

General Description

Use this Memory Block to assign the Integrated Services Digital Network (ISDN) Directory Number.

Display





Programming Procedures

1	Go off-line.
2	Press LK3 + Transfer + (2) (2) to access the Memory Block.
3	Enter data for CO/PBX No. using the dial pad to assign ISDN Directory Number.
	Use the following:
	* to moves the cursor left
	# to moves the cursor right
	(P) ~ (P) to enter numeric data or CO/PBX No.
	– OR –
	Conf to go to the next assigned CO/PBX Line No.
4	Press Transfer to write the data and display the next Memory Block.
5	Program the next Memory Block or press Speaker to go back on-line.

Related Programming

Caller Name Indication Selection

General Description

When an Caller ID number is detected, the Electra Elite 48/192 system can check the speed dialing buffer for a match. When a name is assigned to a matched number, the name can be displayed, when allowed by this assignment.

Display



CO/PBX Line Mode 3 Submode — Data No. 53 PC Programming Alt + AI

Settings

LK 1	LK 2	LK 3	LK 4
NO	NUM	NAM	
LK 5	LK 6	LK 7	LK 8
TRK			

The shaded selection is the default.

Programming Procedures

1	Go off-line.			
2	2 Press LK3 + Transfer + (5) (3) to access the Memory Block.	Press LK3 + Transfer + ② ③ to access the Memory Block.		
3	3 Press the corresponding CO/PBX line key to change the data of	otion.		
	Use the following to enter data:			
	* to move the cursor left			
	To enter numeric data or CO/PBX No.			
	– OR –			
	Conf to go to the next assigned CO/PBX No.	to go to the next assigned CO/PBX No.		
	Settings include:			
	NO Disables caller name display.			
	NUM Selected when system speed dial buffers are ass number matches a speed dial number.	igned a number; the number is displayed when Caller ID		
		NAM Selected when system speed dial buffers are assigned a name; the name is displayed when it is assigned to a matched number and Caller ID number matches the speed dial number.		
	TRK Selected if you want the trunk name or number (Trunk Name/Number Assignment).	to be displayed when data is assigned in Memory Block 3-00		
4	4 Press Transfer to write the data and display the next Memory Block	Press Transfer to write the data and display the next Memory Block.		
5	5 Program the next Memory Block or press Speaker to go back on-	Program the next Memory Block or press Speaker to go back on-line after all data is written.		

Related Programming

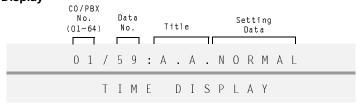
Refer to Chapter 2 Guide to Feature Programming.

Automated Attendant Function Selection

General Description

Use this Memory Block to specify whether the Automated Attendant is to operate in the Normal DISA Mode or in the Delay Announcement mode.

Display



CO/PBX Line Mode 3 Submode — Data No. 59 PC Programming Alt +AU

Settings

LK 1	LK 2	LK 3	LK 4
NORMAL	DELAY		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.		
2	Press LK3 + Transfer + ② ② to access the Memory Block.		
3	Press LK2 to Delay Announcement Mode on CO/PBX No.		
	Use the following to enter data:		
	* to move the cursor left		
	# to move the cursor right		
	(f) ~ (g) to enter numeric data or CO/PBX No.		
	– OR –		
	conf to go to the next assigned CO/PBX No.		
4	Press Transfer to write the selected data and display the next Memory Block.		
5	Program the next Memory Block or press Speaker to go back on-line.		

Related Programming

M.B. Number	Memory Block Name	
1-4-18	1-4-18 Automated Attendant Delay Announcement Assignment	
1-4-19 Automated Attendant 1st to 2nd Delay Announcement Interval Time Selection		
1-4-20 Automated Attendant Delay Announcement Disconnect Time Selection		

DIT/ANA Delay Answer Time Selection

General Description

Use this Memory Block to specify the time an incoming call rings before being changed to a DIT/ANA call.

System Software S4000 or higher is required.

Display



CO/PBX Line Mode 3 Submode — Data No. 61 PC Programming Alt + BCT

Settings

LK 1	LK 2	LK 3	LK 4
0s	5s	10s	20s
LK 5	LK 6	LK 7	LK 8
30s	40s	50s	60s

The shaded selection is the default.

Programming Procedures

1	Go off-line.
2	Press LK3 + Transfer + (2) (1) to access the Memory Block.
3	Press the applicable line key to change the time an incoming call rings before it is changed to a DIT/ANA call on CO/PBX NO. Use the following to enter data: ** to move the cursor left ** to move the cursor right ** one of
	- OR -
	Conf to go to the next assigned CO/PBX No.
4	Press Transfer to write the selected data and display the next Memory Block.
5	Program the next Memory Block or press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
3-42	DIT Assignment
3-43	ANA Assignment
3-62	DIT Tenant Assignment

When the time is set to a value other than 0, call termination is treated as a normal incoming call and DIT termination is performed after the time elapses. When 0 is selected, DIT call termination is performed immediately.

DIT Tenant Assignment

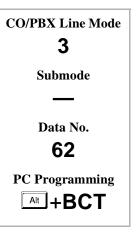
General Description

Use this Memory Block to assign each Trunk to a MasterTenant for the DIT/ANA to follow the Day/Night/Weekend mode settings.

System Software S4000 or higher is required.

Display





Programming Procedures

1	Go off-line.		
2	Press LK3 + Transfer + (2) (2) to access the Memory Block.		
3	Select the CO/PBX Line No. and enter the Tenant No.		
	Use the following:	Default Values	
	* to move the cursor left.	Tenant 00	
	# to move the cursor right. # in the cursor right.		
	(f) ~ (g) to enterTenant No. or CO/PBX No.		
	– OR –		
	to go to the next assigned CO/PBX Line No.		
4	Press Transfer to write the data and display the next Memory Block.		
5	Program the next Memory Block or press Speaker to go back on-line.		

Related Programming

M.B. Number	Memory Block Name
3-42	DIT Assignment
3-43	ANA Assignment

DIT Weekend Mode Selection

General Description

Use this Memory Block to enable weekend (Holiday) Mode check on Tenant Groups for incoming DIT calls.

System Software S4000 or higher is required.

Display



CO/PBX Line Mode 3 Submode — Data No. 63 PC Programming Att +BCT

Settings

LK 1	LK 2	LK 3	LK 4
YS	NO		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

DIT Night Mode Delay Answer Selection

General Description

Use this Memory Block to specify whether or not the DIT Delay Answer Time applies to the CO/PBX calls ringing in Night Mode.

System Software S4000 or higher is required.



CO/PBX Line Mode 3 Submode — Data No. 64 PC Programming Alt + BCT

Settings

LK 1	LK 2	LK 3	LK 4
NO	YS		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.		
2	Press LK3 + Transfer + 🚳 🐔 to access the Memory Block.		
3	Press LK2 to apply DIT Delay Answer time for incoming DIT calls ringing in night mode on CO/PBX No. Use the following to enter data: ** to move the cursor left ** to move the cursor right ** to enter numeric data or CO/PBX No. - OR - ** to go to the next assigned CO/PBX No.		
4	Press Transfer to write the selected data and display the next Memory Block.		
5	Program the next Memory Block or press Speaker to go back on-line.		

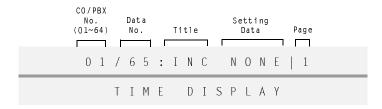
Hold Tone Automated Attendant Selection

General Description

Use this Memory Block to specify the Automated Attendant message that is played to an extension or DID trunk on an incoming call.

System Software S5000 is required.

Display



CO/PBX Line Mode 3 Submode — Data No. 65 PC Programming Alt + AU

Settings

Page 1

LK 1	LK 2	LK 3	LK 4
NONE	MSG 1	MSG 2	MSG 3
LK 5	LK 6	LK 7	LK 8
MSG 4	MSG 5	MSG 6	MSG 7

Page 2

LK 1	LK 2	LK 3	LK 4
MSG 8			
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

Related Programming

M.B. Number	Memory Block Name
1-4-11	Automated Attendant Message Day/Night Mode Selection
1-4-17	Automated Attendant Delay Announcement Hold Tone Selection

CO/PBX Ringing Pattern Selection

General Description

Use this Memory Block to specify the ringing pattern assigned to each CO/PBX line.

System Software S5000 or higher is required.

Display



CO/PBX Line Mode
3
Submode
—
Data No.
67
PC Programming
Alt +BCT

Settings

Page 1

LK 1	LK 2	LK 3	LK 4
None	Ringing Pattern	Ringing Pattern	Ringing Pattern
	A	B	C
LK 5	LK 6	LK 7	LK 8
Ringing Pattern	Ringing Pattern	Ringing Pattern	Ringing Pattern
D	E	F	G

Page 2

0			
LK 1	LK 2	LK 3	LK 4
Ringing Pattern H			
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

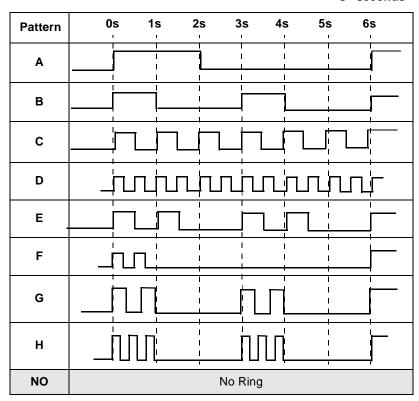
Programming Procedures

Related Programming

M.B. Number	Memory Block Name	
4-57	CO Line Ringing Pattern Priority Selection	

The Ring Patterns are shown in the table below:

s= seconds



911 - Cut Through Trunk Selection

General Description

Use this Memory Block to specify which Trunk or Trunks are released when a 911 call is placed.

System Software S5500 or higher is required.

Display



CO/PBX Line Mode 3 Submode — Data No. 69 PC Programming Alt +AE

Settings

LK 1	LK 2	LK 3	LK 4	
NO	YES			
LK 5	LK 6	LK 7	LK 8	

The shaded selection is the default.

Programming Procedures

1 Go off-line.

2 Press LK3 + Transfer + ② 3 to access the Memory Block.

3 Use the following to enter data:

③ to move the cursor left

④ to move the cursor right

② ~ ③ to enter numeric data or CO/PBX No.

— OR —

Conf to go to the next assigned CO/PBX No.

4 Press the corresponding CO/PBX line key to change the Setting Data option.

5 Press Transfer to write the selected data and display Memory Block 3-00 CO/PBX 02. After the last CO/PBX is programmed, CO/PBX 01 is displayed again.

Related Programming

M.B. Number	Memory Block Name	
3-03	Trunk-to-Trunk Group Assignment	
3-33	Disconnect Recognition Time Selection	
3-91	Trunk Type Selection	
1-1-24	PBX/CTX Access Code Assignment I	
1-1-25	PBX/CTX Access Code Assignment II	

№ Notes

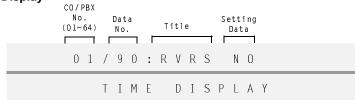
- 1. When only one trunk is assigned YES, this is the only trunk used for 911-Cut Through.
- 2. The following calls are not used for 911-Cut Through: Receiving Normal Incoming Call, Receiving DIT/ANA Call, Incoming Automated Attendant, Originating 911 Call, and Receiving ACD Incoming Call.

Polarity Reverse Selection

General Description

Use this Memory Block to enable a Central Office to Reverse the Polarity to provide an answer supervision signal. In North America and Canada, this type of answer supervision is not normally supported by the CO.

Display



CO/PBX Line Mode 3 Submode

Data No.

90

PC Programming

At +BCT

Settings

LK 1	LK 2	LK 3	LK 4
NO	YS		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.
2	Press LK3 + Transfer + 2 to access the Memory Block.
3	Press LK2 to reverse polarity for an answer supervision signal on CO/PBX No.
	Use the following to enter data:
	* to move the cursor left
	# to move the cursor right
	(g) ~ (g) to enter numeric data or CO/PBX No.
	– OR –
	to go to the next assigned CO/PBX No.
4	Press Transfer to write the selected data and display the next Memory Block.
5	Continue the Memory Block 3-90~3-92 cycle until CO/PBX No. 01 is displayed again.
6	Press Speaker to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

∠□ Notes **∠**□

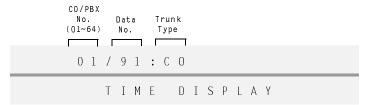
This Memory Block applies to Loop Start or Ground Start Trunks only.

Trunk Type Selection

General Description

Use this Memory Block to specify an external line as a CO, PBX/CTX, Tie/DID, or CTX Assume - 9 line.

Display



CO/PBX Line Mode 3 Submode — Data No. 91 PC Programming Alt + BCT

Settings

LK 1	LK 2	LK 3	LK 4
СО	PBX (or CTX)	TIE	DID
LK 5	LK 6	LK 7	LK 8
CTX (Assume - 9)			

The shaded selection is the

Programming Procedures

1	Go off-line.
2	Press LK3 + Transfer + (2) (1) to access the Memory Block.
3	Press line key to specify trunk type for CO/PBX No.
	Use the following to enter data:
	* to move the cursor left
	# to move the cursor right
	(g) ~ (g) to enter numeric data or CO/PBX No.
	– OR –
	Conf to go to the next assigned CO/PBX No.
4	Press Transfer to write the selected data and display the next Memory Block.
5	Program the next Memory Block or press Speaker to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

№1 Notes

- 1. This Memory Block affects T1 channels assigned as Tie/DID lines.
- Integrated Services Digital Network (ISDN) lines can be assigned as PBX/CTX or CTX Assume 9. A CTX
 Transfer does not work on ISDN lines.

Trunk (Installed, DP/DTMF) Selection

General Description

Use this Memory Block to specify an external line as DP (10 pps or 20 pps), DTMF line, or not connected (NIL).

Display



CO/PBX Line Mode 3 Submode — Data No. 92 PC Programming Alt +BCT

Settings

LK 1	LK 2	LK 3	LK 4
NIL	DP 10pps	DP 20pps	MF
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.
2	Press LK3 + Transfer + 2 2 to access the Memory Block.
3	Press line key to specify external line as DP or DTMF for CO/PBX No.
	Use the following to enter data:
	* to move the cursor left
	# to move the cursor right
	– OR –
	to go to the next assigned CO/PBX No.
4	Press Transfer to write the selected data and display the next CO/PBX No. for Memory Block 3-90. After CO/PBX No. 64 is entered, CO/PBX No. 01 is again displayed on Memory Block 3-90.

Related Programming

M.B. Number	Memory Block Name	
3-14	Tie Line Type Assignment	
4-12	Line Key Selection for Telephone Mode	

∠□ Notes **∠**□

Only Tie lines and Direct Inward Dialing (DID) trunks can use dial pulse on the Electra Elite system. All other trunks must be set to multifrequency (MF).

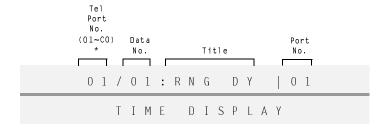
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CO/PBX Ring Assignment (Day Mode)

General Description

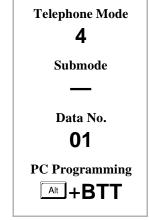
Use this Memory Block to assign incoming CO/PBX calls to ring on Multiline Terminals in Day Mode.

Display



Settings 1

Tel Port Number	Meaning	Operation
*A0~A9	100~109	Redial + 1 for A
*B0~B9	110~119	Redial + 2 for B
*C0	120	Redial + 3 for C



Settings 2

Page 1 – Trunks 01~08

LK 1	LK 2	LK 3	LK 4
01	02	03	04
LK 5	LK 6	LK 7	LK 8
05	06	07	08

Page 2 - Trunks 09~16

LK 1	LK 2	LK 3	LK 4
09	10	11	12
LK 5	LK 6	LK 7	LK 8
13	14	15	16

Page 3 - Trunks17~24

LK 1	LK 2	LK 3	LK 4
17	18	19	20
LK 5	LK 6	LK 7	LK 8
21	22	23	24

Page 4 – Trunks 25~32

LK 1	LK 2	LK 3	LK 4
25	26	27	28
LK 5	LK 6	LK 7	LK 8
29	30	31	32

Page 5 - Trunks 33~40

LK 1	LK 2	LK 3	LK 4
33	34	35	36
LK 5	LK 6	LK 7	LK 8
37	38	39	40

Page 6 - Trunks 41~48

LK 1	LK 2	LK 3	LK 4
41	42	43	44
LK 5	LK 6	LK 7	LK 8
45	46	47	48

Page 7 - Trunks 49~56

LK 1	LK 2	LK 3	LK 4
49	50	51	52
LK 5	LK 6	LK 7	LK 8
53	54	55	56

Page 8 - Trunks 57~64

LK 1	LK 2	LK 3	LK 4
57	58	59	60
LK 5	LK 6	LK 7	LK 8
61	62	63	64

The shaded selection is the default.

Programming Procedures

3	Press the CO/PBX Line key to select Day ring assignment for Tel Port No.	Default Values:	
2	Press LK4 to access the Memory Block.		
1	Go off-line.		

The LED indication changes to indicate data each time a CO/PBX line key is pressed.

CO/PBX Line Key LED	Off	Green	Red
Data	No ring	Immediate Ring	Delayed Ring

CO/PBX lines 01 ~ 08 ring at Tel Port numbers 01 and 02.

Tel Port numbers 03 ~ 120 do not ring on any incoming CO/PBX calls.

- Use the following:
 - * to move the cursor left
 - #) to move the cursor right
 - ② ~ ⑤ to enter numeric data or Tel Port No.

– OR –

Conf to go to next assigned Tel Port No.

Recall to go to the next page

Feature to go to the previous page

- 4 press Transfer to write the data and display Memory Block 4-02.
- 5 After programming Memory Blocks 4-02~4-59, the next sequential Tel Port No. is automatically displayed.
- 6 Repeat steps 3, 4, and 5 until all Tel Port Nos. are programmed. Tel Port No. 01 is displayed again.
- 7 Press Speaker to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

№ Notes

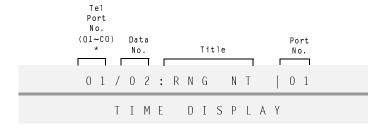
Telephone ports A0~C0 are ports 100~120. Refer to Settings 1 to enter ports A0~C0.

CO/PBX Ring Assignment (Night Mode)

General Description

Use this Memory Block to assign incoming CO/PBX calls to ring in Night Mode.

Display



Settings 1

Tel Port Number	Meaning	Operation
*A0~A9	100~109	Redial + 1 for A
*B0~B9	110~119	Redial + 2 for B
*C0	120	Redial + 3 for C



Settings 2

Page 1 – Trunks 01~08

LK 1	LK 2	LK 3	LK 4
01	02	03	04
LK 5	LK 6	LK 7	LK 8
05	06	07	08

Page 2 – Trunks 09~16

LK 1	LK 2	LK 3	LK 4
09	10	11	12
LK 5	LK 6	LK 7	LK 8
13	14	15	16

Page 3 - Trunks 17~24

- 3			
LK 1	LK 2	LK 3	LK 4
17	18	19	20
LK 5	LK 6	LK 7	LK 8
21	22	23	24

Page 4 - Trunks 25~32)

LK 1	LK 2	LK 3	LK 4
25	26	27	28
LK 5	LK 6	LK 7	LK 8
29	30	31	32

Page 5 – Trunks 33~40

LK 1	LK 2	LK 3	LK 4
33	34	35	36
LK 5	LK 6	LK 7	LK 8
37	38	39	40

Page 6 - Trunks 41~48

LK 1	LK 2	LK 3	LK 4
41	42	43	44
LK 5	LK 6	LK 7	LK 8
45	46	47	48

Page 7 - Trunks 49~56)

LK 1	LK 2	LK 3	LK 4
49	50	51	52
LK 5	LK 6	LK 7	LK 8
53	54	55	56

Page 8 – Trunks 57~64)

LK 1	LK 2	LK 3	LK 4
57	58	59	60
LK 5	LK 6	LK 7	LK 8
61	62	63	64

The shaded selection is the default.

Programming Procedures

1	Go off-line.					
2	Press LK4 + ② ③ to access the Memory Block.					
3	Press the CO/PBX L	ine key to select	night ring assignm	ent for Tel Port I	No.	Default Values:
	The LED indication changes to indicate data each time a CO/PBX line key is pressed. CO/PBX Line Key LED Off Green Red Data No ring Immediate Ring Ring Use the following:				CO/PBX lines 01 ~ 08 ring at Tel Port numbers 01 and 02.	
					Tel Port numbers 03 ~ 120 do not ring on any incoming CO/PBX calls.	
	_	the cursor right				
		nter numeric data	a or Tel Port No.			
		– OR –				
	Conf to go	to next assigned	I Tel Port No.			
Recall to go to the next page						
	Feature to go	to the previous p	age			
4	Press Transfer To write	e the data and dis	splay the next Mer	nory Block.		
5	Program the next Mo	emory Block or p	ess Speaker to go b	ack on-line.		

Related Programming

No related programming is necessary for this Memory Block.

Notes La

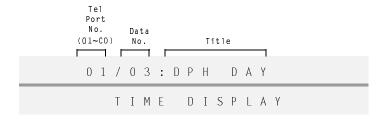
Telephone ports A0~C0 are ports 100~120. Refer to Settings 1 to enter ports A0~C0.

Doorphone Chime Assignment (Day Mode)

General Description

Use this Memory Block to assign up to four doorphones to chime at each station in day mode.

Display



Telephone Mode
4
Submode
—
Data No.
03
PC Programming
Alt +BTP

Settings

Ports 01~08

LK 1	LK 2	LK 3	LK 4
DPH1	DPH2	DPH3	DPH4
LK 5	LK 6	LK 7	LK 8

Default not assigned.

Programming Procedures

1	Go off-line.				
2	Press LK4 + ② ③ to access the Memory Block.				
3	Use LK1~LK4 to assign doorphones 1~4 to chime for Day Mode on Tel Port No. Default Values Ports 01 and 02 chime				
	* to move the cursor left	doorphones.			
	(a) ~ (b) to enter numeric data or Tel Port No.				
	– OR –				
	Conf to go to next assigned Tel Port No				
	Redial +1 to enter A for Port Numbers 100~109				
	Redial +2 to enter B for Port Numbers 110~119				
	Redial +3 to enter C for Port Number 120				
4	Press Transfer To write the data and display the next Memory Block.				
5	Program the next Memory Block or press Speaker to go back on-line.				

M.B. Number	Memory Block Name		
1-7-00	Doorphone Assignment		
1-7-01	Doorphone Display Time Selection		
1-7-04	Doorphone Ringing Pattern Selection		
1-7-05	Doorphone Ringing Frequency Selection		

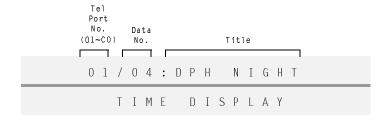
L D	Notes	$\mathbb{Z}_{\mathbb{D}}$
Telephone ports A0~C0 are ports 100~120.		

Doorphone Chime Assignment (Night Mode)

General Description

Use this Memory Block to assign up to four doorphones to chime at each station in Night Mode.

Display



Telephone Mode 4 Submode — Data No. 04 PC Programming Alt +BTP

Settings

Ports 01~08

LK 1	LK 2	LK 3	LK 4
DPH1	DPH2	DPH3	DPH4
LK 5	LK 6	LK 7	LK 8

The shaded selections indicate default.

Programming Procedures

Go off-line. Press + (P) (4) to access the Memory Block. Use LK1~LK4 to assign doorphones 1~4 to chime for Night Mode on Tel Port No. **Default Values** Use the following: Ports 01 and 02 chime for all doorphones. * to move the cursor left #) to move the cursor right (P) ~ (P) to enter numeric data or Tel Port No. - OR -Conf to go to next assigned Tel Port No. (Redial) +1 to enter A for Port Numbers 100~109 Redial +2 to enter B for Port Numbers 110~119 Redial +3 to enter C for Port Number 120 Press Transfer To write the data and display the next Memory Block. Program the next Memory Block or press Speaker to go back on-line.

M.B. Number	Memory Block Name
1-7-00	Doorphone
1-7-01	Doorphone Display Time Selection
1-7-04	Doorphone Ringing Pattern Selection
1-7-05	Doorphone Ring Frequency Selection

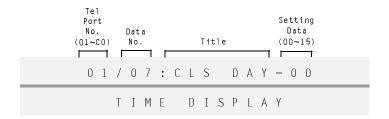
L D	Notes	$\mathbb{Z}_{\mathbb{D}}$
Telephone ports A0~C0 are ports 100~120.		

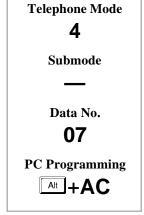
Code Restriction Class Assignment (Day Mode)

General Description

Use this Memory Block to specify Code Restriction Class per station in Day Mode.

Display



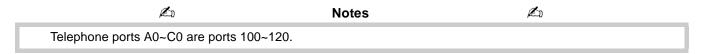


Programming Procedures

1	Go off-line.		
2	Press LK4 + ② 3 to access the Memory Block.		
3	Use dial pad to change Day Mode Restriction Class 00 forTel Port No. Default Values		
	13	Use the following:	All Stations Class 00
		* to move the cursor left	
		#) to move the cursor right	
		(a) ~ (b) to enter numeric data or Tel Port No.	
	– OR –		
		Conf to go to next assigned Tel Port No.	
		Redial +1 to enter A for Port Numbers 100~109	
		Redial +2 to enter B for Port Numbers 110~119	
		Redial +3 to enter C for Port Number 120	
4	Press	Transfer To write the data and display the next Memory Block.	
5	Progr	am the next Memory Block or press Speaker to go back on-line.	

Related Programming

Refer to Section 6 Code Restriction in this chapter.



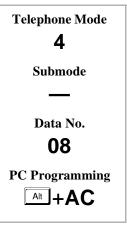
Code Restriction Class Assignment (Night Mode)

General Description

Use this Memory Block to specify Code Restriction Class per station in Night Mode.

Display





Programming Procedures

1	Go off-line.		
2	Press LK4 + . to access the Memory Block.		
3	Use dial pad to change Night Mode Restriction Class 00 for Tel Port No. Default Values		
	Use the following: All Stations Class 00		
	* to move the cursor left		
	move the cursor right move the cursor right		
	(a) ~ (b) to enter numeric data or Tel Port No.		
	– OR –		
	Conf to go to next assigned Tel Port No.		
	Redial +1 to enter A for Port Numbers 100~109		
	Redial +2 to enter B for Port Numbers 110~119		
	Redial +3 to enter C for Port Number 120		
4	press Transfer to write the data and display the next Memory Block.		
5	Program the next Memory Block or press Speaker to go back on-line.		

Related Programming.

Refer to Section 6 Code Restriction in this chapter.

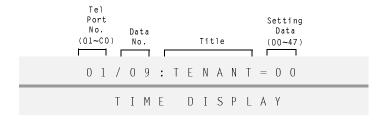
L	Notes	L
Telephone ports A0~C0 are ports 100~120.		

Telephone to Tenant Assignment

General Description

Use this Memory Block to specify Tenant Assignment per station.

Display



Telephone Mode
4
Submode
—
Data No.
09
PC Programming
Alt +BTT

Programming Procedures

1	Go off-line.		
2	Press LK4 + ② 3 to access the Memory Block.		
3	Use dial pad to change telephone to Tenant Assignment for Tel Port No. Default Values All Telephones Tenant 00		
	Use the following: * to move the cursor left * to move the cursor right	7 in receptioned remains of	
	 ~ ② to enter numeric data or Tel Port No. - OR -		
	Conf to go to next assigned Tel Port No. Redial +1 to enter A for Port Numbers 100~109		
	Redial +2 to enter B for Port Numbers 110~119 Redial +3 to enter C for Port Number 120		
4	Press Transfer To write the data and display the next Memory Block.		
5	Program the next Memory Block or press Speaker to go back on-line.		

M.B. Number	Memory Block Name	
2-01	Trunk To Tenant Assignment	
2-05	Line Key Selection	
2-06	Line Key Selection for Tenant Mode	
2-07	System Speed Dial Display Assignment	
2-08	ECR Relay to Tenant Assignment	

Notes &

1. Stations can be assigned to one of 48 Tenant Number (00 \sim 47).

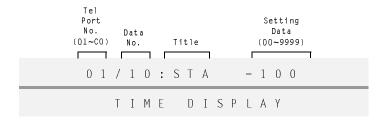
- 2. The Call Pickup group is determined by Tenant assignment.
- 3. Telephone ports A0~C0 are ports 100~120.

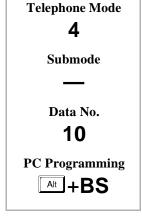
Station Number Assignment

General Description

Use this Memory Block to assign a station number to each telephone.

Display





Programming Procedures

1	Go off-line.			
2	Press LK4 + ① ② to access the Memory Block.			
3	Use dial pad to assign a 2- (00~99), 3- (000~999), or 4-digit (0000~9999) station number for Tel Port No. Use the following: Default Values Valid Station Numbers are 100~399.		are	
	* to move the cursor left * to move the cursor right * \(\mathbb{Q} \) \(\tilde{Q} \) to enter numeric data or Tel Port No.			
	- OR -			
	Conf to go to next assigned Tel Port No.			
	Redial +1 to enter A for Port Numbers 100~109			
	Redial +2 to enter B for Port Numbers 110~119			
	Redial +3 to enter C for Port Number 120			
4	Press Transfer To write the data and display the next Memory Block.			
5	Program the next Memory Block or press Speaker to go back on-line.			

M.B. Number	Memory Block Name	
1-1-46	Access Code (1-Digit) Assignment	
1-1-47	Access Code (2-Digit) Assignment	
1-2-03	2-, 3-, or 4-Digit Station Number Selection	

∠□ Notes

1. Station Number Assignment is per station. A station number cannot be assigned to more than one telephone. A telephone cannot have more than one station number.

- 2. When changing Station Numbers to a different numbering plan perform the following steps in order.
 - a. Select Station Numbers using Memory Block 1-2-03 (2-,3-, or 4-digit Station Number Selection).
 - b. Program applicable Access Code in Memory Block 1-1-46 [Access Code (1-Digit) Assignment] or 1-1-47 [Access Code (2-Digit) Assignment].
 - c. Program all Station Numbers using this Memory Block.
- 3. Telephone ports A0~C0 are ports 100~120.

Ringing Line Preference Selection

General Description

Use this Memory Block to specify whether or not each station user can answer incoming ringing CO/PBX calls by going off-hook.

Display



Telephone Mode 4 Submode — Data No. 11 PC Programming Alt +BTM

Settings

LK 1	LK 2	LK 3	LK 4
NO	YS		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.	
2	Press LK4 + ① ① to access the Memory Block.	
3	Press CO/PBX LK1 to prevent the Tel Port No. station user from answering incoming ringing CO/PBX calls by going off hook. Use the following:	
	* to move the cursor left	
	# to move the cursor right	
	(Ps) ~ (Ps) to enter numeric data or Tel Port No.	
	– OR –	
	Conf to go to next assigned Tel Port No.	
	Redial +1 to enter A for Port Numbers 100~109	
	Redial +2 to enter B for Port Numbers 110~119	
	Redial +3 to enter C for Port Number 120	
4	Press Transfer To write the data and display the next Memory Block.	
5	Program the next Memory Block or press Speaker to go back on-line.	

M.B. Number	Memory Block Name	
4-01	CO/PBX Ring Assignment (Day Mode)	
4-02	CO/PBX Ring Assignment (Night Mode)	

№ Notes

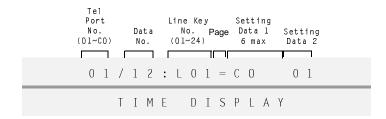
- 1. Programming for this Memory Block applies to Ring Assigned telephones only.
- 2. An intercom call cannot be originated after a ring assigned CO/PBX line terminates on the telephone.
- 3. Telephone ports A0~C0 are ports 100~120.
- 4. PS II telephone ports should have ringing line preference set to Yes.

Line Key Selection for Telephone Mode

General Description

Use this Memory Block to assign a function to each CO/PBX line key on each telephone in a tenant specified as Telephone Mode in Memory Block 2-05 (Line Key Selection).

Display



Submode Data No. 12 PC Programming Alt +BTM

Telephone Mode
4

Settings

Page 1

LK 1	LK 2	LK 3	LK 4
NON	СО	FW BNA	FW ALL
LK 5	LK 6	LK 7	LK 8
Call Appearance Key	Feature Access Key	TKGP	Route Advance

Page 2

LK 1	LK 2	LK 3	LK 4
SIE	Microphone	H SET	SCROLL (ANI/Caller ID)
LK 5	LK 6	LK 7	LK 8
DND (On/Off)	LOG (On/Off)	BGM (On/Off)	ICM

The shaded selection is the default.

Programming Procedures

1	Go off-line.	
2	Press LK4 + ① ② to access the Memory Block. Verify that Memory Block 2-05 is	s set to TEL.
3	Press the CO/PBX line key to select a function for Line Key No. 1, and use dial keys to enter Setting Data 2 if required. Use the following:	Default Values For Tel 01~CO: LK01~08 Assigned to CO/PBX lines 01~08.
	* to move the cursor left	
	# to move the cursor right	
	$ \mathcal{Q}_{\text{cr}} \sim \mathcal{Q}_{\text{cr}} $ to enter numeric data or Tel Port No.	
	– OR –	
	Conf to go to next assigned Tel Port No.	
	Recall to go to the next page, or + to switch to page 2	
	Feature to go to the previous page, or = to switch to page 1	
	Redial +1 to enter A for Port Numbers 100~109	
	Redial +2 to enter B for Port Numbers 110~119	
	Redial +3 to enter C for Port Number 120	
	For example, to assign Trunk Group 5 to CO/PBX line key 1, press LK7 to display the TKGP, and enter 05 using the dial pad.	
4	Press Transfer to write the data and display the next Line Key No.	
5	Repeat Steps 3 and 4 for each Line Key assignment. After Line Key No. 24 is prog	rammed, the next Memory Block is displayed.
6	Program the next Memory Block or press Speaker to go back on-line.	

M.B. Number	Memory Block Name
2-05	Line Key Selection (Tenant Mode)



- 1. A minimum of two call appearance keys should be assigned to each PS II.
- 2. System Software S4000 or higher is required to switch pages using + and =.

Setting Data Page 1

Line Key	Functions [For each telephone in tenant specified as Telephone Mode in Memory Block 2-05 (Line Key Selection)]	Setting Data 1 LCD Indication	Setting Data 2
1	Not Specified	NON	N/A
2	CO/PBX line	со	01~64
3	Call Forward - Busy/No Answer	FW BNA	N/A
4	Call Forward - All Call	FW ALL	N/A
5	Call Appearance Block	C00~C47 (Call Appearance Block)	Call Appearance Key 01~24
6	Feature Access	FA	01~16
7	Trunk Group	TKGP	01~32
8	Route Advance	ADV	01~16

Setting Data Page 2

1	Secondary Incoming Extension, including CAR	SIE	Telephone Port No. 01~99, A0~C0
2	Microphone	MIC	N/A
3	Headset	H SET	N/A
4	Scroll Key for ANI/Caller ID	SCROLL	N/A
5	Do Not Disturb - Break Mode On/Off	DND	N/A
6	Log On/Off	LOG	N/A
7	Background Music On/Off	BGM	N/A
8	Intercom Key	ICM	N/A

№ Notes

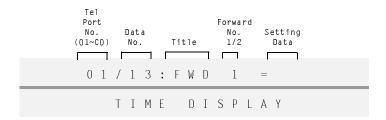
- 1. When an Electra Elite 48/192 system is installed as a Key Function (KF) system, all COs must be assigned to the line keys. Trunk groups, Route Advance Blocks and Least Cost Routing (LCR) cannot be assigned.
- 2. At system default, line keys 09~24 are not assigned.
- 3. Telephone ports A0~C0 are ports 100~120.
- 4. System Software S5000 or higher is required to provide 16 Feature Access keys. System Software S4500 or below provides 10 Feature Access keys.

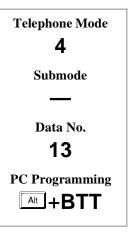
CO/PBX Busy Forward Station Assignment

General Description

Use this Memory Block to specify up to two telephones to ring when a CO/PBX call terminates at a busy station.

Display





Programming Procedures

1	Go off-line.		
2	Press LK4 + (1) (3) to access the Memory Block.		
3	Use dial pad to change data. Use the following:	Default Value	
	to move the cursor left	Not specified	
	@ ~ @ to enter numeric data or Tel Port No.		
	– OR –		
	Conf to go to next assigned Tel Port No.		
	Redial +1 to enter A for Port Numbers 100~109		
	Redial +2 to enter B for Port Numbers 110~119		
	Redial +3 to enter C for Port Number 120		
	Setting data: Port No. 01 ~ 96		
4	Press Transfer to write the data and display Forward No. 2.		
5	Enter second transfer Port No.		
6	Press Transfer to write the data and display the next Memory Block.		
7	Program the next Memory Block or press Speaker to go back on-line.		

Related Programming

No related programming is necessary for this Memory Block.

Ł

Notes

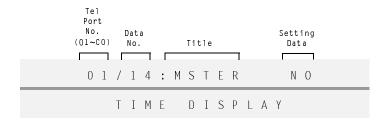
- 1. When the Multiline Terminal where the forward is initially set (Forward 1) is busy, the call is forwarded to a second specified station (Forward 2).
- 2. When all three stations are busy, the first station rings.
- 3. Telephone ports A0~C0 are ports 100~120.

Intercom Master Hunt Number Selection

General Description

Use this Memory Block to specify whether or not each telephone port number is designated as an intercom master hunt number.

Display



Telephone Mode 4 Submode — Data No. 14 PC Programming Alt +BTT

Settings

LK 1	LK 2	LK 3	LK 4
NO	YS		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.	
2	Press LK4 + ① ② to access the Memory Block.	
3	Press the corresponding CO/PBX line key to change data option. Use the following:	
	* to move the cursor left	
	# to move the cursor right	
	(Ps) ~ (Ps) to enter numeric data or Tel Port No.	
	– OR –	
	Conf to go to next assigned Tel Port No	
	Redial +1 to enter A for Port Numbers 100~109	
	Redial +2 to enter B for Port Numbers 110~119	
	Redial +3 to enter C for Port Number 120	
4	Press Transfer to write the data and display the next Memory Block.	
5	Program the next Memory Block or press Speaker to go back on-line.	

M.B. Number	Memory Block Name
4-15	Intercom Master Hunt Number Forward Assignment

№1 Notes

 When YS is assigned, an incoming internal call from another station, Automated Attendant transferred call, or DIT/ANA/DID/Tie line designated call is forwarded to a station specified in Memory Block 4-15 (Intercom Master Hunt Number Forward Assignment) when the line is busy.

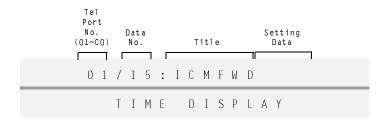
2. Telephone ports A0~C0 are ports 100~120.

Intercom Master Hunt Number Forward Assignment

General Description

Use this Memory Block to specify a telephone to ring for an incoming call when YS is specified in Memory Block 4-14 (Intercom Master Hunt Number Selection) and the Intercom Master Hunt Number line is busy.

Display



Telephone Mode

4
Submode
—
Data No.
15
PC Programming

Att +BTT

Programming Procedures

1	Go off-line.	
2	Press LK4 + (1) (2) to access the Memory Block.	
3	Use dial pad to enter station number. To set Tel. Port No. to forward station number 300, enter 300. Use the following:	Default Values All Telephones Not Specified
	* to move the cursor left	
	# to move the cursor right	
	② ~ ③ to enter numeric data or Tel Port No.	
	– OR –	
	Conf to go to next assigned Tel Port No.	
	Hold to Clear data when cursor is at setting data	
	Redial +1 to enter A for Port Numbers 100~109	
	Redial +2 to enter B for Port Numbers 110~119	
	Redial +3 to enter C for Port Number 120	
	Setting data Forward Station Number is one of the following:	
	• 2 digit (00 ~ 99)	
	• 3 digit (000 ~ 999)	
	• 4 digit (0000 ~ 9999).	
4	Press Transfer to write the data and display the next Memory Block.	
5	Program the next Memory Block or press Speaker to go back on-line.	

M.B. Number	Memory Block Name
4-14	Intercom Master Hunt Number Selection

№ Notes

- 1. Telephone ports A0~C0 are ports 100~120.
- 2. Example Assign the following Memory Blocks:
 - Memory Block 4-14 (Intercom Master Hunt Number Selection)

Telephone Port Number 01 ==> YES

All other Port Numbers ==> NO

 Memory Block 4-10 (Station Number Assignment Telephone Port Number and related Station Number

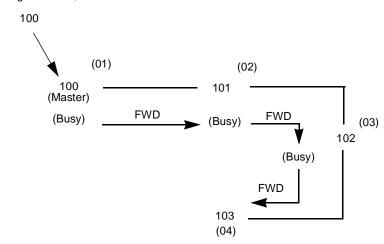
Port Station
No. No.
01 ==> 100
02 ==> 101
03 ==> 102
04 ==> 103

• Memory Block 4-15 (Intercom Master Hunt Number Forward Assignment)

Telephone Port Number (Port Number forwards to Station Number)

Port Station
No. No.
01 ==> 101
02 ==> 102
03 ==> 103

Incoming to Station,

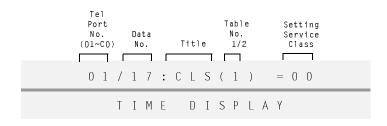


Station to Class of Service Feature Assignment

General Description

Use this Memory Block to specify a class for each Table (1 or 2) to enable/disable features per station.

Display



Telephone Mode
4
Submode
—
Data No.
17
PC Programming

Alt +BTT

Programming Procedures

1	Go off-line.				
2	Press LK4 + ① 💪 to access the Memory Block.				
3	Use the dial pad to enter Service Class (00 ~ 15) for Table 1/Table 2. Use the following: * to move the cursor left	Default Valu Telephone . Number.			
	# to move the cursor right	04	1 ATTN	00	
	🔑 ~ 🔐 o enter numeric data or Tel Port No.	01	2 STA	00	
	– OR –	02	1 ATTN	00	
	Conf to go to next assigned Tel Port No.	02	2 STA	00	
	Redial +1 to enter A for Port Numbers 100~109	03 ~ C0	1 ATTN	15	
	Redial +2 to enter B for Port Numbers 110~119	03 ~ 00	2 STA	00	
	Redial +3 to enter C for Port Number 120				
4	Press Transfer to write the data and displayTable 2 data.				
5	Enter Table 2 Service Class, and press Transfer to write data and display the next Memory Block.				
6	Program the next Memory Block or press Speaker to go back on-line.				

Related Programming

M.B. Number	Memory Block Name	
1-8-07	Class of Service (Attendant) Feature Selection 1	
1-8-08	Class of Service (Station) Feature Selection 2	

№1 Notes

- 1. Table 1 includes features that telephone ports 01 and 02 users are normally allowed to activate. Select any Class pattern specified in Memory Block 1-8-07 [Class of Service (Attendant) Feature Selection 1].
- 2. Table 2 includes features that all telephones users are normally allowed to activate. Select any Class pattern specified in Memory Block 1-8-08 [Class of Service (Station) Feature Selection 2].
- 3. Telephone ports A0~C0 are ports 100~120.

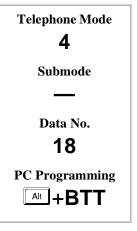
Station Name Assignment

General Description

Use this Memory Block to assign names for telephone stations.

Display





Programming Procedures

1	Go off-line.			
2	Press LK4 + (1) (3) to access the Memory Block.			
3	Use the dial pad to enter data. Default Value Not Specified			
	* to move the cursor left			
	# to move the cursor right			
	of the state of the sta			
	– OR –			
	Conf to go to next assigned Tel Port No.			
	Hold to clear data when cursor is at setting data			
	Redial +1 to enter A for Port Numbers 100~109			
	Redial +2 to enter B for Port Numbers 110~119			
	Redial +3 to enter C for Port Number 120			
4	Press Transfer to write the data and display the next Memory Block.			
5	Program the next Memory Block or press speaker to go back on-line.			

Related Programming

No related programming is necessary for this Memory Block.

∠□ Notes **∠**□

- 1. While an internal line is ringing or in use, the station number and name of the other party are displayed.
- 2. The name is not displayed when Tone Override, Automatic Callback, or Callback Request is displayed.
- 3. Only six digits/characters can be used for each name.
- 4. Telephone ports A0~C0 are ports 100~120.
- 5. System Software S4000 or higher allows the Station Name to be entered using the dial pad instead of the ASCII Character Code Tables. Follow the procedure in Section 9 Character Assignment on page 1-594.

Trunk Outgoing Restriction

General Description

Use this Memory Block to specify per CO/PBX line whether or not to restrict line seizure for an outgoing call.

Display



Submode — Data No. 19 PC Programming Alt +BTT

Telephone Mode

Settings

Page 1 - Ports 01~08

LK 1	LK 2	LK 3	LK 4
01	02	03	04
LK 5	LK 6	LK 7	LK 8
05	06	07	08

Page 2 - Ports 09~16

LK 1	LK 2	LK 3	LK 4
09	10	11	12
LK 5	LK 6	LK 7	LK 8
13	14	15	16

Page 3 - Ports 17~24

LK 1	LK 2	LK 3	LK 4
17	18	19	20
LK 5	LK 6	LK 7	LK 8
21	22	23	24

Page 4 - Ports 25~32

LK 1	LK 2	LK 3	LK 4
25	26	27	28
LK 5	LK 6	LK 7	LK 8
29	30	31	32

Page 5 - Ports 33~40

LK 1	LK 2	LK 3	LK 4
33	34	35	36
LK 5	LK 6	LK 7	LK 8
37	38	39	40

Page 6 - Ports41~48

LK 1	LK 2	LK 3	LK 4
41	42	43	44
LK 5	LK 6	LK 7	LK 8
45	46	47	48

Page 7 - Ports 49~56

LK 1	LK 2	LK 3	LK 4
49	50	51	52
LK 5	LK 6	LK 7	LK 8
53	54	55	56

Page 8 - Ports 57~64

LK 1	LK 2	LK 3	LK 4
57	58	59	60
LK 5	LK 6	LK 7	LK 8
61	62	63	64

Programming Procedures

1	Go off-line.
2	Press I K4 + 1 @ to access the Memory Block

Press the CO/PBX line key corresponding to each CO/PBX line. The LED indication changes to indicate data each time a CO/PBX line key is pressed.

Default	values
Not Re	estricted.

CO/PBX Line Key LED	Off	On
Data	Not Restricted	Restricted

The shaded selection is the default.

B Use the following:

1 - 438

- * to move the cursor left
- # to move the cursor right
- (P) ~ (P) to enter numeric data or Tel Port No.

- OR -

Conf to go to next assigned Tel Port No.

Recall to go to the next page

Feature to go to the previous page

(Hold) to clear data when cursor is at setting data position

Redial +1 to enter A for Port Numbers 100~109

Redial +2 to enter B for Port Numbers 110~119

Redial +3 to enter C for Port Number 120

Programming Procedures (Continued)

4	Press Transfer To write the data and display the next Memory Block.
5	Program the next Memory Block or press (Speaker) to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.



- 1. A restricted CO/PBX line allows the station user to answer an incoming call or access a held call, but does not allow a user to originate a CO/PBX call.
- 2. When restricted is specified in this section, the data in Memory Blocks 4-07 [Code Restriction Class Assignment (Day Mode)] and Memory Block 4-08 [Code Restriction Class Assignment (Night Mode)] is treated as invalid even if specified.
- 3. Telephone ports A0~C0 are ports 100~120.

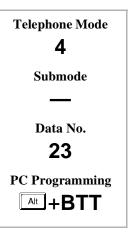
Prime Line/Hot Line Assignment

General Description

Use this Memory Block to enable user to access various features when going off-hook.

Display





Programming Procedures

1	Go off-line.		
2	Press LK4 + (2) (3) to access the Memory Block.		
3	Use dial pad to enter telephone number (10 Digits max.) for Tel Port No. Default Value		
	Use the following:		
	* to move the cursor left		
	# to move the cursor right		
	🌓 ~ 🖭 to enter numeric data or Tel Port No.		
	– OR –		
	Conf to go to next assigned Tel Port No.		
	Redial +1 to enter A for Port Numbers 100~109		
	Redial +2 to enter B for Port Numbers 110~119		
	Redial +3 to enter C for Port Number 120		
	Redial and * to input *		
	Redial and # to input #		
	Press Transfer to write the data and display the next Memory Block.		
4	Program the next Memory Block or press Speaker to go back on-line.		

Related Programming

No related programming is necessary for this Memory Block.

№ Notes

1. Prime Line function enables a user to seize a specified trunk when the Multiline Terminal goes off-hook. Refer to function codes 063 and 064 for Memory Blocks 1-1-46 [Access Code (1-Digit) assignment] and 1-1-47 [Access Code (2-Digit) assignment].

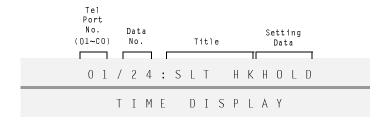
- 2. To call the specified station number or CO line on Hot Line, go off-hook.
- 3. When using Prime Line an access code (Feature and Speaker) or ICM key can be used to seize the intercom (ICM) Dialtone for internal call processing.
- 4. To use Hot Line Assignment, one of the following must be entered:
 - Station Number
 - Access Code and Dial Number
 - Speed Dial Access Code and Speed Dial Buffer Number
- 5. Only 10 digits can be assigned.
- 6. Telephone ports A0~C0 are ports 100~120.

SLT Hookflash Assignment

General Description

Use this Memory Block to either Hold or disconnect the trunk for the Single Line Telephone (SLT) hooking operation.

Display



Telephone Mode 4 Submode — Data No. 24 PC Programming Alt +BTI

Settings

LK 1	LK 2	LK 3	LK 4
HOLD	DISC		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.	
2	Press LK4 + ② ④ to access the Memory Block.	
3	Press the corresponding CO/PBX line key to change data option. Use the following:	
	* to move the cursor left	
	# to move the cursor right	
	(P) ~ (P) to enter numeric data or Tel Port No.	
	– OR –	
	Conf to go to next assigned Tel Port No	
	Redial +1 to enter A for Port Numbers 100~109	
	Redial +2 to enter B for Port Numbers 110~119	
	Redial +3 to enter C for Port Number 120	
4	Press Transfer to write the data and display the next Memory Block.	
5	Program the next Memory Block or press Speaker to go back on-line.	

Related Programming

M.B. Number	Memory Block Name	
1-3-02	SLT Hookflash Signal Selection	
4-23	Prime Line/Hot Line Assignment	

№ Notes

1. This Memory Block affects only Single Line Telephone stations assigned Prime Line in Memory Block 4-23 (Prime Line/Hot Line Assignment).

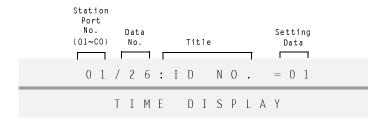
- 2. When Prime Line is assigned to an Single Line Telephone, hookflash drops the CO and issues intercom (ICM) dial tone when this Memory Block is set to disconnect.
- 3. After an SLT begins to dial out 9 +, hookflash follows Memory Block 1-3-02 (SLT Hookflash Signal Selection) selection.
- 4. Telephone ports A0~C0 are ports 100~120.

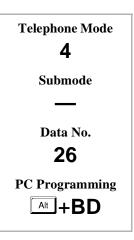
DISA ID Number Station Assignment

General Description

Use this Memory Block to assign the Direct Inward System Access (DISA) ID Buffer Number corresponding to the station port number. The Station Message Detail Recording (SMDR) printout of the station number identifies the calling party that dialed the DISA ID number.

Display





Programming Procedures

1 Go off-line.			
2 Press LK4 + ② ⑤ to access the Memory Block.	Press LK4 + ② ⑤ to access the Memory Block.		
3 Use the dial pad to assign DISA ID Buffer Number 01 to Station Port No.	Default Values		
Use the following:	Station Port	DISA ID Buffer	
* to move the cursor left	Number	Number	
# to move the cursor right	01	01	
(g) ~ (g) to enter numeric data or Tel Port No.	02 ~ C0	02 ~ C0	
– OR –			
Conf to go to next assigned Tel Port No.			
Redial +1 to enter A for Port Numbers 100~109			
Redial +2 to enter B for Port Numbers 110~119			
Redial +3 to enter C for Port Number 120			
4 Press Transfer to write the data and display the next Memory Block.			
5 Program the next Memory Block or press (Speaker) to go back on-line.			

Related Programming

Refer to Chapter 2 Guide to Feature Programming.

L D	Notes	L
Telephone ports A0~C0 are ports 100~120.		

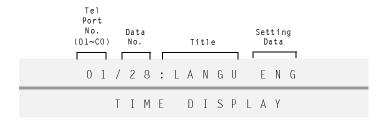
Multilingual LCD Indication Selection

General Description

Use this Memory Block to specify the language displayed on the Multiline Terminal LCD.

System Software S3000 or higher is required to display Japanese or Spanish.

Display



Settings S2000 or lower

LK 1	LK 2	LK 3	LK 4
FREN	ENG		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Settings S3000 or higher

LK 1	LK 2	LK 3	LK 4
JAPA	FREN	ENG	SPAN
LK 5	LK 6	LK 7	LK 8

Program the next Memory Block or press Speaker to go back on-line.

The shaded selection is the default.

Programming Procedures

1 Go off-line.

2 Press LK4 + ② ③ to access the Memory Block.

3 Press the corresponding CO/PBX line key to change language option for Tel Port No.

□③ Use the following:

③ to move the cursor left

④ to move the cursor right

② - ② to enter numeric data or Tel Port No.

- OR
□ Conf to go to next assigned Tel Port No.

Redial +1 to enter A for Port Numbers 100~109

Redial +2 to enter B for Port Numbers 110~119

Redial +3 to enter C for Port Number 120

4 Press □ Transfer to write the data and display the next Memory Block.

Telephone Mode

4

Submode

Data No.

28

PC Programming

Att +BTM

Related Programming

No related programming is necessary for this Memory Block.

№1 Notes

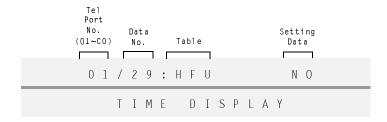
Telephone ports A0~C0 are ports 100~120.

HFU Selection

General Description

Use this Memory Block to enable/disable per station the built-in Handsfree HFU-U(BK)/(WH) Unit.

Display



Telephone Mode 4 Submode — Data No. 29 PC Programming Alt +BTM

Settings

	LK 1	LK 2	LK 3	LK 4
	NO	YS		
ı	LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.		
2	Press LK4 + ② ② to access the Memory Block.		
3	Press LK2 if you want to enable the HFU-U Unit for Tel Port No. Use the following:		
	* to move the cursor left		
	# to move the cursor right		
	(f) ~ (g) to enter numeric data or Tel Port No.		
	– OR –		
	Conf to go to next assigned Tel Port No.		
	Redial +1 to enter A for Port Numbers 100~109		
	Redial +2 to enter B for Port Numbers 110~119		
	Redial +3 to enter C for Port Number 120		
4	Press Transfer to write the data and display the next Memory Block.		
5	Program the next Memory Block or press Speaker to go back on-line.		

Related Programming

No related programming is necessary for this Memory Block.

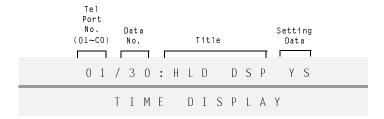
Notes Notes
Telephone ports A0~C0 are ports 100~120.

Hold/Transfer Recall Display Selection

General Description

Use this Memory Block to enable/disable the Hold Recall indication on the LCD.

Display





Settings

	LK 1	LK 2	LK 3	LK 4
	YS	NO		
	LK 5	LK 6	LK 7	LK 8
Ī				

The shaded selection is the default.

Programming Procedures

1	Go off-line.		
2	Press LK4 + ③ ② to access the Memory Block.		
3	Press LK2 to disable Hold Recall LCD Indication for Tel Port No. Use the following:		
	* to move the cursor left		
	(Ps) ~ (Ps) to enter numeric data or Tel Port No.		
	– OR –		
	Conf to go to next assigned Tel Port No.		
	Redial +1 to enter A for Port Numbers 100~109		
	Redial +2 to enter B for Port Numbers 110~119		
	Redial +3 to enter C for Port Number 120		
4	Press Transfer to write the data and display the next Memory Block.		
5	Program the next Memory Block or press Speaker to go back on-line.		

Related Programming

No related programming is necessary for this Memory Block.

№ Notes

1. When this Memory Block is assigned YS, HOLD RECALL replaces the Time Display.

LCD indication of the CO line number is displayed on the upper line of the display when a recall occurs, regardless of the assignment for this Memory Block.

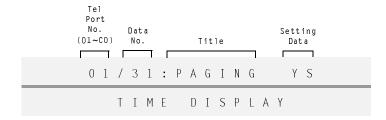
3. Telephone ports A0~C0 are ports 100~120.

Receiving Internal/All Call Page Selection

General Description

Use this Memory Block to specify per station whether or not an Internal Zone or Internal All Zone Page is received.

Display



Telephone Mode 4 Submode Data No. 31 PC Programming Alt +BTT

Settings

LK 1	LK 2	LK 3	LK 4
YS	NO		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.		
2	Press LK4 + ③ ① to access the Memory Block.		
3	Press LK2 to disable Internal Zone or Internal All Zone page for Tel Port No. Use the following:		
	* to move the cursor left		
	(g) ~ (g) to enter numeric data or Tel Port No.		
	– OR –		
	Conf to go to next assigned Tel Port No.		
	Redial +1 to enter A for Port Numbers 100~109		
	Redial +2 to enter B for Port Numbers 110~119		
	Redial +3 to enter C for Port Number 120		
4	Press Transfer to write the data and display the next Memory Block.		
5	Program the next Memory Block or press Speaker to go back on-line.		

- Notes &
- Internal Emergency All Call Page and Internal Paging by Tenant group override this Memory Block. Refer to Memory Block 1-1-46 [Access Code (1-digit) Assignment].
- 2. Telephone ports A0~C0 are ports 100~120.

Trunk Digit Restriction

General Description

Use this Memory Block to specify per port the maximum number of digits that can be dialed on any outside line.

Display



Telephone Mode
4
Submode
—
Data No.
32
PC Programming
Alt +BTT

Programming Procedures

1	Go off-line.		
2	Press LK4 + 🐧 💰 to access the Memory Block.		
3	Use the dial pad to change Setting Data for CO/PBX No.	Default Values	
	Use the following:	00 (No Limit)	
	* to move the cursor left		
	# to move the cursor right		
	(P) ~ (P) to enter numeric data or Tel Port No.		
	– OR –		
	Conf to go to next assigned Tel Port No.		
	Redial +1 to enter A for Port Numbers 100~109		
	Redial +2 to enter B for Port Numbers 110~119		
	Redial +3 to enter C for Port Number 120		
4	Press Transfer to write the data and display the next Memory Block.		
5	Program the next Memory Block or press Speaker to go back on-line.		

Related Programming.

Refer to Section 6 Code Restriction in this chapter.



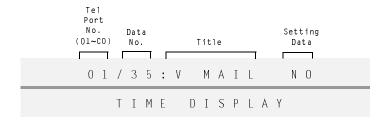
- 1. Code Restriction must be assigned before this feature is used.
- 2. Trunk Digit Restriction applies to all CO/PBX lines.
- 3. Tie Line Code Restriction must be assigned before this feature works on Tie lines.
- 4. Telephone ports A0~C0 are ports 100~120.

Voice Mail/SLT Selection

General Description

Use this Memory Block to specify whether or not a Voice Mail system is interfaced with the system for Single Line Telephone ports.

Display



Telephone Mode 4 Submode — Data No. 35 PC Programming Alt +BTI

Settings

LK 1	LK 2	LK 3	LK 4
NO	YS		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.			
2	Press LK4 + ③ ⑤ to access the Memory Block.			
3	Press LK2 to interface Voice Mail with single line telephones for Tel Port No. Use the following:			
	* to move the cursor left			
	# to move the cursor right			
	(g) ~ (g) to enter numeric data or Tel Port No.			
	– OR –			
	Conf to go to next assigned Tel Port No			
	Redial +1 to enter A for Port Numbers 100~109			
	Redial +2 to enter B for Port Numbers 110~119			
	Redial +3 to enter C for Port Number 120			
4	Press Transfer to write the data and display the next Memory Block.			
5	Program the next Memory Block or press Speaker to go back on-line.			

Related Programming

M.B. Number	Memory Block Name
7-2	Telephone Type Assignment (used for digital voice mail ports)

Notes L

1. The SLT(1)-U10 ADP Adapter and the ADA(2)-W(BK)/(SW) Unit do not support Voice Mail.

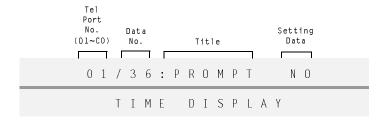
- 2. Only 16 Voice Mail ports are supported by this system.
- 3. Telephone ports A0~C0 are ports 100~120.

Voice Prompt Selection

General Description

Use this Memory Block to specify per port whether or not to allow Voice Prompt.

Display



Telephone Mode 4 Submode — Data No. 36 PC Programming Alt +BTT

Settings

LK 1	LK 2	LK 3	LK 4
NO	YS		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.			
2	Press LK4 + ③ 6 to access the Memory Block.			
3	Press LK2 to allow voice prompt for Tel Port No. Use the following:			
	* to move the cursor left			
	🎱 ~ 💯 to enter numeric data or Tel Port No.			
	– OR –			
	Conf to go to next assigned Tel Port No.			
	Redial +1 to enter A for Port Numbers 100~109			
	Redial +2 to enter B for Port Numbers 110~119			
	Redial +3 to enter C for Port Number 120			
4	Press Transfer to write the data and display the next Memory Block.			
5	Program the next Memory Block or press Speaker to go back on-line.			

Related Programming

Refer to Chapter 2 Guide to Feature Programming.

Notes Notes
Telephone ports A0~C0 are ports 100~120.

Extension Line Key Ring Assignment (Day Mode)

General Description

Use this Memory Block to specify the day ringing assignment on incoming calls to a Secondary Incoming Extension (SIE) or a Call Arrival key.

Display



Telephone Mode 4 Submode — Data No. 37 PC Programming Alt +BTM

Settings

Page 1 - Line Keys 01~08

LK 1	LK 2	LK 3	LK 4
1	2	3	4
LK 5	LK 6	LK 7	LK 8
5	6	7	8

Page 2 - Line Keys 09~16

LK 1	LK 2	LK 3	LK 4
9	10	11	12
LK 5	LK 6	LK 7	LK 8
13	14	15	16

Page 3- Line Keys 17~24

LK 1	LK 2	LK 3	LK 4
17	18	19	20
LK 5	LK 6	LK 7	LK 8
21	22	23	24

Programming Procedures

1	Go off-line.					
2	Press LK4 + (3) (7) to access the Memory Block.					
3	Press the Line Key corresponding to ringing required for Tel Port No.				Default Values	
	The LED indication changes to indicate data each time a CO/PBX Line Key is pressed.				PBX Line	All Telephones: No Ring
	CO/PBX Line Key LEI	Off	Green	Red	The shaded selection is the	
	Data	No ring	Immediate Ring	Delayed Ring	default.	
	□ Use the following:					
	* to mov	e the cursor le	ft			
	# to mov	e the cursor ri	ght			
	② ~ ② to enter numeric data or Tel Port No.					
		- OI	R –			
	Conf to	go to next ass	igned Tel Port N	No.		
	Recall to	go to the next p	oage			
	Feature to	go to the previo	ous page			
	Redial +1	to enter A for F	ort Numbers 10	00~109		
	Redial +2	to enter B for F	ort Numbers 1	10~119		
	Redial +3	to enter C for F	ort Number 12	0		
4	Press Transfer to w	rite the data an	d display the n	ext Memory B	llock.	

Related Programming

M.B. Number	Memory Block Name	
1-2-26	Delayed Ringing Time Assignment (ICM)	

L□ Notes **L**□

1. When Immediate Ring is set, the LED is green.

Program the next Memory Block or press Speaker to go back on-line.

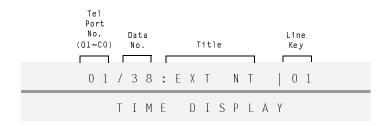
- 2. This Memory Block applies only when an SIE or Call Arrival key is programmed for line key appearance.
- 3. Telephone ports A0~C0 are ports 100~120.

Extension Line Key Ring Assignment (Night Mode)

General Description

Use this Memory Block to specify the night ringing assignment on incoming calls to a Secondary Incoming Extension (SIE) or a Call Arrival Key.

Display



Submode — Data No. 38 PC Programming Alt +BTM

Telephone Mode

Settings

Page 1 - Line Keys 01~08

LK 1	LK 2	LK 3	LK 4
1	2	3	4
LK 5	LK 6	LK 7	LK 8
5	6	7	8

Page 2 - Line Keys 09~16

-	•		
LK 1	LK 2	LK 3	LK 4
9	10	11	12
LK 5	LK 6	LK 7	LK 8
13	14	15	16

Page 3 – Line Keys 17~24

LK 1	LK 2	LK 3	LK 4
17	18	19	20
LK 5	LK 6	LK 7	LK 8
21	22	23	24

Programming Procedures

1	G	o off-line.						
2	Р	Press LK4 + 3 to access the Memory Block.						
3	Press the Line Key corresponding to ringing required for Tel Port No. Default Values						Default Values	
	The LED indication changes to indicate data each time a CO/PBX Line Key is All Telephones: No Ring							
	pr	ressed.						
		CO/PBX		_]		
		Line Key LED	Off	Green	Red	The shaded selection is the default.		
				Immediate	Delayed			
	Data No ring Immediate Delayed Ring							
	13	Use the follow	vina:			1		
	13		Ü					
		0	he cursor lef					
		# to move t	he cursor rig	ht				
	(Ps) ~ (Ps) to enter numeric data or Tel Port No.							
	– OR –							
	Conf to go to next assigned Tel Port No.							
		Recall to go	to the next p	age				
		Feature to go to the previous page						

. Related Programming

M.B. Number	Memory Block Name	
1-2-26	Delayed Ringing Time Assignment (ICM)	

∠
 Notes
 Notes

1. When Immediate Ring is set, the LED is green.

Redial +1 to enter A for Port Numbers 100~109

Redial +2 to enter B for Port Numbers 110~119

Redial +3 to enter C for Port Number 120

Press Transfer to write the data and display the next Memory Block.

Program the next Memory Block or press Speaker to go back on-line.

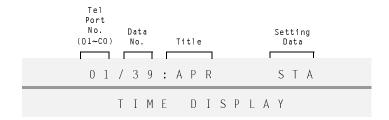
- 2. This Memory Block applies only when an SIE or Call Arrival key is programmed for line key appearance.
- 3. Telephone ports A0~C0 are ports 100~120.

APR Ring Mode Assignment

General Description

Use this Memory Block to specify the ringing mode for a Single Line Telephone connected to an APR-U Unit.

Display



Telephone Mode 4 Submode — Data No. 39 PC Programming Alt +BTM

Settings

LK 1	LK 2	LK 3	LK 4
NON (No Ring)	STA (Station Number)	ALL	
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1 Go off-line.

2 Press LK4 + ② ② to access the Memory Block.

3 Press line key to specify ringing Mode for a single line telephone connected to an APR-U Unit forTel Port No.

Use the following:

* to move the cursor left

* to move the cursor right

② ~ ② to enter numeric data or Tel Port No.

- OR
Cont to go to next assigned Tel Port No.

Redial +1 to enter A for Port Numbers 100~109

Redial +2 to enter B for Port Numbers 110~119

Redial +3 to enter C for Port Number 120

4 Press transfer to write the data and display the next Memory Block.

5 Program the next Memory Block or press Seeder to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

№ Notes

- 1. No Ring means that no calls ring at the Single Line Device connected to an APR-U Unit.
- 2. Station Number ring means that only calls directed to the Multiline Terminal Station Number, ring at the Single Line Device connected to an APR-U Unit.
- 3. ALL ring means that all calls that ring at the Multiline Terminal also ring at the Single Line Device connected to an APR-U Unit.
- 4. Telephone ports A0~C0 are ports 100~120.

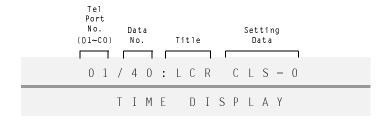
LCR Class Selection

General Description

Use this Memory Block to specify per station the Least Cost Routing (LCR) Class. The Electra Elite 48/192 system has four Area Code Tables. Each LCR Class can have different Trunk group access to allow priority levels for the station user.

System Software S4000 or higher allows using this Memory Block to specify either the LCR Class or the Automatic Route Selection (ARS) Class (Tables 1~4) depending on the system configuration.

Display



Settings

LK 1	LK 2	LK 3	LK 4
0	1	2	3
LK 5	LK 6	LK 7	LK 8
4			

The shaded selection is the default. Numbers are LCR Classes.

Programming Procedures

1	Go off-line.		
2	Press LK4 + ② ② to access the Memory Block.		
3	Press line key to specify LCR Class for Tel Port No. Use the following:		
	* to move the cursor left		
	# to move the cursor right		
	2 ~ 2 to enter numeric data or Tel Port No.		
	- OR -		
	Cont to go to next assigned Tel Port No		
	Redial +1 to enter A for Port Numbers 100~109		
	Redial +2 to enter B for Port Numbers 110~119		
	Redial +3 to enter C for Port Number 120		
4	Press Transfer to write the data and display the next Memory Block.		
5	Program the next Memory Block or press Speaker to go back on-line.		

Telephone Mode

4

Submode

Data No.

40

PC Programming

Alt +BTT

Related Programming

No related programming is necessary for this Memory Block.

№ Notes

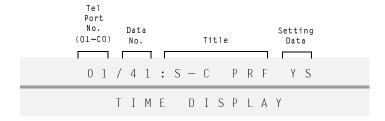
- 1. LCR Class Selection corresponds to Area Code Tables as follows:
 - Class 0 No LCR
 - Class 1 Use Area Code Table 1
 - Class 2 Use Area Code Table 2
 - Class 3 Use Area Code Table 3
 - Class 4 Use Area Code Table 4
- 2. Stations cannot be assigned to multiple LCR Classes.
- 3. The KMM(1.0)U must be installed on the MIFM-U10 ETU to support this feature.
- 4. Telephone ports A0~C0 are ports 100~120.

SIE/CAR Ringing Line Preference Selection

General Description

Use this Memory Block to specify whether or not to allow Ringing Line Preference (go off-hook or press Speaker key) on all telephones that are assigned Secondary Incoming Extension (SIE) and/or Call Arrival keys.

Display



Telephone Mode 4 Submode — Data No. 41 PC Programming At +BTM

Settings

LK 1	LK 2	LK 3	LK 4
NO	YS		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1 Go off-line.

2 Press LK4 + ② 1 to access the Memory Block.

3 Press LK1 to disable Ringing Line Preference for SIE or CAR for Tel Port No.

13 Use the following:

** to move the cursor left

to move the cursor right

- OR
Conf to go to next assigned Tel Port No.

Redial +1 to enter A for Port Numbers 100~109

Redial +2 to enter B for Port Numbers 110~119

Redial +3 to enter C for Port Number 120

4 Press Transer to write the data and display the next Memory Block.

5 Program the next Memory Block or press Speaker to go back on-line.

Related Programming

M.B. Number Memory Block Name 4-37 Extension Line Key Ring Assignment (Day Mode) 4-38 Extension Line Key Ring Assignment (Night Mode)	
---	--

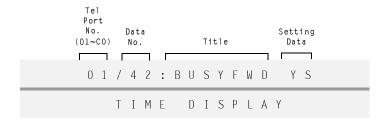
E D	Notes	L
Telephone ports A0~C0 are ports 100~120.		

Call Forward-Busy Immediately/Delay Selection

General Description

Use this Memory Block to specify immediate forward (NO) or delay forward (YS) for an Incoming CO/PBX call if the station is set for Call Forward–Busy.

Display



Telephone Mode 4 Submode — Data No. 42 PC Programming Alt +BTT

Settings

LK 1	LK 2	LK 3	LK 4
NO	YS		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1 Go off-line.

2 Press LK4 + ② ② to access the Memory Block.

3 Press LK1for immediate forward to a station set to Call Forward - Busy for Tel Port No.

Use the following:

② to move the cursor left
② to move the cursor right
② - ② to enter numeric data or Tel Port No.

- OR
○ OFF

○ OFF

○ To go to next assigned Tel Port No.

Redal +1 to enter A for Port Numbers 100~109
Redal +2 to enter B for Port Numbers 110~119
Redal +3 to enter C for Port Number 120

4 Press Transfer to write the data and display the next Memory Block.

5 Program the next Memory Block or press Property to go back on-line.

Related Programming

M.B. Number	Memory Block Name	
1-2-22	Call Forward No Answer Time Selection	

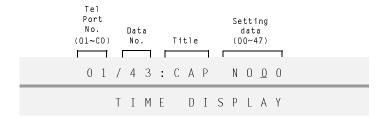
Notes Notes
Telephone ports A0~C0 are ports 100~120.

Station to Call Appearance Block Assignment

General Description

Use this Memory Block to assign a Multiline Terminal to a Call Appearance Block.

Display



Telephone Mode

4
Submode

Data No.

43
PC Programming

Att +BTT

Programming Procedures

1	Go off-line.			
2	Press LK4 + (3) to access the Memory Block.			
3	Use the dial pad to enter Call Appearance Block assignment for Tel Port No. Use the following: ** to move the cursor left ** to move the cursor right ** to move the cursor right	Default Values All stations are assigned to Call Appearance Block 00.		
	② ~ ③ to enter numeric data or Tel Port No. - OR -			
	conf to go to next assigned Tel Port No.			
	Redial +1 to enter A for Port Numbers 100~109			
	Redial +2 to enter B for Port Numbers 110~119			
	Redial +3 to enter C for Port Number 120			
4	Press Transfer to write the data and display the next Memory Block.			
5	Program the next Memory Block or press Speaker to go back on-line.			

Related Programming

Refer to Chapter 2 Guide to Feature Programming.

Lo	Notes	Æ □D
Telephone ports A0~C0 are ports 100~120.		

Caller ID Preset Dial Outgoing CO Selection

General Description

Use this Memory Block to assign the Trunk group, Route Advanced group, or Closed Numbering group that is seized for ANI/Caller ID Outgoing Calls. Use the ANI/Caller ID Scroll key to access the ANI/Caller ID to be called.

Display



Telephone Mode
4
Submode
—
Data No.
44
PC Programming

Alt + Al

Programming Procedures

4	I Constitute		
1	Go off-line.		
2	Press LK4 + 4 to access the Memory Block.		
3	Use the dial pad to enter Trunk Group, Route Advance group, or Closed Default Value		
	Numbering group to seize for ANI/Caller ID outgoing calls for Tel Port No. Not specified Use the following:		
	* to move the cursor left		
	# to move the cursor right		
	♠ ~ ♠ to enter numeric data or Tel Port No.		
	– OR –		
	Conf to go to next assigned Tel Port No		
	Redial +1 to enter A for Port Numbers 100~109		
	Redial +2 to enter B for Port Numbers 110~119		
	Redial +3 to enter C for Port Number 120		
4	Press Transfer to write the data and display the next Memory Block.		
5	Program the next Memory Block or press Speaker to go back on-line.		

Related Programming

No related programming is necessary for this Memory Block.



- Setting Data is Access Code Assignment in Memory Blocks 1-1-46, 47, 48 [Access Code (1-Digit, 2-Digit, or 3-Digit) Assignment]. For example: Dial 9 (101) → Trunk Group 1.
- 2. Assign the ANI/Caller ID Scroll key using Memory Blocks 2-06 (Line Key Selection for Tenant Mode) or 4-12 (Line Key Selection for Telephone Mode).
- 3. Telephone ports A0~C0 are ports 100~120. Use redial +1 for A, redial +2 for B, and redial +3 for C.

Live Record Auto Delete Selection

General Description

Use this Memory Block to specify whether or not live record sessions that are not addressed by the station user are deleted.

Display



Telephone Mode 4 Submode Data No. 46 PC Programming Alt +AV

Settings

LK 1	LK 2	LK 3	LK 4
YS	NO		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.			
2	Press LK4 + 🐔 💪 to access the Memory Block.			
3	Press LK2 to delete live record sessions not addressed by the user for Tel Port No. Default Value NO			
	* to move the cursor left			
	– OR –			
	Conf to go to next assigned Tel Port No.			
	Redial +1 to enter A for Port Numbers 100~109			
	Redial +2 to enter B for Port Numbers 110~119			
	Redial +3 to enter C for Port Number 120			
4	Press Transfer to write the data and display the next Memory Block.			
5	Program the next Memory Block or press Speaker to go back on-line.			

Related Programming

No related programming is necessary for this Memory Block.

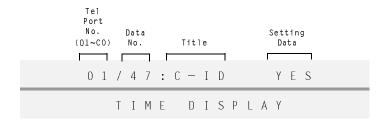
ISDN Directory Number Selection

General Description

Use this Memory Block to specify whether or not the directory Number is presented to the Network when a call is placed from the programmed station.

System Software S4000 or higher is required.

Display



Telephone Mode 4 Submode — Data No. 47 PC Programming Alt +AN

Settings

	LK 1	LK 2	LK 3	LK 4
	YES	NO		
ı	=			
	LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.
2	Press LK4 + 4 7 to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the Setting Data option
4	Press Transfer to write the data and display the next Memory Block.
5	Program the next Memory Block or press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name	
3-52	ISDN Trunk Directory Number Assignment	
3-91	Trunk Type Assignment	
4-62	ISDN-PRI Directory Number Assignment	

∠ Notes

BRI:

1. When this Memory Block is set to No, the station placing an outgoing call does not present the programmed number in Memory Block 3-52 assigned for the BRI Trunks. The Network presents Restricted for the Caller ID information.

2. When this Memory Block is set to YES, the station placing an outgoing call presents the programmed number in Memory Block 3-52 assigned for the BRI Trunks. The Network presents the programmed number as Caller ID.

PRI:

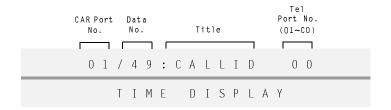
- 1. When this Memory Block is set to No, and ISDN-PRI is used in CO Mode in Memory Block 3-91, the programmed number in Memory Block 3-52 is not presented as Caller ID. The Network presents Restricted for the Caller ID information.
- 2. When this Memory Block is set to YES, and ISDN-PRI is used in CO Mode in Memory Block 3-91, the programmed number in Memory Block 3-52 is presented as Caller ID. The Network presents the programmed number as Caller ID.
- 3. When this Memory Block is set to No, and ISDN-PRI is used in DID Mode in Memory Block 3-91, the programmed number in Memory Block 3-52 is not presented as Caller ID. **System Software S6000 or higher is required**.
- 4. When this Memory Block is set to YES, and ISDN-PRI is used in DID Mode in Memory Block 3-91, the programmed number in Memory Block 4-62 is presented as Caller ID. The Network presents the programmed number as Caller ID. **System Software S6000 or higher is required**.

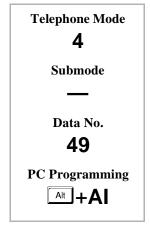
Caller ID Display for CAR Key Assignment

General Description

Use this Memory Block to assign one Multiline Terminal per CAR to display ANI/Caller ID Indication on incoming CAR calls.

Display





Programming Procedures

1	Go off-line.			
2	2 Press LK4 + ② ② to access the Memory Block.	Press LK4 + ② ② to access the Memory Block.		
3	I los the fallouises	efault Value Not Specified		
	* to move the cursor left			
	# to move the cursor right			
	~ 9 to enter numeric data or Tel Port No.			
	- OR -			
	to go to next assigned Tel Port No			
	Redial +1 to enter A for Port Numbers 100~109			
	Redial +2 to enter B for Port Numbers 110~119			
	Redial +3 to enter C for Port Number 120			
4	4 Press Transfer to write the data and display the next Memory Block.			
5	5 Program the next Memory Block or press Speaker to go back on-line.			

Related Programming

No related programming is necessary for this Memory Block.



To display ANI/Caller ID Indication for normal incoming CO calls and CAR incoming calls, both ANI/Caller ID Indication and Ring assignment must be assigned for the terminal in System Programming. A maximum of 15 Multiline Terminals can be assigned system-wide to display caller identification for normal incoming CO calls and CAR incoming calls using Memory Block 1-1-78 (Caller ID Display Assignment for System Mode). A sixteenth Multiline Terminal can be assigned to display ANI/Caller ID Indication for CAR incoming calls per CAR using this Memory Block.

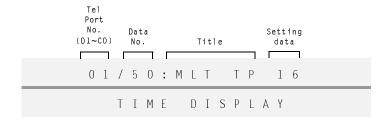
Programming Manual 1 - 471

Multiline Terminal Type Selection

General Description

Use this Memory Block to assign a DTP/DTU-32-1(BK)/(WH) TEL, DTP-32D-1(BK)/(WH) TEL, or DTU-32D-2(BK)/(WH) TEL with 16 Line Keys or 24 Line Keys.

Display



Telephone Mode 4 Submode — Data No. 50 PC Programming Alt +BTM

Settings

LK 1	LK 2	LK 3	LK 4
16	24		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.	
2	Press LK4 + ③ ② to access the Memory Block.	
3	Press LK2 if you want 24 line keys for Tel Port No. Use the following: * to move the cursor left # to move the cursor right	Default Values All stations have 16 line keys.
	② conter numeric data or Tel Port No. OR – Cont to go to next assigned Tel Port No.	
	Redial +1 to enter A for Port Numbers 100~109 Redial +2 to enter B for Port Numbers 110~119	
	Redial +3 to enter C for Port Number 120	
4	Press Transfer to write the data and display the next Memory Block.	
5	Program the next Memory Block or press Speaker to go back on-line.	

Related Programming

No related programming is necessary for this Memory Block.

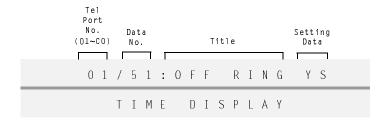
Ø. Notes Telephone ports A0~C0 are ports 100~120. Line Key Orientation 16 Line Key Type 24 Line Key Type LK1 LK4 LK2 LK3 DSS 1 DSS 9 LK1 LK2 LK3 LK4 LK17 LK21 LK5 LK6 LK7 LK8 DSS 2 DSS 10 LK5 LK6 LK7 LK8 LK18 LK22 LK10 LK12 LK10 LK9 LK11 DSS 3 DSS 11 _K9 LK11 LK12 LK19 LK23 LK13 LK14 LK16 LK13 LK15 DSS 4 LK14 LK15 LK16 LK20 LK24 **DSS 12** DSS 5 DSS 5 DSS 13 DSS 1 DSS 6 DSS 14 DSS 2 DSS 6 DSS 7 DSS 3 DSS 15 DSS 7 DSS 8 DSS 16 DSS 4 DSS 8

Off-Hook Ringing Selection

General Description

Use this Memory Block to assign per station Off-Hook Ringing to the Multiline Terminal.

Display



Telephone Mode
4
Submode
—
Data No.
51
PC Programming
Alt +BTM

Settings

LK 1	LK 2	LK 3	LK 4
YS	NO		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.			
2	Press LK4 + ② ① to access the Memory Block.			
3	Press LK2 to disable Off-Hook Ringing for Tel Port No.	Default Values		
	Use the following:	All Terminals = YS		
	* to move the cursor left			
	(a) ~ (b) to enter numeric data or Tel Port No.			
	– OR –			
	Conf to go to next assigned Tel Port No.			
	Redial +1 to enter A for Port Numbers 100~109			
	Redial +2 to enter B for Port Numbers 110~119			
	Redial +3 to enter C for Port Number 120			
4	Press Transfer to write the data and display the next Memory Block.			
5	Program the next Memory Block or press Speaker to go back on-line.			

Related Programming

No related programming is necessary for this Memory Block.

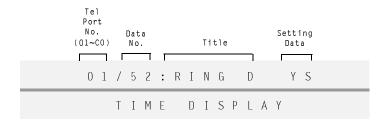
Notes Notes
Telephone ports A0~C0 are ports 100~120.

CO/PBX Answer Key Operation Without Ringing Assignment (Day Mode)

General Description

Use this Memory Block to specify whether or not day assignment Answer key operation uses ringing. When NO is selected, press the Answer key while an incoming CO line key is flashing to answer the line key call. When YS is selected, the telephone must be ringing for the Answer key to answer an incoming CO/PBX call.

Display



Telephone Mode 4 Submode Data No. 52 PC Programming Alt +BTT

Settings

LK 1	LK 2	LK 3	LK 4
NO	YS		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1 Go off-line.

2 Press LK4 + ② ② to access the Memory Block.

3 Press LK1 to disable ringing for answer key operation for Tel Port No.

Use the following:

② to move the cursor left
② to move the cursor right
② - ② to enter numeric data or Tel Port No.

- OR
Conf to go to next assigned Tel Port No.

Redial +1 to enter A for Port Numbers 100~109

Redial +2 to enter B for Port Numbers 110~119

Redial +3 to enter C for Port Number 120

4 Press Transfer to write the data and display the next Memory Block.

5 Program the next Memory Block or press Transfer to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

№ Notes

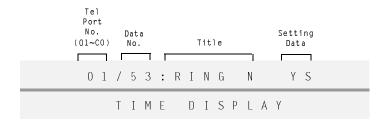
- 1. Telephone ports A0~C0 are ports 100~120.
- Ringing must be assigned in Memory Block 4-01 [CO/PBX Ring Assignment (Day Mode)] for the YS choice to work. When ringing is assigned, and NO is assigned here, the telephone does not ring during incoming CO/PBX calls.

CO/PBX Answer Key Operation Without Ringing Assignment (Night Mode)

General Description

Use this Memory Block to specify whether or not night assignment Answer key operation uses ringing. When NO is selected, press the Answer key while an incoming CO line key is flashing to answer the line key call. When YS is selected, the telephone must be ringing for the Answer key to answer an incoming CO/PBX call.

Display



Telephone Mode 4 Submode — Data No. 53 PC Programming Alt +BTT

Settings

LK 1	LK 2	LK 3	LK 4
NO	YS		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1 Go off-line.

2 Press LK4 + ③ ③ to access the Memory Block.

3 Press LK1 to press the answer key while an incoming CO line key is flashing to answer the call forTel Port No.

Use the following:

② to move the cursor left
② to move the cursor right
② ~ ② to enter numeric data or Tel Port No.

- OR
Conf to go to next assigned Tel Port No.

Redial +1 to enter A for Port Numbers 100~109

Redial +2 to enter B for Port Numbers 110~119

Redial +3 to enter C for Port Number 120

4 Press Transfer to write the data and display the next Memory Block.

5 Program the next Memory Block or press Transfer to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

Notes La

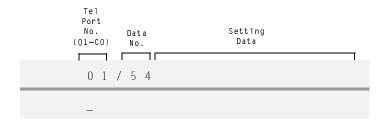
- 1. Telephone ports A0~C0 are ports 100~120.
- Ringing must be assigned in Memory Block 4-02 [CO/PBX Ring Assignment (Night Mode)] for the YS choice to work. When ringing is assigned, and NO is assigned here, the telephone does not ring during incoming CO/PBX calls.

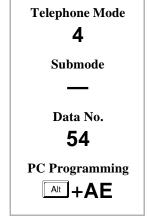
Enhanced 911 CESID to Station Table Assignment

General Description

Use this Memory Block to specify E911 Caller Emergency Service Identification (CESID).

Display





Programming Procedures

1	Go off-line.
2	Press LK4 + (2) (4) to access the Memory Block.

- Enter data using dial pad. Enter 7- or 10-digit code plus up to 5-digit extension number (15 digits maximum) for Tel port No. Use the following:
 - * to move the cursor left
 - # to move the cursor right
 - (P) ~ (9) to enter numeric data or Tel Port No.

- OR -

- Conf to go to next assigned Tel Port No.
- (Hold) to clear data when cursor is at setting data position
- (Redial) +1 to enter A for Port Numbers 100~109
- Redial +2 to enter B for Port Numbers 110~119
- (Redial) +3 to enter C for Port Number 120
- 4 Press Transfer to write the data and display the next Memory Block.
- 5 Program the next Memory Block or press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name	
1-8-43	Enhanced 911 Trunk Assignment	
1-8-44	Enhanced 911 Alternate Route Assignment	
1-8-45	Enhanced 911 Alternate Route Assignment (Maintenance Busy)	
1-8-46	Enhanced 911 Dialing Digit Assignment	

Notes Notes
Telephone ports A0~C0 are ports 100~120.

Programming Manual 1 - 479

CO/PBX Telephone Ringing Pattern Selection

General Description

Use this Memory Block to specify the ringing pattern assigned to each telephone.

System Software S5000 is required.

Display



CO/PBX Line Mode 4 Submode — Data No. 55 PC Programming Alt +BTT

Settings

Page 1

LK 1	LK 2	LK 3	LK 4
–	Ringing Pattern	Ringing Pattern	Ringing Pattern
(None)	A	B	C
LK 5	LK 6	LK 7	LK 8
Ringing Pattern	Ringing Pattern	Ringing Pattern	Ringing Pattern
D	E	F	G

Page 2

LK 1	LK 2	LK 3	LK 4
Ringing Pattern H			
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

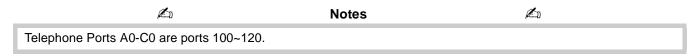
1	Go off-line.		
2	Press LK4 + 🐧 🐧 to access the Memory Block.		
	Press the corresponding CO/PBX line key to select the ringing pattern for Tel Port No. Use the following:		
	* to move the cursor left		
	# to move the cursor right		
	(g) ~ (g) to enter numeric data or Tel Port No.		
	– OR –		
	Conf to go to next assigned Tel Port No.		
	Recall to go to the next page		
	Feature to go to the previous page		
	Redial +1 to enter A for Port Numbers 100~109		
	Redial +2 to enter B for Port Numbers 110~119		
	Redial +3 to enter C for Port Number 120		

Programming Procedures (Continued)

4	Press Transfer to write the data and display the next Memory Block.
5	Program the next Memory Block or press Speaker to go back on-line.

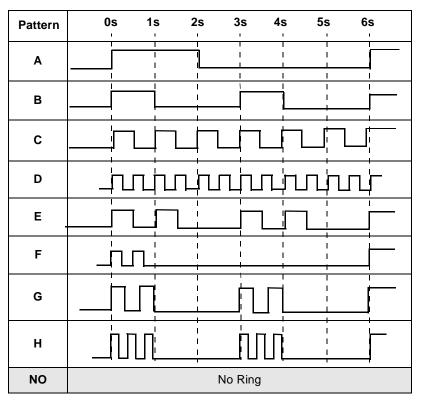
Related Programming

M.B. Number	Memory Block Name	
4-57	CO Line Ringing Pattern Priority Selection	



The Ring Patterns are shown in the table below:





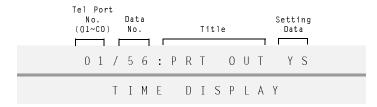
SMDR Telephone Print Selection

General Description

Use this Memory Block to specify whether or not a call record is printed for the specified station.

System Software \$5000 is required to support selection.

Display



CO/PBX Line Mode 4 Submode — Data No. 56 PC Programming Alt +AS

Settings

LK 1	LK 2	LK 3	LK 4
YES	NO		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.
2	Press LK4 + ② ⑤ to access the Memory Block.
	Press LK2 to deny call record printing for Tel port No. Use the following:
	* to move the cursor left
	# to move the cursor right
	② ~ ② to enter numeric data or Tel Port No.
	– OR –
	Conf to go to next assigned Tel Port No.
	Redial +1 to enter A for Port Numbers 100~109
	Redial +2 to enter B for Port Numbers 110~119
	Redial +3 to enter C for Port Number 120
4	Press Transfer to write the data and display the next Memory Block.
5	Program the next Memory Block or press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name	
1-5-13	Printer Connected Selection	

№ Notes

Telephone Ports A0~C0 are ports 100~120.

CO Line Ringing Pattern Priority Selection

General Description

Use this Memory Block to specify the priority for station or CO/PBX line ringing.

System Software S5000 is required.

Display



CO/PBX Line Mode 4 Submode — Data No. 57 PC Programming Alt +BTT

Settings

LK 1	LK 2	LK 3	LK 4
CO	TEL		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.	
2	Press LK4 + ② ② to access the Memory Block.	
	Press the corresponding CO/PBX line key to change the data option. Use the following:	
	* to move the cursor left	
	# to move the cursor right	
	② ~ ③ to enter numeric data or Tel Port No.	
	– OR –	
	Conf to go to next assigned Tel Port No.	
	Redial +1 to enter A for Port Numbers 100~109	
	Redial +2 to enter B for Port Numbers 110~119	
	Redial +3 to enter C for Port Number 120	
4	Press Transfer to write the data and display the next Memory Block.	
5	Program the next Memory Block or press Speaker to go back on-line.	

Related Programming

M.B. Number	Memory Block Name	
4-55	4-55 CO/PBX Telephone Ringing Pattern Selection	
3-67	3-67 CO/PBX Ringing Pattern Selection	

Notes Notes

Telephone Ports A0~C0 are ports 100~120.

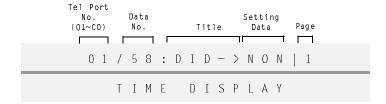
Automated Attendant Selection for DID

General Description

Use this Memory Block to specify the Automated Attendant message for DID calls.

System Software S5000 is required.

Display



CO/PBX Line Mode 4 Submode — Data No. 58 PC Programming Alt +AU

Settings

Page 1

LK 1	LK 2	LK 3	LK 4
NON	AA1	AA2	AA3
LK 5	LK 6	LK 7	LK 8
AA4	AA5	AA6	AA7

Page 2

LK 1	LK 2	LK 3	LK 4
AA8			
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.	
2	Press LK3 + Transfer + (2) (8) to access the Memory Block.	
3	Press the line key to specify Automated Attendant priority for Tel port No. Use the following:	
	* to move the cursor left	
	# to move the cursor right	
	② ~ ③ to enter numeric data or Tel Port No.	
	– OR –	
	Conf to go to next assigned Tel Port No.	
	Recall to go to the next page	
	Feature to go to the previous page	
	Redial +1 to enter A for Port Numbers 100~109	
	Redial +2 to enter B for Port Numbers 110~119	
	Redial +3 to enter C for Port Number 120	
4	Press Transfer to write the data and display the next Memory Block.	

Programming Procedures

5 Program the next Memory Block or press Speaker to go back on-line.

Related Programming

No Related Programming is required.

№1 Notes

Telephone Ports A0~C0 are ports 100~120.

APR/APA Hookflash Selection

General Description

Use this Memory Block to allow/deny Hookflash for Analog Port Adapter with Ringer (APR)/ Analog Port Adapter (APA) without ringer on a Multime Terminal.

System Software S5500 or higher is required.

Display



CO/PBX Line Mode 4 Submode — Data No. 59 PC Programming Alt + AU

Settings

Page 1

LK 1	LK 2	LK 3	LK 4
NO	YS		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.	
2	Press LK4 + ② ② to access the Memory Block.	
3	Use the following to enter data: ** to move the cursor left ** to move the cursor right ** to move the cursor right ** o move the cursor right ** o move the cursor right ** o enter numeric data or Tel Port No. - OR - **Conf** to go to next assigned Tel Port No. **Redial** +1 to enter A for Port Numbers 100~109 **Redial** +2 to enter B for Port Numbers 110~119 **Redial** +3 to enter C for Port Number 120	Default Values Ports 01~CO = NO
4	Press the corresponding CO/PBX line key to change the setting data option.	
5	Press Fransfer to write the data and display Memory Block 4-1 for nextTel Port No.	
6	Program the next Tel Port No. or press Speaker To go back on-line.	

Related Programming

M.B. Number	Memory Block Name	
1-1-02	Hookflash Time Selection	
1-3-02	SLT Hookflash Signal Selection	
4-39	APR Ring Mode Assignment	

Related Programming

M.B. Number	Memory Block Name	
4-95	DTMF/DP SLT Type Selection	

∠□ Notes **∠**□

- 1. System Software S5500 or higher is required to support APR/APA Hookflash.
- 2. Operation of SLT connected to APR or APA is the same as the Single Line Telephone.

ISDN-PRI Directory Number Selection

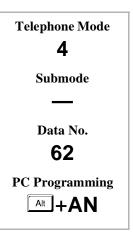
General Description

Use this Memory Block to provide the station DID Number (CPN, Calling Party Number) to the Network when placing outgoing calls.

System Software S6000 or higher is required.

Display





Programming Procedures

1	Go off-line.
2	Press LK4 + 6 2 to access the Memory Block.
3	Use the following to enter data: ** to move the cursor left. ** to move the cursor right. ** to enter numeric data. - OR - Press Conf to go to the next TEL port number. Press to clear data.
4	Press Transfer to write the data and display Memory Block 4-01.
5	Program Memory Block 4-01 or press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
3-52	ISDN Trunk Directory Number Assignment
3-91	Trunk Type Assignment
4-47	ISDN Directory Number Selection



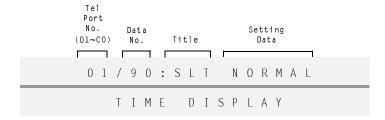
- 1. A maximum of 13 digits is allowed.
- 2. Hyphens/dashes are not allowed when entering the directory number.
- 3. This Memory Block supports only trunks assigned as DID in Memory Block 3-91.
- 4. When using CO Line Mode, Memory Block 3-52 is used to assign the directory number for ISDN-PRI.

SLT Data Line Security Assignment

General Description

Use this Memory Block to specify NORMAL or DATA position for a Single Line Telephone (SLT).

Display



Telephone Mode 4 Submode — Data No. 90 PC Programming Alt +BTT

Settings

LK 1	LK 2	LK 3	LK 4
NORMAL	DATA		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

Go off-line. Press LK4 + (9) (1) to access the Memory Block. Press LK2 to select DATA for single Line telephones for Tel Port No. Use the following: B * to move the cursor left # to move the cursor right (P) ~ (P) to enter numeric data or Tel Port No. - OR -Conf to go to next assigned Tel Port No. Redial +1 to enter A for Port Numbers 100~109 Redial +2 to enter B for Port Numbers 110~119 Redial +3 to enter C for Port Number 120 Press Transfer to write the data and display the next Memory Block. Program Memory Blocks 4-91~4-95. The next Tel Port No. is displayed. Repeat Steps 3, 4, and 5, for all Tel Port Nos. Tel Port No. 01 is displayed again for Memory Block 4-90. Press Speaker to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

∠□ Notes **∠**□

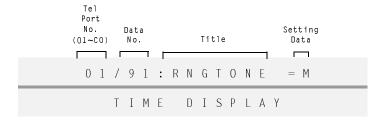
- 1. When connecting SLT/Voice Mail, assign NORMAL. When connecting Fax/Modem, assign DATA.
- 2. When Multiline Terminal is assigned for Data Line Security, Tone Override and Call Alert Notification tones are not heard from the handset; however, the tone is still sent and heard from the speaker when off-hook.
- 3. Data Line Security denies a station from barging in, even if Barge-In is allowed in Class of Service.
- 4. When this Memory Block is set to DATA, the Voice Override tone is not heard when doing a Voice Over Split.
- 5. Telephone ports A0~C0 are ports 100~120.

Telephone Ringing Variation Selection

General Description

Use this Memory Block to assign a Low, Medium, or High ringing tone frequency when Telephone is specified in Memory Block 1-1-28 (Distinctive Ringing by Telephone or CO Selection).

Display



Telephone Mode 4 Submode — Data No. 91 PC Programming Alt +BTM

Settings

LK 1	LK 2	LK 3	LK 4
М	L	Н	
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.	
2	Press LK4 + 🔔 🕛 to access the Memory Block.	
3	Press the line Key to select ringing frequency for Tel Port No. Use the following:	
	* to move the cursor left	
	# to move the cursor right	
	(P) ~ (P) to enter numeric data or Tel Port No.	
	– OR –	
	to go to next assigned Tel Port No.	
	Redial +1 to enter A for Port Numbers 100~109	
	Redial +2 to enter B for Port Numbers 110~119	
	Redial +3 to enter C for Port Number 120	
4	Press Transfer to write the data and display the next Memory Block.	
5	Program the next Memory Block or press Speaker to go back on-line.	

Related Programming

M.B. Number	Memory Block Name
1-1-28 Distinctive Ringing by Telephone or CO Selection	

Related Programming

M.B. Number	Memory Block Name	
3-07	CO/PBX Ringing Variation Selection	



1. This block is applicable for telephones selected in Memory Block 1-1-28 (Distinctive Ringing by Telephone or CO Selection).

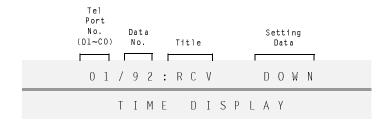
- 2. Selected ringing tone (H, M or L) applies to incoming outside line calls only.
- 3. Telephone ports A0~C0 are ports 100~120.

Receiving Volume Selection

General Description

Use this Memory Block to specify whether receiving volume is returned to normal (DOWN) or kept as is (UP) on a call after hanging up.

Display



Telephone Mode 4 Submode — Data No. 92 PC Programming Alt +BTT

Settings

LK 1	LK 2	LK 3	LK 4
DOWN	UP		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1 Go off-line.

2 Press LK4 + ② ② to access the Memory Block.

3 Press LK2 to keep volume UP after hanging up a call.

1 Use the following:

1 to move the cursor left
1 to move the cursor right
1 o enter numeric data or Tel Port No.

1 OR
1 Conf to go to next assigned Tel Port No

1 Redial +1 to enter A for Port Numbers 100~109

1 Redial +2 to enter B for Port Numbers 110~119

1 Redial +3 to enter C for Port Number 120

4 Press Transfer to write the data and display the next Memory Block.

5 Program the next Memory Block or press Speace to go back on-line.

Notes L

1. Receiving Volume Down:

Multiline Terminal: The volume (increased by pressing Feature) and ②) is reset when you hang up. Single Line Telephone: Normal.

2. Receiving Volume Up:

Multiline Terminal: The volume (increased by pressing Feature and ②) is not reset when you hang up. Single Line Telephone: The volume is increased 6 dB.

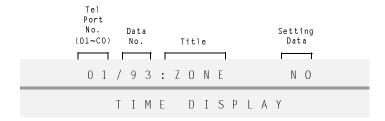
- 3. This feature applies to internal and external calls.
- 4. Telephone ports A0~C0 are ports 100~120.

Internal Zone Paging Selection

General Description

Use this Memory Block to assign stations as Internal page zones.

Display



Telephone Mode 4 Submode — Data No. 93 PC Programming Alt +BTM

Settings

LK 1	LK 2	LK 3	LK 4
NO	Α	В	С
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1 Go off-line.

2 Press LK4 + ② ③ to access the Memory Block.

3 Press the corresponding CO/PBX line key to select internal page zone for Tel Port No.

Use the following:

** to move the cursor left

** to move the cursor right

** to enter numeric data or Tel Port No.

- OR
Conf to go to next assigned Tel Port No.

Redial +1 to enter A for Port Numbers 100~109

Redial +2 to enter B for Port Numbers 110~119

Redial +3 to enter C for Port Number 120

4 Press Transer to write the data and display the next Memory Block.

5 Program the next Memory Block or press Speaker to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

∠n Notes

1. Specify one zone:

All Internal Zones: Paged by dialing 51

Zone A: Paged by dialing 52
Zone B: Paged by dialing 53
Zone C: Paged by dialing 54.

2. Telephones can be assigned to No Zone. All Internal Zones page the telephone unless No Page Receive is assigned in Memory Block 4-31 (Receiving Internal/All Call Page Selection).

3. All Internal Zones pages all of the idle Multiline Terminals.

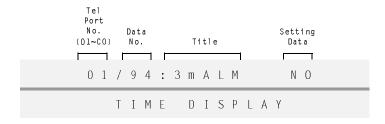
4. Telephone ports A0~C0 are ports 100~120.

3-Minute Alarm Selection

General Description

Use this Memory Block to specify per station whether or not a warning tone is generated at 3-minute intervals during an outgoing or incoming CO/PBX call.

Display



Telephone Mode 4 Submode — Data No. 94 PC Programming Alt +BTM

Settings

LK 1	LK 2	LK 3	LK 4
NO	YS		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1 Go off-line.

2 Press LK4 + ② ① to access the Memory Block.

3 Press LK2 to generate a three-minute warning tone during a call for Tel port No.

Use the following:

*** to move the cursor left

*** to move the cursor right

*** to move the cursor right

*** to enter numeric data or Tel Port No.

- OR
*** Conf** to go to next assigned Tel Port No.

Redial +1 to enter A for Port Numbers 100~109

*** Redial +2 to enter B for Port Numbers 110~119

*** Redial +3 to enter C for Port Number 120

4 Press *** Transfer** to write the data and display the next Memory Block.

5 Program the next Memory Block or press *** peaker** to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

№ Notes

1. A 1-second (approximately) warning signal sounds every three minutes during CO/PBX calls.

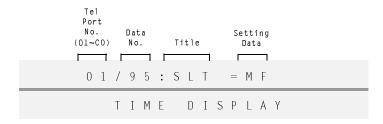
- 2. The alarm tone is heard through the terminal speaker only.
- 3. When the built-in speakerphone is used for handsfree, the warning signal is not used.
- 4. Telephone ports A0~C0 are ports 100~120.

DTMF/DP SLT Type Selection

General Description

Use this Memory Block to specify per port whether Dial Pulse or Dual-Tone Multifrequency (MF) Single Line Telephone is connected to the system.

Display



Telephone Mode 4 Submode — Data No. 95 PC Programming Alt +BTI

Settings

LK 1	LK 2	LK 3	LK 4
DP	MF		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1 Go off-line.

2 Press LK4 + ② ③ to access the Memory Block.

3 Press LK1 to specify Dial Pulse for single line telephones connected to the system.

Solution Use the following:

** to move the cursor left

** to move the cursor right

** to move the cursor right

** to enter numeric data or Tel Port No.

-OR
Conf to go to next assigned Tel Port No

Redial +1 to enter A for Port Numbers 100~109

Redial +2 to enter B for Port Numbers 110~119

Redial +3 to enter C for Port Number 120

4 Press Transfer to write the data and display the next Tel Port No. for Memory Block 4-90.

5 Repeat Steps 3 and 4 for all Tel Port Nos. Tel Port No. 01 for Memory Block 4-90 is displayed.

Related Programming

No related programming is necessary for this Memory Block.

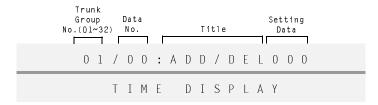
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Digit Add/Del for Tie Line Networking Assignment

General Description

Use this Memory Block to specify the number of digits to add/delete from the telephone number sent from a distant system over Tie lines or from DID lines. The digits enable the system to determine whether a call is directed to itself (local) or to another system (distant). Refer to the Notes.

Display



Trunk Group Mode

5
Submode
—
Data No.
00
PC Programming

Alt +ALN

Programming Procedures

1	Go off-line.		
2	Press LK5 to access the Memory Block.		
3	Press the corresponding CO/PBX line key to enter the data. Use the following to enter data: * to move the cursor left * to move the cursor right * to enter numeric data Cont to go to the next Trunk Group No.		
	Setting Data: 000: No Addition or Deletion 001~009: [1]~[9] Add 010: [0] Digit Add 100~199: [00]~[99} Add 201: 1-Digit Delete 202: 2-Digit Delete 301~309: 1-Digit Delete and 1~9 Add 310: 1-Digit Delete and 0 Add 400~499: 1-Digit Delete and 00~99 Add 501~509: 2-Digit Delete and 0 Add 510: 2-Digit Delete and 0 Add 600~699: 2-Digit Delete and 00 ~99 Add		
4	Press Transfer To write the data and display Memory Block 5-01.		
5 6	After Memory Blocks 5-01~5-03 are programmed, the next Trunk Group No. is displayed on Memory Block 5-00. Program all Trunk Group Nos. Trunk Group No. 01 is displayed again.		
7	Press Speaker to go back on-line.		

Related Programming

M.B. Number	Memory Block Name
1-1-46	Access Code (1-Digit) Assignment
3-03	Trunk-to-Trunk Group Assignment

№ Notes

1. This Memory Block applies only when two or more systems are connected by Tie lines or when the systems are connected by a DID line.

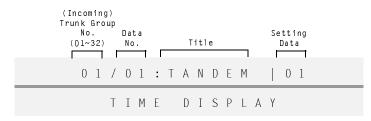
- 2. When the call is intended for another system, the Tie line is directed to send the number again.
- 3. At default, DID lines are not assigned to a Trunk group.
- 4. This Memory Block affects T1 channels assigned as Tie/DID lines.

Tie Line Networking Tandem Connection Assignment

General Description

Use this Memory Block to specify whether or not Trunk groups connected to the system allow incoming Trunk groups to be connected to outgoing Trunk groups for tandem connections.

Display



Trunk Group Mode 5 Submode Data No. 01 PC Programming Alt +ALN

Settings

Page 1

LK 1	LK 2	LK 3	LK 4
01	02	03	04
LK 5	LK 6	LK 7	LK 8
05	06	07	08

Page 2

LK 1	LK 2	LK 3	LK 4
09	10	11	12
LK 5	LK 6	LK 7	LK 8
13	14	15	16

Page 3

LK 1	LK 2	LK 3	LK 4
17	18	19	20
LK 5	LK 6	LK 7	LK 8
21	22	23	24

Page 4

LK 1	LK 2	LK 3	LK 4
25	26	27	28
LK 5	LK 6	LK 7	LK 8
29	30	31	32

Programming Procedures

1	Go off-line.					
2	Press LK5 + Transfer .					
3	Press the corresponding CO/PBX line key to change the data option. Operation data includes:					
CO/PBX Line LED Off On The shaded selection is the default.				selection is the		
				default.		
	Use the following to enter data: ** to move the cursor left ** to move the cursor right Recall to go to the next page Feature to go to the previous page Conf to go to the next Trunk Group No.					
4	Press Transfer to write	e the data and disp	ay the next Memor	y Block.		
5	Program the next M	lemory Block or pre	ss Speaker to go bac	sk on-line.		

Related Programming

M.B. Number	Memory Block Name
3-03	Trunk-to-Trunk Group Assignment
4-09	Telephone to Tenant Assignment

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Æ 1]	Notes	(المنظم

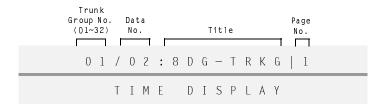
Tandem connection of Trunk Group-to-Trunk Group must be specified separately.

8-Digit Matching Table to Trunk Group Assignment

General Description

Use this Memory Block to assign each Trunk group to the 8-Digit Matching Tables.

Display



Trunk Group Mode

5
Submode

Data No.

02
PC Programming

At +AC

Settings

Page 1

LK 1	LK 2	LK 3	LK 4
Table 00	Table 01	Table 02	Table 03
LK 5	LK 6	LK 7	LK 8
Table 04	Table 05	Table 06	Table 07

Page 2

All are enabled.

LK 1	LK 2	LK 3	LK 4
Table 08	Table 09	Table 10	Table 11
LK 5	LK 6	LK 7	LK 8
Table 12	Table 13	Table 14	Table 15

Programming Procedures

1	Go off-line.				
2	Press LK5 + Transfer + (2) (2) to access the Memory Block.				
3	Press the corresponding CO/PBX line key to change the data option. Operation data includes:				
	CO/PBX Line LED Off On The shaded selection is the default.				
	Data Disabled Enabled				
	Use the following to enter data: * to move the cursor left * to move the cursor right Recall to go to the next page Feature to go to the previous page Conf to go to the next Trunk Group No.				
4	Press Transfer to write the data and display the next Memory Block.				
5	Program the next Memory Block or press (Speaker) to go back on-line.				

Related Programming.

Refer to Section 6 Code Restriction in this chapter.

OCC Table to Trunk Group Assignment

General Description

Use this Memory Block to assign each of the 16 OCC Tables to each Trunk group.

Display



Trunk Group Mode 5 Submode Data No. 03 PC Programming Alt +AC

Settings

Page 1

LK 1	LK 2	LK 3	LK 4
Table 00	Table 01	Table 02	Table 03
LK 5	LK 6	LK 7	LK 8
Table 04	Table 05	Table 06	Table 07

Page 2

LK 1	LK 2	LK 3	LK 4
Table 08	Table 09	Table 10	Table 11
LK 5	LK 6	LK 7	LK 8
Table 12	Table 13	Table 14	Table 15

All are enabled.

Programming Procedures

1	Go	Go off-line.							
2	Pre	Press LK5 + Transfer + 🐠 👶 to access the Memory Block.							
3	Pre	ess the correspond	ing CO/PBX line ke	y to enter the data.	Operation data includes:	Default Values Use all tables			
		CO/PBX Line LED	Off	On	The shaded selection is the default.				
		Data	Disabled	Enabled					
	Use the following to enter data: * to move the cursor left # to move the cursor right Recall to go to the next page Feature to go to the previous page Conf to go to the next Trunk Group No.								
4	Press Transfer To write the data and display the next Trunk Group No. for Memory Block 5-00.								

Related Programming

Refer to Section 6 Code Restriction in this chapter.

Tenant Mode Copy Assignment

General Description

Use this Memory Block to enable copying data from one tenant to another tenant or multiple consecutive tenants.

Display





Programming Procedures

1	Go off-line.			
2	Press LK6 + LK2 to access the Memory Block.			
3	Enter the tenant to be copied.			
	Use the following to enter data:			
	② ~ ② to enter numeric data			
	Hold to clear all data when placed at cursor position			

Related Programming

No related programming is necessary for this Memory Block.

EXAMPLE: To copy data of Tenant 00 to Tenant 05~07:

1. Enter the original Tenant No. Using the dial pad, press (2).



2. Press Transfer .



3. Enter the beginning of the tenant $(00\sim47)$ range to be copied to. Using the dial pad, press 2 3.



4. Enter the end of the tenant (00~47) range to be copied to. Using the dial pad, press ②.



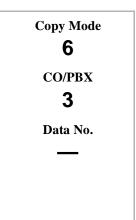
CO Line Mode Copy Assignment

General Description

Use this Memory Block to enable copying data from one CO/PBX line to another CO/PBX line or multiple consecutive CO/PBX lines.

Display





Programming Procedures

1	Go off-line.	
2	Press LK6 + LK3 to access the Memory Block.	
3	3 Enter the CO/PBX line to be copied.	
	Use the following to enter data:	
	② ~ ② to enter numeric data	
	Hold to clear all data when placed at cursor position	

Related Programming

No related programming is necessary for this Memory Block.

EXAMPLE: To copy data of CO/PBX line 01 to CO/PBX line 05~07:

1. Enter the original CO/PBX No. Using the dial pad, press <a>(1) <a>(2) <a>(1) <a>(2) <a>(3) <a>(3) <a>(4) <a>(4) <a>(5) <a>(6) <a>(7) <a>(8) <a>(8) <a>(7) <a>(8) <a>(8)<





3. Enter the beginning of the CO/PBX (02~64) range to be copied to. Using the dial pad, press ② 3.

4. Enter the end of the CO/PBX (02~64) range to be copied to. Using the dial pad, press ②.

Telephone Mode Copy Assignment

General Description

Use this Memory Block to enable copying data from one telephone port to another telephone port or multiple consecutive telephone ports.

Display



Copy Mode
6
Telephone
4
Data No.

Programming Procedures

1	Go off-line.	
2	Press LK6 + LK4 to access the Memory Block.	
3	3 Enter the Tel. Port No. to be copied.	
	Use the following to enter data:	
	② ~ ② to enter numeric data	
	Hold to clear all data when placed at cursor position	

Related Programming

No related programming is necessary for this Memory Block.

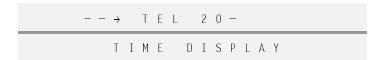
EXAMPLE: To copy data of telephone port 01 to telephone ports 20~30:

1. Enter the original Tel. No. Using the dial pad, press (?) (?) .

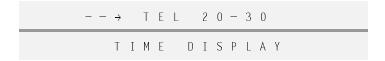




3. Enter the beginning of the Tel. Port No. (01~C0) range to be copied to. Using the dial pad, press ② ② .



4. Enter the end of the Tel. Port No. (01~C0) range to be copied to. Using the dial pad, press ② ②.

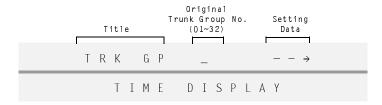


Trunk Group Mode Copy Assignment

General Description

Use this Memory Block to enable copying data from one Trunk group to another Trunk group or multiple consecutive Trunk groups.

Display



Copy Mode
6
Trunk Group
5
Data No.

Programming Procedures

1	Go off-line.	
2	Press LK6 + LK5 to access the Memory Block.	
3	3 Enter the Trunk group to be copied.	
	Use the following to enter data:	
	(a) ~ (b) to enter numeric data	
	Hold to clear all data when placed at cursor position	

Related Programming

No related programming is necessary for this Memory Block.

EXAMPLE: To copy data of Trunk Group 01 to Trunk Groups 10~14:

1. Enter the original Trunk Group. Using the dial pad, press <a>(2) <a>(7) <a>.



- 2. Press Transfer .
- 3. Enter the Trunk Group. Using the dial pad, press 🗥 🥒 ~ 🗥 🐔 .



4. Enter the Start Trunk Group No. (01~32). Using the dial pad, press ① ②.



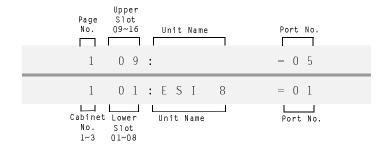
5. Enter the End Trunk Group (01~32). Using the dial pad, press (1) (4).

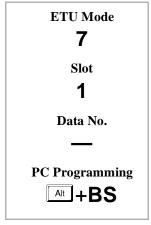
Card Interface Slot Assignment

General Description

Use this Memory Block to specify the installed ETU.

Display





Programming Procedures

1	Go off-line.	
2	Press LK7 + LK1 to access the Memory Block.	

Programming Procedures (Continued)

3 Use the Line key to enter Setting Data:

Page 1

Line Key	Setting Data	LCD Indication
1	NON	
2	COI(4)-U10/COIB(4)-U10	COI 4
3	COI(8)-U10	COI 8
4	NON	
5	COID(4)-U10/COIB(4)-U10	COID 4
6	COID(8)-U10	COID 8
7	TLI(2)-U10	TLI
8	DID(4)-U10	DID

Page 2

Line Key	Setting Data	LCD Indication
1	ESI(8)-U10	ESI 8
2	NON	
3	SLI(8)/CNF(8)-U10	SLI 8
4	OPX(2)-U10	OPX
5	VDH2(8)-U10	VDH
6	DPH(4)-U10	DPH
7	PBR()-U10	PBR
8	ECR-U10	ECR

Page 3

Line Key	Setting Data	LCD Indication
1	VRS(4)-U10	VRS
2	NON	
3	VMS(2)/(4)/FMS(2)/(4)-U10	VMS 4
4	FMS/VMS(8)-U10	VMS 8
5	BRT(4)-U10	BRT
6	DTI-U10/20	DTI
7	PRT(1)-U10/20	PRT*
8	MIFM-U10	MIFM

Page 4

Line Key	Setting Data	LCD Indication
1	MIFA-U10	MIFA
2	NON	
3	NON	
4	NON	
5	NON	
6	NON	
7	BSU(2)-U10	BSU 2***
8	SLI(4)-U10	SLI 4**

- ** System Software S4000 or higher
- *** System Software S5000 or higher

- Use the following to enter data:
 - * to move the cursor left
 - #) to move the cursor right
 - (9) ~ (9) to enter numeric data
 - Recall to go to the next page
 - Feature to go to the previous page
- 4 To assign upper Slot No. for DTI-U10/20 or PRT(1)-U10, press Redial.
- 5 Press Transfer to write the data.
- 6 Press Speaker to go back on-line.

^{*}System Software S3000 Version 3.10 or higher

Related Programming

M.B. Number	Memory Block Name
1-1-46	Access Code (1-Digit) Assignment
3-03	Trunk-to-Trunk Group Assignment
7-3-00	MIF(ACD) Assignment
7-3-01	MIF(LCR) Assignment
7-3-02	MIF(SMDR) Assignment
7-3-03	MIF(UCD) Assignment
7-3-04	MIF(Caller ID) Assignment

∠□ Notes **∠**□

- 1. ETU interface cards are assigned automatically during initial power up.
- 2. ESI(8)-U10 ETU with ports 01 and 02 cannot be changed.
- 3. When ETU system capacity is exceeded, ERROR is displayed on the LCD, and the Transfer key cannot be used to write data.
- DTI-U10/20 ETU must be assigned in both the upper and lower slot. The DTI-U10/20 ETU is installed in slot S1 or S4 of the first and slot S1 of the second B64-U10 KSU (Electra Elite 192), or slot S4 of the B48-U10 KSU (Electra Elite 48).
- 5. When changing an interface slot assignment to a different ETU, use the following procedure:
 - a. Remove the ETU installed in the slot.
 - Power off ACD(8), VoIP, VMS, or FMS ETU before removing it.
 - b. Program the slot for new ETU in this Memory Block.
 - c. Install the new ETU.
- 6. COID(4)-U10, COID(8)-U10, or COIB(4)-U10 ETU used in COID mode must be assigned in slots S1~S4 in the basic or first expansion B64-U10 KSU (192) or slots S3 or S4 of the B48-U10 KSU (48).
- 7. VMS(2)/FMS(2)-U10 ETU must be assigned as a VMS(4)/FMS(4)-U10 ETU.
- 8. Either the MIFA-U10 ETU or MIFM-U10 ETU must be installed in the Electra Elite 48, slot S2. The Electra Elite 48 cannot support both at the same time.
- 9. Eight BSU(2)-U10 ETUs can be installed in the Electra Elite 192. Only three can be installed in the Electra Elite 48.
- 10. System Software S5000 or higher is required to support the BSU(2)-U10 ETU.

Card Interface Slot Assignment

ETU	PORT NO. (Refer to *1)	UPPER (Refer to *2)	SLOT 3~6 (Elite 48) 1~8 (Elite 192) (Refer to *3)	OPTION SLOT A/B includes S1&S2 (Refer to *3)	SLOT 1~6 (Refer to *3)	SLOT 3/4 (Elite 48) 1~4 (Elite 192) (Refer to *3)
BRT(4)-U10	С					0
BSU(2)-U10	В		0			
COI(4)-U10/COIB(4)-U10	С	Х				0
COI(8)-U10	С	Х	0			
COID(4)-U10/COIB(4)-U10	С	Х				0
COID(8)-U10	С	Х	0			0
DID(4)-U10	С	0	0			
DPH(4)-U10	_		0			
DTI-U10/20	С	Х			0	
ECR-U10	_	Х	0			
ESI(8)-U10	Т	Х	0			
MIFA-U10	-			0		
MIFM-U10	-			0		
OPX(2)-U10	Т		0			
PBR()-U10	-	Х	0			
PRT(1)-U10/20	С	Х			0	
SLI(4)-U10	Т	Х	0			
SLI(8)/CNF(8)-U10	Т	Х	0			
TLI(2)-U10	С	0	0			
VDH2(8)-U10	Т		0			
VMS(2)/(4)/FMS(2)/(4)-U10	Т		0			
VMS(8)-U10	Т		0			
VRS(4)-U10	V	Х	0			

- *1 C: Port Number of CO/PBX Line
 - T: Telephone Port Number (smallest number is displayed)
 - V: Voice Recording Service Package
 - -: No Display
 - B: BSU No.
- *** 2** O: When the ETU is assigned to a lower slot, it can be assigned also to an upper slot in the same manner
 - X: When an ETU is assigned to a lower slot, another unit cannot be assigned in the upper slot.
- *** 3** O: Enabled Space: Disabled

Telephone Type Assignment

General Description

Use this Memory Block to specify the device that is connected to an ESI port.

Display



ETU Mode 7 Telephone 2 Data No. — PC Programming Alt +BS

Settings

LK 1	LK 2	LK 3	LK 4
NON	TEL	CONSOL	SLT ADP
LK 5	LK 6	LK 7	LK 8
		DIGITAL VM	MSG BOARD

The shaded selection is the default.

Programming Procedures

1	Go off-line.
2	Press LK7 + LK2 to access the Memory Block.
3	To change data, press the corresponding CO/PBX line key. Use the following to enter data:
	Conf to go to next assigned ESI Port No. or cycle back to 1
4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

Refer to Chapter 2 Guide to Feature Programming.

L□ Notes

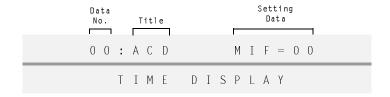
- 1. Only Multiline Terminals can be assigned to ports 01 and 02.
- 2. A maximum of four Attendant Add-On Consoles can be installed in the system.
- 3. A maximum of eight SLT(1)-U10 ADP adapters can be installed in the system.
- 4. A maximum of 16 Digital Voice Mail ports are available using System Software S4000 or higher. Using System Software S3500 or lower, only eight ports are allowed.
- 5. When assigning SLT adapters or Digital Voice Mail ports, Memory Block 4-10 (Station Number Assignment) must be reassigned also.
- 6. The D^{term} Cordless, D^{term} Cordless II, D^{term} Cordless Lite, or D^{term} Cordless Handset Terminal uses TEL selection.
- 7. A maximum of eight basic Message Display Boards and 40 expansion boards are available.

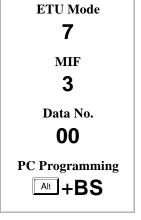
MIF (ACD) Assignment

General Description

Use this Memory Block to enable the Automatic Call Distribution (ACD) function of the MIFA-U10 ETU.

Display





Programming Procedures

1	Go off-line.	
2	Press LK7 + LK3 to access the Memory Block.	
3	Use the dial pad to enter data.	Default Value
	Use the following to enter data:	No Assignment (00)
	* to move the cursor left	
	# to move the cursor right	
	$(P) \sim (P)$ to enter numeric data	
	Setting Data: 00, 01, 02	
4	Press Transfer to write the data.	
5	Press Speaker to go back on-line.	

Related Programming



- 1. The ACD feature requires a KMA(1.0)U to be installed on the MIFA-U10 ETU.
- 2. ACD is not supported on the Electra Elite 48 system.

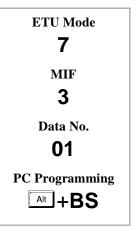
MIF (LCR) Assignment

General Description

Use this Memory Block to enable the Least Cost Routing (LCR) function of the MIFM-U10 $\,$ ETU.

Display





Programming Procedures

1	Go off-line.	
2	Press LK7 + LK3 + * 1 to access the Memory Block.	
3	Use the dial pad to enter data.	Default Value
	Use the following to enter data:	No Assignment (00)
	* to move the cursor left	
	to move the cursor right	
	~ o to enter numeric data	
	Setting Data: 00, 01, 02	
4	Press Transfer to write the data.	
5	Press Speaker to go back on-line.	

Related Programming

No related programming is necessary for this Memory Block.

Notes Notes

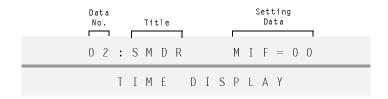
The LCR feature requires a KMM(1.0)U to be installed on the MIFM-U10 ETU.

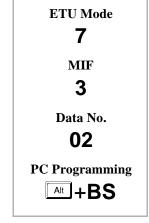
MIF (SMDR) Assignment

General Description

Use this Memory Block to enable the Station Message Detail Reporting (SMDR) function on the MIFM-U10 ETU.

Display





Programming Procedures

1	Go off-line.						
2	Press LK7 + LK3 + 🎉 🎉 to access the Memory Block.	Press LK7 + LK3 + 💰 💰 to access the Memory Block.					
3	Use the dial pad to enter data. Default Value						
	Use the following to enter data:	No Assignment (00)					
	* to move the cursor left						
	# to move the cursor right						
	② ~ ② to enter numeric data						
	Setting Data: 00, 01, 02						
4	Press Transfer to write the data.						
5	Press Speaker to go back on-line.						

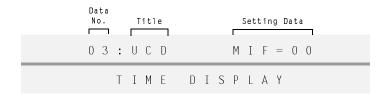
Related Programming

MIF (UCD) Assignment

General Description

Use this Memory Block to enable the Uniform Call Distribution (UCD) function on the MIFA-U10 ETU.

Display





Programming Procedures

1	Go off-line.						
2	Press LK7 + LK3 + 🎉 👶 to access the Memory Block.						
3	Use the dial pad to enter data. Default Value						
	Use the following are used when entering data:	No Assignment (00)					
	* to move the cursor left						
	# to move the cursor right						
	(P) ~ (P) to enter numeric data						
	Setting Data: 00, 01, 02						
4	Press Transfer to write the data.						
5	Press Speaker to go back on-line.						

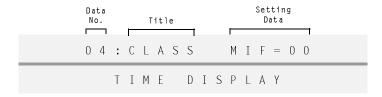
Related Programming

MIF (Caller ID) Assignment

General Description

Use this Memory Block to enable the ANI/Caller ID scrolling or outdial function on the MIFM-U10 ETU. Basic Caller ID works without an MIFM-U10 ETU installed.

Display





Programming Procedures

1	Go off-line.	
2	Press LK7 + LK3 + 🎉 🐔 to access the Memory Block.	
3	Use the dial pad to enter data.	Default Value
	Use the following to enter data:	No Function (00)
	* to move the cursor left	
	# to move the cursor right	
	② ~ ② to enter numeric data	
	Setting Data: 00, 01, 02	
4	Press Transfer to write the data.	
5	Press Speaker to go back on-line.	

Related Programming

No related programming is necessary for this Memory Block.



ANI/Caller ID scrolling and outdial must have the KMM(1.0)U installed on the MIFM-U10 ETU.

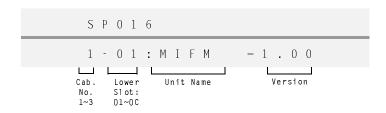
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ROM Version Confirmation

General Description

Use this Memory Block to confirm the ETU firmware version without removing the card from the KSU.

Display



Special Mode

8

ROM

1

Data No.

Programming Procedures

1	o off-line.						
2	Press LK8 + LK1 to access the Memory Block.						
3	Enter data using the Dial Pad.						
	Use the following to enter data:						
	* to move the cursor left						
	# to move the cursor right						
	Enter () ~ () = Cabinet No. 1~3, Lower Slot No 1~8						
	Slot Number A						
	(P) = Slot Number B						
	Recall = Slot Number C						
4	Press Transfer to advance to the next lower Slot No.						
5	Press Speaker to go back on-line.						

Related Programming

System Speed Dial Memory Clear

General Description

Use this Memory Block to clear all System Speed Dial programming.



Before using this procedure, understand completely the affect of erasing all System Speed Dial buffers in the system.

Special Mode

8
Spd-Clr-Sys
2
Data No.
—
PC Programming

Alt +BE

Display



Programming Procedures

1	Go off-line.				
2	Press LK8 + LK2 to access the Memory Block.				
3	The system display indicates CLR SYS SPD?, and the first four CO/PBX lines light red. Linekey Linekey Linekey Clinekey Cl				
4	Press (3) (1) (3) (2) to enter the fixed password. When each number of the password is being entered, the applicable top line CO/PBX LED changes from red to green. (3) = (1) (3) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4				
	T = Cinekey Linekey Linekey Clinekey Cl				
	Green Green Red				
	Green Green Green				
5	Press Transfer to write the data.				
6	Press Speaker to go back on-line.				

Related Programming

Station Speed Dial Memory Clear

General Description

Use this Memory Block to clear the the Station Speed Dial memories of all programmed Speed Dial numbers.



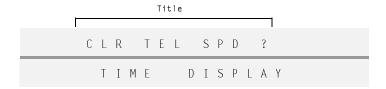
Before using this procedure, understand completely the affect of erasing all System Speed Dial buffers in the system.

Special Mode

8
Spd-Clr-Sta
3
Data No.
—
PC Programming

Alt +BE

Display



Programming Procedures

1	Go off-line.					
2	Press LK8 + LK3 to access the Memory Block.					
3	The system display indicates CLR TEL SPD?, and the first four CO/PBX lines light red. Linekey Linekey Linekey Clinekey Cl					
4	Press (2) (2) (2) to enter the fixed password. When each number of the password is being entered, the applicable top line CO/PBX LED changes from red to green. (3) = Linekey Line					
	(2) = Creen Green Red Red					
	Green Green Red					
	Green Green Green					
5	Press Transfer to write the data.					
6	Press Speaker to go back on-line.					

Related Programming

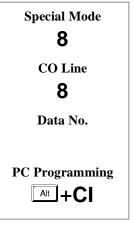
Second Initialization

General Description

Use this Memory Block to initialize all the system hardware. All system software and user programming are retained after the Second Initialization.

Display





Programming Procedures

1	Go off-line.				
2	Press LK8 + LK8 to access the Memory Block.				
3	When the system display prompt indicates CPU RESET?, the first four CO/PBX lines light red.				
	Linekey Linekey Linekey Linekey				
4	Press (3) (1) (2) to enter the fixed password.				
	When each number of the password is being entered, the applicable top line CO/PBX LED changes from red to green.				
	Green Red Red Red				
	(8) = Cinekey Clinekey Clineke				
	Green Green Red				
	Green Green Green				
5	Press Transfer to begin the initialization process.				
6					

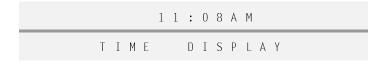
Related Programming

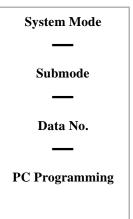
Clock/Calendar Setting

General Description

This Memory Block is used to set the time and date displayed on the Multiline Terminals. Clock/Calendar must be set on a port 01 or port 02 assigned terminal.

Display





Programming Procedures

1	Press Feature.
2	Dial 🥝 .
3	Dial # .
4	Dial current time (e.g. (e.g. (2) (3) : (2) (9)).
5	Press Recall to toggle AM/PM.
6	Press Hold to advance to the calendar.
7	Press Recall to select the day of the week.
8	Dial # to move the cursor to the day of the month setting.
9	Enter the date using the dial pad (💯 ~ 🎱).
10	Press Recall to select the month.
11	Dial # to move the cursor to the year setting.
12	Enter the last two digits of the year using the dial pad (🚇 ~ 🎱).
13	Press Feature

Related Programming

No related programming is necessary for this Memory Block.

∠ Notes **∠**

- 1. This operation must be performed at port 01, or port 02 only.
- 2. The Clock/Calendar cannot be set using PC Programming.
- 3. To set the time only, press Feature after Step 5.

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SECTION 5 FUNCTION TIME CHART

The chart on the following pages provides a list of times that can be programmed in the system. The information is listed numerically by Memory Block number. A brief definition and Minimum, Default, and Maximum values are given for each time.

Table 1-4 Function Time Chart

Time	Memory Block Definition	Value			
iiiie		Definition	Minimum	Default	Maximum
Pause Time Selection	1-1-00	Time when no signal is being sent to a CO/PBX line.	1.0s	3.0s	3.0s
DP Interdigit Time Selection	1-1-01	Minimum time between dialing signals in Dial Pulse dialing.	А	В	В
Hookflash Time Selection	1-1-02	Timing of a CO/PBX hookflash from the Recall key of a Multiline Terminal or a Single Line Telephone to the CO/PBX line.	20ms	600ms	5.0s
Hold Recall Time Selection (Non-Exclusive Hold)	1-1-03	The time before a held CO/PBX line recalls the station that put that line on hold.	25s	25s	∞
Automatic Redial Time Selection	1-1-04	Defines the redial timing parameters when automatic redial is set to a busy CO/PBX number.	Table 1 001 Table 2 001 Table 3 001	030 060 002	050 sec. 100 sec. 015 Attempts
Start Time Selection	1-1-05	The time after dialing before the system starts the elapsed Call Time.	2s	10s	70s
CO/PBX Incoming Ringing Alarm Time Selection	1-1-06	The time after an incoming CO/PBX call is detected before the ringing tone changes to a different ringing tone level when the call is not answered.	10s	∞	∞
Tie Line Delay Ringing Time Selection	1-1-07	The time between when a telephone rings (accessed by a ringing call in the Tie/DID line) and calls can start ringing at other assigned stations when it is not answered.	10s	∞	∞
Station Transfer/ Camp-On Recall Time Selection	1-1-12	The time before a ring transferred call recalls to the station that transferred the call.	25s	45s	∞

Table 1-4 Function Time Chart (Continued)

Ti	Memory Block Definition	Definition	Value			
Time		Definition	Minimum	Default	Maximum	
Trunk Queuing Timeout Selection	1-1-37	The time a station with Trunk Queue set rings before the queue is automatically canceled.	10s	10s	60s	
CO/PBX Prepause Time Selection	1-1-57	The time before dialed digits are sent over a CO/PBX line after the line is seized.	NON	1s	13s	
Hold Recall Time Selection (Exclusive)	1-1-63	The time (minutes) for Exclusive Hold Recall. No limit disables this feature.	0.5	1.0	∞	
Attendant Add-On Console Transfer/ Camp-On Recall Time Selection	1-1-64	The time (minutes) before a ring transfer or a station camp-on from a station with an Attendant add on console recalls to the originating station if unanswered.	0.5	1.0	10.0	
First Delay Announcement Start Time Selection	1-1-71	The time (seconds) between receiving an incoming CO call and sending the First Delay Announcement to the caller.	00	20	60	
First to Second Delay Announcement Interval Time Selection	1-1-73	The time (seconds) between the end of the First Delay Announcement and the beginning of the second Second Delay Announcement.	00	20	∞	
Second Delay Announcement Repeat Interval Time Selection	1-1-75	The time (seconds) to repeat the Second Delay Announcement.	0	20	∞	
Delayed Ringing Time Assignment (CO)	1-1-77	The time for delayed ringing on incoming outside line calls.	00s	15s	99s	
ISDN DTMF Duration/ Interdigit Selection	1-1-80	The tone duration/interdigit time (milliseconds) of DTMF signals.	70/60	100/70	900/200	
ISDN Dial Interval Time Selection	1-1-81	The time between each digit dialed.	2s	4s	32s	
Internal Paging Timeout Selection	1-2-00	The time allowed for paging.	90s	90s	∞	
Automatic Callback Release Time Selection	1-2-02	Time allowed before Automatic Callback is automatically canceled.	30s	30m	30m	
Call Forward - No Answer Time Selection	1-2-22	The time before ICM or Trunk calls are forwarded when there is no answer.	4s	8s	60s	

Table 1-4 Function Time Chart (Continued)

Time	Memory Block	Definition	Value		
			Minimum	Default	Maximum
System Call Park Recall Time Selection	1-2-23	Time (minutes) before a parked call recalls to the station that parked the call.	0.5	1.0	10.0
Delayed Ringing Time Assignment (ICM)	1-2-26	The delayed ringing time on incoming internal calls.	00	10s	99
PS Out of Area Time Assignment	1-2-30	The retry time when PS is Out of Area.	00	08s	99
Bounce Protect Time Selection	1-3-01	The time for detecting a valid off- hook that is long enough to prevent unintentional bounce as an off- hook indication from a Single Line Telephone or Voice Mail System.	0ms	300ms	1500ms
First Digit PBR Release Time Selection	1-3-03	The time that a receiver is connected when a DTMF Single Line Telephone user is dialing.	10s	10s	60s
Hookflash Start Time Selection	1-3-05	The minimum hookflash time (milliseconds) for a Single Line Telephone or Voice Mail System before a valid hookflash is detected.	40	290	790
Hookflash End Time Selection	1-3-06	The maximum hookflash time from a Single Line Telephone to receive a second dial tone (HST = Hookflash Start Time).	00 (HST + 0 ms.)	07 (HST + 700 ms.)	15 (HST + 1500 ms.)
Voice Mail DTMF Delay Time Selection	1-3-08	The delay time before DTMF tones are sent from the VMI port.	0s	1s	8s
Voice Mail Disconnect Time Selection	1-3-09	The time a disconnect signal is sent to Voice Mail equipment.	0.5s	1.5s	3.5s
Voice Mail DTMF Duration/Interdigit Time Selection	1-3-10	The DTMF duration/interdigit time (milliseconds) for voice mail.	60/70	110/80	810/190
Tandem Transfer Automatic Disconnect Time Selection	1-4-00	The maximum time (minutes) before the system automatic disconnects a Trunk-to-Trunk connection.	000	060	999
Automated Attendant First Digit PBR Release Time Selection	1-4-01	The time a PBR circuit remains connected after the Automated Attendant message is played when a call comes in through an Automated Attendant trunk.	5s	20s	60s

Table 1-4 Function Time Chart (Continued)

Time	Memory Block	Definition	Value		
			Minimum	Default	Maximum
Automated Attendant Transfer Delayed Ringing Time Selection	1-4-02	The time a call rings at the destination before the Automated Attendant rings a predetermined station.	10s	∞	∞
Automated Attendant No Answer Disconnect Time Selection	1-4-03	The time the Automated Attendant rings a station before automatic disconnect.	1m	2m	4m
Automated Attendant Answer Delay Time Assignment	1-4-13	The time before the Automated Attendant answers an incoming CO/PBX call.	00s	04s	99s
Automated Attendant 1 st to 2 nd Delay Announcement Interval Time Selection	1-4-19	The time between Automated Attendant Delay Announcement messages.	0s	4m	20m
Automated Attendant Delay Announcement Disconnect Time Selection	1-4-20	The time the Automated Attendant rings the stations before disconnecting the caller.	0s	30s	20m
SMDR Valid Call Time Assignment	1-5-25	The Minimum call time of an outside call before the system provides an SMDR report (Set from 0~99 seconds in 10-second increments).	000s	040s	099s (10-second increments)
Doorphone Display Time Selection	1-7-01	The time a doorphone call signals a station before it times out.	10s	10s	90s
External Paging Timeout Selection	1-7-06	The time (minutes) before an external paging is automatically disconnected.	0.5	5.0	∞
External Speaker Chime Start Time Selection	1-7-09	The delay time (milliseconds) between when an external paging code is dialed and when the paging alert tone is provided.	000	700	1500
PBR Interdigit Release Time Selection	1-8-10	The interdigit release time for the PBR.	3s	7s	10s
System Refresh Time Assignment	1-8-11	The system refresh time during idle periods.	NON	4H	24H
VRS Message Recording Time Selection	1-8-12	The recording time and number of messages for each VRS channel.	15s x16	15s x16	120s x2

Table 1-4 Function Time Chart (Continued)

Time	Memory Block	Definition	Value		
			Minimum	Default	Maximum
ACD Hunt Time	1-8-40	The time for hunting among ACD/ UCD agents that do not answer a call.	10s	10s	∞
ACD/UCD Overflow Time Selection	1-12-02	The maximum time (seconds) a waiting ACD/UCD call remains at an ACD/UCD group before overflowing to a specified Station or Station Hunt group.	10	60	∞
Trunk DTMF Duration/Interdigit Selection	3-15	The tone duration/interdigit time (milliseconds) of DTMF signals.	60/70	110/80	810/190
Tie Line Prepause Time Selection	3-16	The prepause time (seconds) when the originating side can send dial pulse or DTMF to a distant system.	0	0	13.0
Tie Line Answer Detect Time Selection	3-17	The time (milliseconds) between when the receiving system answers and the time when it is recognized as an answer.	0	520	1950
Tie Line Release Detect Time Selection	3-18	The time (milliseconds) between when the circuit disconnection is detected on the Tie line on the distant system side and when it is recognized as Tie Line Release.	0	520	1950
Tie Line/CO/PBX Incoming Signal Detect Time Selection	3-19	The time (milliseconds) between when an incoming signal is detected from another Electra Elite system and the acknowledgment signal is sent (Expressed as Wink Start/Delay/COI).	0/0/50 00 (LK 1)	390/90/200 03 (LK 4)	1950/450/ 800 15 (LK 8)
Tie Line Loop Off-Guard Time Selection	3-20	Off-guard time (seconds) to prevent noise that may cause the system to be unable to answer an incoming Tie line.	0.0	2.0	13.0
Tie Line Length of Wink Signal Selection	3-21	The time (milliseconds) of a Wink pulse that is sent to another Electra Elite system.	30	180	480
Tie Line Length of Delay Signal Selection	3-22	The time (milliseconds) a delay pulse is sent to another system.	0	300	4500
Tie Line Incoming Interdigit Timeout Selection	3-24	The maximum time an address signal is missing during incoming call detection before an error tone is returned to the other system.	1s	6s	∞

Table 1-4 Function Time Chart (Continued)

Time	Memory Block	Definition	Value		
			Minimum	Default	Maximum
Tie Line Wink/Delay Signal Detect Timeout Selection	3-25	The maximum time for receiving an acknowledgment signal from a distant system before sending a busy tone.	1s	7s	∞
Disconnect Recognition Time Selection	3-33	The minimum time (seconds) before a disconnected circuit can be accessed again.	0	0.3	1.5
Automatic Release Signal Detection Selection	3-40	The Signal detection time (milliseconds) for CO/PBX line release after a disconnect signal is received from the distant CO or PBX.	0	350	∞
DIT/ANA Delay Answer Time Selection	3-61	The time an incoming CO/PBX call rings before changing to a DIT/ANA call.	0s	0s	60s

SECTION 6 CODE RESTRICTION

6.1 General

The Electra Elite 48/192 system provides an advanced method of restricting outgoing calls based on the first eight digits dialed. Code Restriction denies placement of outside calls based on Trunk groups and accommodates equal access to other common carriers (OCC). This eliminates unauthorized calls and configures system calling functions to provide cost control.

System Programming has 16 Code Restrictions Classes. Class 00 is fixed and allows free dialing. Class 15 is fixed and denies all outside calls. Classes 01~14 are programmable in system software. Stations are assigned per station to a Code Restriction Class. A separate Day Mode and Night Mode station to Code Restriction Class assignment is available.

6.2 Default Assignments

All stations are assigned to Code Restriction Class 00 for both Day and Night Mode to allow free dialing.

Code Restriction Classes are set up with the following restrictions to provide the most common Code Restriction requirements and simplify Code Restriction programming.

Class 01: Deny: 0 and 1 + calls Class 02: Deny: 0 and 1 + calls Allow:1-800, 888, 877 calls Class 03: Deny: 0, 1 +, and 976 calls Allow:1-800, 888, 877 calls Class 04: Deny: 1 + calls Allow:1-800, 888, 877 calls Class 05~14: Allow: 911 calls only

All OCC calls are denied for Code Restriction Classes 01~14.

System Speed Dial buffers override Code Restriction Classes 01~14.

Code Restriction is not applied to Tie lines.

When Station Lockout is set at a station, the station is outgoing restricted.

Digit Restriction is not assigned.

Refer to Section 6.5 Code Restriction Tables (Default Values).

6.3 Memory Blocks

The following related Memory Blocks are used when assigning Code Restriction.

Title	Memory Block
Trunk to Tenant Assignment	2-01
Trunk-to-Trunk Group Assignment	3-03
Trunk Type Selection	3-91
PBX/CTX Access Code Assignment I	1-1-24
PBX/CTX Access Code Assignment II	1-1-25
OCC Table Assignment	1-1-67
OCC Table to Trunk Group Assignment	5-03
8-Digit Matching Table to OCC Table Assignment	1-1-68
8-Digit Matching Table to Normal Dial Assignment	1-1-66
8-Digit Matching Table to Trunk Group Assignment	5-02
8-Digit Matching Table Assignment	1-1-60
8-Digit Matching Table to Class Assignment	1-1-61
Code Restriction Class Allow/Deny Assignment	1-1-65
System Speed Dial Restriction by Tenant	1-1-18
System Speed Dial Override by Class Selection	1-1-62
Tie Line Code Restriction Assignment	1-1-69
Code Restriction Class Assignment When Lockout is Se	t1-1-70
CO Feature Codes Service for Code Restriction	1-1-82
Trunk Digit Restriction	4-32
Code Restriction Class Assignment (Day Mode)	4-07
Code Restriction Class Assignment (Night Mode)	4-08
Telephone to Tenant Assignment	4-09
Station To Class of Service Feature Assignment	4-17

6.4 Memory Block Description

6.4.1 General

This section describes the function of the Memory Blocks directly related to Code Restriction. Some Memory Blocks from the previous list are not described here but are included because of their effect on Code Restriction (e.g., Trunk to Tenant Assignment). Code Restriction is based on Trunk group and consideration should be given to this Memory Block because stations are assigned to a tenant, and trunks are assigned to a Trunk group.

6.4.2 OCC Assignment/Operation

OCC Table Assignment (Memory Block 1-1-67)

This Memory Block allows an OCC Access Code (maximum of eight digits) to be assigned. System Programming has 16 OCC Tables (01~16). Each table can have one OCC Access Code assigned.

OCC Table to Trunk Group Assignment (Memory Block 5-03)

This Memory Block assigns Trunk groups to the OCC Tables. Any combination of Trunk groups can be assigned to the OCC Tables.

8-Digit Matching Table to OCC Table Assignment (Memory Block 1-1-68)

This Memory Block assigns the 8-Digit Matching Table to the OCC Tables. Any combination of 8-Digit Matching Tables can be assigned to the OCCTables.

OCC Operation

When a restricted station user dials an OCC Access Code, the system searches the OCC Tables for a match. When no match is found, the user is allowed free dialing. When a match is found, the system monitors the eight digits dialed and searches the 8-Digit Matching Tables assigned to the OCC Table. The system searches only the 8-Digit Matching Tables assigned to the Code Restriction Class the station is assigned to and has the Trunk group assigned to it for the in-use trunk the station is on. When the interdigit time of the dialing party exceeds 10 seconds while the station user is dialing on an outside line, and the system is searching the assigned tables, the system automatically drops the call.

6.4.3 8-Digit Matching Table Assignment/Operation

8-Digit Matching Table to Normal Dial Assignment (Memory Block 1-1-66)

This Memory Block assigns the 8-Digit Matching Table to be Used or Unused for non-OCC calls. When an 8-Digit Matching Table is assigned as Unused, the table is used only for OCC calls. There are 16, 8-Digit Matching Tables (00~15) in System Programming. Each table is independently assigned to be Used or Unused.

8-Digit Matching Table to Trunk Group Assignment (Memory Block 5-02)

This Memory Block assigns Trunk groups to the 8-Digit Matching Tables. Any combination of Trunk groups can be assigned to the 8-Digit Matching Tables.

8-Digit Matching Table Assignment (Memory Block 1-1-60)

This Memory Block assigns the 8-Digit Matching Tables. Each 8-Digit Matching Table can have 16, 8-digit entries. To cover the many possible combinations (without listing each individual number), code restriction letters can be used in place of digits. The code restriction letters used and their numerical values are as follows:

X = 0~9, *, and #

P = 0 and 1

 $N = 2 \sim 9$

When 1X is entered in a table, and the table is assigned as a deny table in the 8-Digit Matching Table to Class Assignment, any 1 + any digit call is denied When the table is used. Using X, P, and N accommodates several combinations with just one entry.

The Trunk Access Code should not be placed in the 8-Digit Matching Table. Code Restriction starts after a trunk is seized.

8-Digit Matching Table to Class Assignment (Memory Block 1-1-61)

This Memory Block assigns the 8-Digit Matching Tables to the Code Restriction Classes. The 8-Digit Matching Tables are also assigned as Allow/Deny Tables in this Memory Block.

Any combination of 8-Digit MatchingTables (Allow, Deny, or Not Used) can be assigned to Code Restriction Classes 01~14. Classes 00 and 15 are fixed and are nonprogrammable.

Code Restriction Class Allow/Deny Selection (Memory Block 1-1-65)

This Memory Block assigns the Code Restriction Classes (01~14) as Allow or Deny. This assignment is used when there is no match or when there is an overlap (duplicate numbers in tables with opposite Allow/Deny assignments) of numbers in the 8-Digit Matching Tables.

8-Digit Matching Table Operations

The 8-Digit Matching Tables are used to restrict specific or all OCC calls and non-OCC calls. To understand the relationship of the 8-Digit Matching Tables with OCC calls, refer to Section 6.4.2 - OCC Assignment/Operation.

When a restricted station user makes a non-OCC call, the system monitors the first eight digits dialed and searches the 8-Digit Matching Tales assigned for Used in Memory Block 1-1-66 (8-Digit Matching Table to Normal Dial Assignment). The system searches only the 8-Digit Matching Tables assigned to the Code Restriction Class the station is assigned to and has the Trunk group assigned to it for the in-use trunk the station is on.

When a match is found, the system looks at the 8-Digit Matching Table to Class Assignment for the Allow or Deny Assignment. When the table is assigned as Allow, the call is allowed. When the table is assigned as Deny, the call is denied.

When a match is not found or a duplicate match is made with opposite Allow/Deny Assignments, the system looks at the class Allow/Deny Assignment. When the class is assigned as Allow, the call is allowed. When the Class is assigned as Deny, the call is denied. When the interdigit time of the dialing party exceeds 10 seconds while the station user is dialing on an outside line, and the system is searching the assigned tables, the system automatically drops the call.

6.4.4 System Speed Dial Override by Class Selection (Memory Block 1-1-62)

This Memory Block allows System Speed Dial buffers to override or not override Code Restriction. Each Code Restriction Class (01~14) is assigned as Allow or Deny.

6.4.5 Tie Line Code Restriction Assignment (Memory Block 1-1-69)

This Memory Block assigns system-wide Code Restriction to be used or not used for calls made on a Tie line.

6.4.6 Code Restriction Class Assignment when Lockout is Set (Memory Block 1-1-70)

This Memory Block assigns the Code Restriction Class to be used when Station Lockout (Outgoing) is set at a station. Station Lockout can be set by the Attendant or from any station when allowed in System Programming.

6.4.7 CO Feature Code Service For Code Restriction (Memory Block 1-1-82)

This Memory Block assigns feature codes per system. A station user can dial these codes as the leading digits of a telephone number. The Electra Elite ignores these digits and applies code restriction to the remaining digits. The codes are sent to the CO as the leading digits on permitted code restriction calls.

6.4.8 Trunk Digit Restriction Assignment (Memory Block 4-32)

This Memory Block specifies, per station, the maximum

6.4.9 Code Restriction Class Assignment (Day Mode) (Memory Block 4-07)

This Memory Block specifies, per station, the Code Restriction Class used when the system or a station that is assigned to a tenant is in the Day Mode.

number of digits that can be dialed from any outside line.

6.4.10 Code Restriction Class Assignment (Night Mode) (Memory Block 4-08)

This Memory Block specifies, per station, the Code Restriction Class used when the system or a station that is assigned to a tenant is in the Night Mode.

6.5 Code Restriction Tables (Default Values)

6.5.1 OCC Tables with Default Values

The following Memory Blocks are displayed:

OCC Table Assignment (1-1-67)

OCC Table to Trunk Group Assignment (5-03)

8-Digit Matching Table to OCC Table Assignment (1-1-68)

	Table 01	Table 02	Table 03	Table 04
Memory Block (1-1-67)				
Memory Block (5-03)	Trunk Group 01~32	Trunk Group 01~32	Trunk Group 01~32	Trunk Group 01~32
Memory Block (1-1-68)				
		Table 06	Table 07	Table 08
Memory Block (1-1-67)	Table 05	Trunk Group 01~32	Trunk Group 01~32	Trunk Group 01~32
Memory Block (5-03)	Trunk Group 01~32			
Memory Block (1-1-68)				
		Table 10	Table 11	Table 12
Memory Block (1-1-67) Memory Block (5-03) Memory Block (1-1-68)	Table 09 Trunk Group 01~32	Trunk Group 01~32	Trunk Group 01~32	Trunk Group 01~32
Memory Block (1-1-00)				
		Table 14	Table 15	Table 16
Memory Block (1-1-67) Memory Block (5-03)	Table 13 Trunk Group 01~32	Trunk Group 01~32	Trunk Group 01~32	1 0 1 0 X X X Trunk Group 0~32
Memory Block (1-1-68)				
WIGHIOLY DIOCK (1-1-00)				

6.5.2 8-Digit Matching Tables with Default Values

The following Memory Blocks are displayed:

8-Digit Matching Table to Normal Dial Assignment (1-1-66)

8-Digit Matching Table to Trunk Group Assignment (5-02)

8-Digit Matching Table Assignment (1-1-60)

The following designations are used in these tables:

Table 00 Table 01 Table 02 Table 03 Use Table Use Table Use Table Use Table Memory Block (1-1-66) Trunk Group 01~32 Trunk Group 01~32 Trunk Group 01~32 Trunk Group 01~32 Memory Block (5-02) 9 1 1 Memory Block (1-1-60)

Note: $X = -\sim 9, *, #$

P = 0,1

 $N = 2 \sim 9$

8-Digit Matching Table to Normal Dial Assignment (1-1-66)

8-Digit Matching Table to Trunk Group Assignment (5-02)

8-Digit Matching Table Assignment (1-1-60)

	Table 04			Tab	Table 05 Table 06					Table 07									
Memory Block (1-1-66)	Use Table			Use Table				Use Table			Use Table								
Memory Block (5-02)	Trun	k Gro	oup ()1~32	Tru	Trunk Group 01~32				Trunk Group 01~32)1~32	Trunk Group 01~32			32		
Memory Block (1-1-60)	00				00						00				00				
	01				01						01				01				
	02				02						02				02				
	03				03						03				03				
	04				04						04				04				
	05				05						05				05				
	06				06						06				06				
	07				07					i	07				07				
	08				80						08				80				
	09				09						09				09				
	10				10						10				10				
	11				11						11				11				
	12				12						12				12				
	13				13						13				13				
	14				14						14				14				
	15				15						15				15				

Note: X = --9, *, # P = 0,1N = 2-9

8-Digit Matching Table to Normal Dial Assignment (1-1-66)

8-Digit Matching Table to Trunk Group Assignment (5-02)

8-Digit Matching Table Assignment (1-1-60)

	Table 08				Tabl	e 09)			Table 10 Table 11									
	Use ⁻	Use Table			Use Table			Use Table			Use Table			Ī					
Memory Block (1-1-66)																			
	Trunl	k Gr	oup	01~3	2	Trun	k G	roup	01~	-32	Trunk	Gro	oup (1~32	Trunl	Gro	up 0	1~32	
Memory Block (5-02)																			
Memory Block (1-1-60)	00				00					00				00 0					
	01					01					01				01				
	02					02					02				02				
	03					03					03				03				
	04					04					04				04				
	05					05					05				05				
	06					06					06				06				
	07					07					07				07				1
	08					08					08				08				
	09					09					09				09				
	10					10					10				10				
	11					11					11				11				
	12					12					12				12				
	13					13					13				13				
	14					14					14				14				1
	15					15					15				15				

Note: $X = 0 \sim 9, *, #$

P = 0,1

 $N = 2 \sim 9$

8-Digit Matching Table to Normal Dial Assignment (1-1-66)

8-Digit Matching Table to Trunk Group Assignment (5-02)

8-Digit Matching Table Assignment (1-1-60)

Table 12 Table 13 Table 14 Table 15 Use Table Use Table Use Table **Unused Table** Memory Block (1-1-66) Trunk Group 01~32 Trunk Group 01~32 Trunk Group 01~32 Trunk Group 01~32 Memory Block (5-02) 00 9 7 6 00 1 8 0 0 1 X Memory Block (1-1-60)

Note: $X = 0 \sim 9, *, #$

P = 0.1 $N = 2 \sim 9$

8-Digit Matching Tables with Default ValuesThe following designations are used in this table:8-Digit Matching Table to Class Assignment (1-1-61)Class Allow/Deny Selection (1-1-65)

8-Digit Matching Table Class Allow/Deny 05 00 01 02 03 04 06 07 80 09 10 12 11 13 14 15 **Assignment** Class 01 Α D D D Allow D Α D D Allow Class 02 Α Class 03 Α D D Α D D Allow Class 04 Α Α D D Allow Class 05 Deny Class 06 Deny Class 07 Α Deny Class 08 Α Deny Class 09 Α Deny Class 10 Α Deny Class 11 Α Deny Deny Class 12 Α Class 13 Α Deny Class 14 Deny

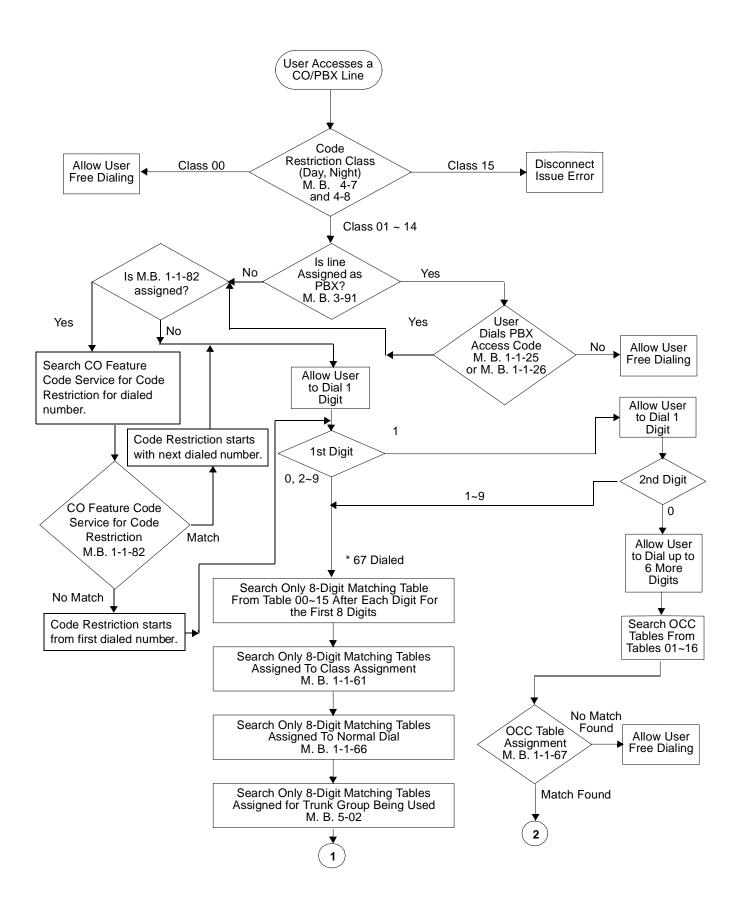
8-Digit Matching Table to Class Assignment

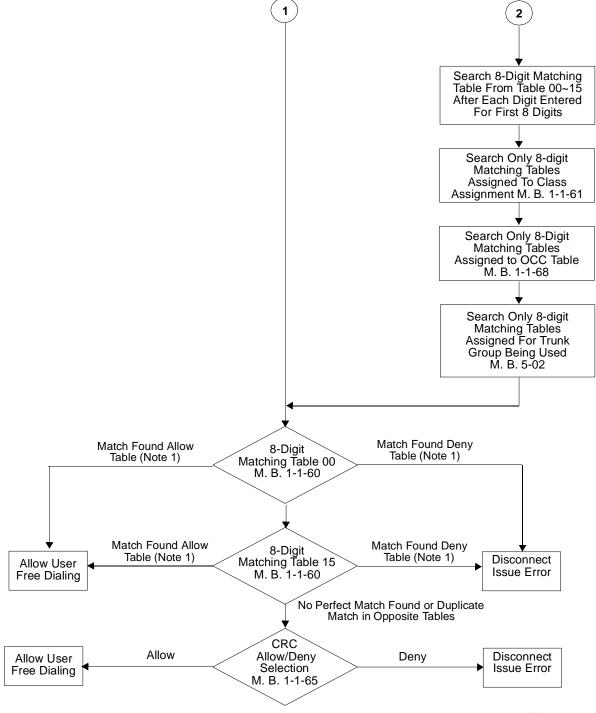
Note: A = Allow D = Deny

Blank = Not used

6.6 Code Restriction Algorithm

The following chart identifies how the system checks for and processes Code Restriction assignments.





Note 1: Tables are assigned as Allow or Deny in the 8-Digit Matching Table to Class Assignment (Memory Block 1-1-61).

Note 2: When the interdigit time duration of the dialing party exceeds 10 seconds while the Code Restriction Tables are being searched, the system automatically drops the call.

SECTION 7 AUTOMATIC ROUTE SELECTION

7.1 General

Route Selection is automatically directed by user-specified conditions.

Four Least Cost Routing (LCR) tables are provided for userspecified data that can be used to select a single route.

User can delete digits from or add digits to a user specified dialing number to use ARS to originate the call with LCR.

System Software S4000, or higher is required.

7.2 Memory Blocks

The following related Memory Blocks are used when assigning ARS.

Title	Memory Block
Access Code (1-Digit) Assignment	1-1-46
Class of Service (Station) Feature Selection 2	1-8-08
ARS Allow/Deny Selection	1-14-00
ARS Dialing Assignment	1-14-01
ARS Dial Allow/Deny Selection	1-14-02
ARS Route Table Number Assignment	1-14-03
ARS Trunk Group to Route Number Assignment	1-14-04
ARS Digit Delete Assignment	1-14-05
ARS Digit Add Assignment	1-14-06
Trunk-to-Trunk Group Assignment	3-03
Trunk Type Selection	3-91
LCR Class Selection	4-40

7.3 Memory Block Description

7.3.1 Access Code (1-Digit) Assignment (Memory Block 1-1-46)

Use this Memory Block to assign Trunk Group Access code for LCR.

Default: Dial 9 Function number 101.

7.3.2 Class of Service (Station) Feature Selection 2 (Memory Block 1-8-08)

Use this Memory Block to allow/deny LCR Bypass (Page 3, LK4) for Trunk Groups 02~32).

Default: Deny.

Use this Memory Block to allow/deny ARS Overflow (Page 6, LK1) to trunk group 01 when programmed route is busy.

Default: Deny.

7.3.3 ARS Allow/Deny Selection (Memory Block 1-14-00)

Use this Memory Block to specify whether or not to Allow ARS to function system wide.

Default: NO.

7.3.4 ARS Dialing Assignment (Memory Block 1-14-01)

Use this Memory Block to assign a dialing plan to one of four LCR tables. A maximum of 128 (up to 8 digits) dialing combinations are possible for each table.

Default: Not Assigned.

7.3.5 ARS Dial Allow/Deny Selection (Memory Block 1-14-02)

Use this Memory Block to specify whether or not to Allow digits that are entered in the ARS dialing assignment to be routed using the ARS feature.

Default: YES.

7.3.6 ARS Route Table Number Assignment (Memory Block 1-14-03)

Use this Memory Block to assign each ARS Dialing Assignment to an ARS Route Assignment (01~32).

Default: 00 (Not used).

7.3.7 ARS Trunk Group to Route Number Assignment (Memory Block 1-14-04)

Use this Memory Block to specify whether a Trunk Group (TKGP) or Route Advance Group (RAB) is used by each ARS route number.

Trunk Group 1 origination (NORMAL) is used in the USA. When the call is not originated by pressing the line key or by dialing an access code of Trunk Group 1, and the LCR Class assignment is 0, the call is originated as is.

Default: NORMAL.

7.3.8 ARS Digit Delete Assignment (Memory Block 1-14-05)

Use this Memory Block to specify number of digits (00~10) from the first digit that are deleted from the route assignment.

Default: 00 (None).

7.3.9 ARS Digit Add Assignment (Memory Block 1-14-06)

Use this Memory Block to specify a maximum of 10 digits to add to the route assignment.

Default: Not Assigned.

7.3.10 Trunk-to-Trunk Group Assignment (Memory Block 3-03)

Use this Memory Block to to assign a Trunk Group number to each CO/PBX line.

Default: CO/PBX lines 01~08 in Trunk group 1.

7.3.11 Trunk Type Selection (Memory Block 3-91)

Use this Memory Block to specify an external line as CO, PBX,TIE, DID or CTX.

Default: CO.

7.3.12 LCR Class Selection (Memory Block 4-40)

Use this Memory Block to specify the LCR/ARS(System Software S4000 or higher) class for each station. The class number is the number of the Area Code Table used. Stations cannot have multiple classes. Four area code tables are provided. The MIFM-U10 ETU with attached KMM(1.0)U must be installed to support this feature.

Default: Class 0 (No LCR).

7.4 ARS Operation Example

TEL100 dials 1-9727517645, seizes trunk 8, and sends 1010288 9727517645.

1. Program the following values, if necessary:

()	1-1-46	9 (Trunk Group 1)
©	1-8-08	Page 3, LK4 (Deny)
©	1-14-00	YS
©	1-14-01	1:1972751
©	1-14-02	YS
©	1-14-03	Table 1, Route 01
©	1-14-04	TKGP 04
©	1-14-05	01 Digit
©	1-14-06	1010288
€	3-03	Co lines 01, 02 to TKGP 1 Co lines 03, 04 to TKGP 2 Co lines 05, 06to TKGP 3 Co lines 07, 08 to TKGP 4
©	3-91	Assign trunks 01~08 for CO
©	4-40	TEL 100 assigned to class 1

2. Press Speaker.

Dial tone is heard.

Speaker key is on red, and the top display shows: $100 \rightarrow ($).

3. Dial (9)

LCR Dial tone is heard.

The top display shows: LCR

4. Dial (7) (9) (7) (2) (8) (8) (8) (8) (9) (8) (8) (8) (8) (9) (8) (9

No dial tone

The LCD top display shows: 197275

5. Dial 7 .

CO8 Line key is green

The LCD top display shows: 1972751

6. Dial (7) (6) (4) (5) .

Ringback Tone is heard

The LCD top display shows: 19727517645

- 7. When you go Off-hook to converse, speaker goes off, and display changes to call time and Clock/Calendar.
- 8. The system actually dialed 1010288 9727517645 on CO8 of Trunk Group 4 after the route was selected.

7.5 Service Conditions

 Built-in ARS provides a system with four tables to allow route selection, and a single route table to select a Trunk Group or Route Advance Block and provide digit control.

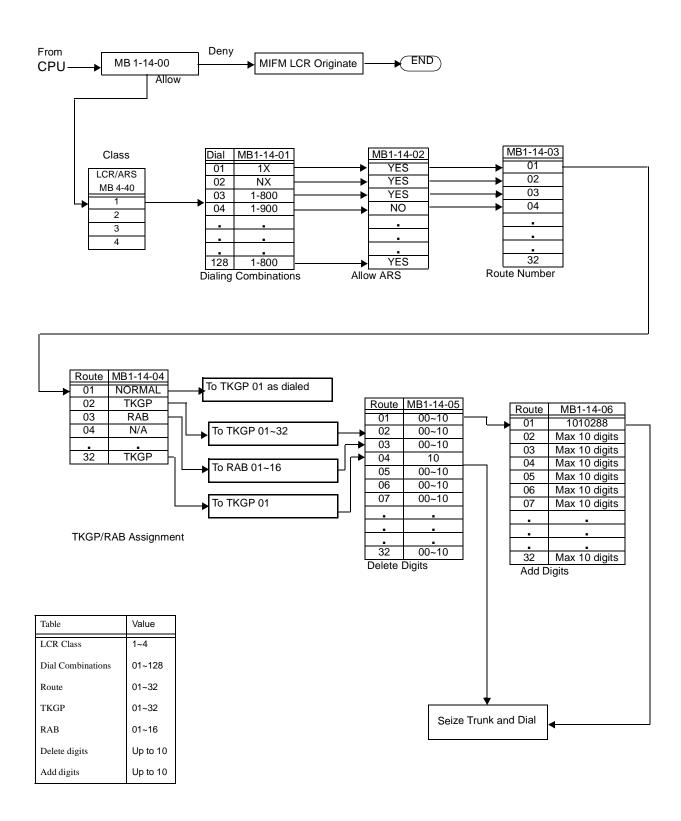


Figure 1-5 Automatic Route Selection (ARS) System Data Flow

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Table 1-5 Automatic Route Selection to Route Number Assignment

Table 1~4	Dialing Combination	Digits (Max. 8) Memory Block 1-14-01	Allow/Deny M.B. 1-14-02	Route Number M.B. 1-14-03 (01~32)
	01			
	02			
	03			
	04			
	05			
	06			
	07			
	08			
	09			
	10			
	11			
	12			
	13			
	14			
	15			
	16			
	17			
	18			
	19			
	20			
	21			
	22			
	23			
	24			
	25			
	26			
	27			
	28			
	29			
	30			
	31			

Table 1-5 Automatic Route Selection to Route Number Assignment

Table 1~4	Dialing Combination	Digits (Max. 8) Memory Block 1-14-01	Allow/Deny M.B. 1-14-02	Route Number M.B. 1-14-03 (01~32)
	32			
	33			
	34			
	35			
	36			
	37			
	38			
	39			
	40			
	41			
	42			
	43			
	44			
	45			
	46			
	47			
	48			
	49			
	50			
	51			
	52			
	53			
	54			
	55			
	56			
	57			
	58			
	59			
	60			
	61			
	62			
	63			

Table 1-5 Automatic Route Selection to Route Number Assignment

Table 1~4	Dialing Combination	Digits (Max. 8) Memory Block 1-14-01	Allow/Deny M.B. 1-14-02	Route Number M.B. 1-14-03 (01~32)
	64			
	65			
	66			
	67			
	68			
	69			
	70			
	71			
	72			
	73			
	74			
	75			
	76			
	77			
	78			
	79			
	80			
	81			
	82			
	83			
	84			
	85			
	86			
	87			
	88			
	89			
	90			
	91			
	92			
	93			
	94			
	95			

Table 1-5 Automatic Route Selection to Route Number Assignment

Table 1~4	Dialing Combination	Digits (Max. 8) Memory Block 1-14-01	Allow/Deny M.B. 1-14-02	Route Number M.B. 1-14-03 (01~32)
	96			
	97			
	98			
	99			
	100			
	101			
	102			
	103			
	104			
	105			
	106			
	107			
	108			
	109			
	110			
	111			
	112			
	113			
	114			
	115			
	116			
	117			
	118			
	119			
	120			
	121			
	122			
	123			
	124			
	125			
	126			
	127			

Table 1-5 Automatic Route Selection to Route Number Assignment

Table 1~4	Dialing Combination	Digits (Max. 8) Memory Block 1-14-01	Allow/Deny M.B. 1-14-02	Route Number M.B. 1-14-03 (01~32)
	128			

Table 1-6 Route Number to Trunk Group/RAB Selection and Digit Control

		•	
Route Number M.B. 1-14-03	NORMAL, TKGP (01~32), or RAB (01~16) M.B.1-14-04	Delete Digits (00~10) M.B. 1-14-05	Add Digits (10 Max.) M.B. 1-14-06
01			
02			
03			
04			
05			
06			
07			
08			
09			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

NORMAL. **Delete Digits** Route Number | TKGP (01~32), Add Digits (10 Max.) (00~10)M.B. 1-14-03 or RAB (01~16) M.B. 1-14-06 M.B. 1-14-05 M.B.1-14-04 26 27 28 29 30 31 32

Table 1-6 Route Number to Trunk Group/RAB Selection and Digit Control

- A single route is specified for each registered dialing number.
- When Memory Block 1-14-00 is set to allow, ARS functions even with the MIFM-U10 ETU installed, but LCR using the MIFM-U10 ETU is disabled.
- The MIFM-U10 ETU is required for charge display to function.
- The ARS dialing numbers are checked according to the following priorities:
 Complete table match

Allow/Deny in the order 0~9, *, # or P/N or X

Data sorted in the order 0~9, *, # or P/N or X.

- The program cannot detect 1+; it must be entered in the table.
- Numbers affected by code restriction using Memory Block 1-1-82 (CO Feature Code Service for Code Restriction.), need not be specified as 8-digit dialing numbers in the ARS table because they are automatically excluded from ARS.
- NORMAL origination in USA is Trunk Group 1.
- When a dialing number is not subjected to ARS, it is either originated according to the LCR bypass specification or busy.
- When ARS begins checking a received number, a 10-second timer is set. When timeout occurs, ARS ends and normal origination is performed.

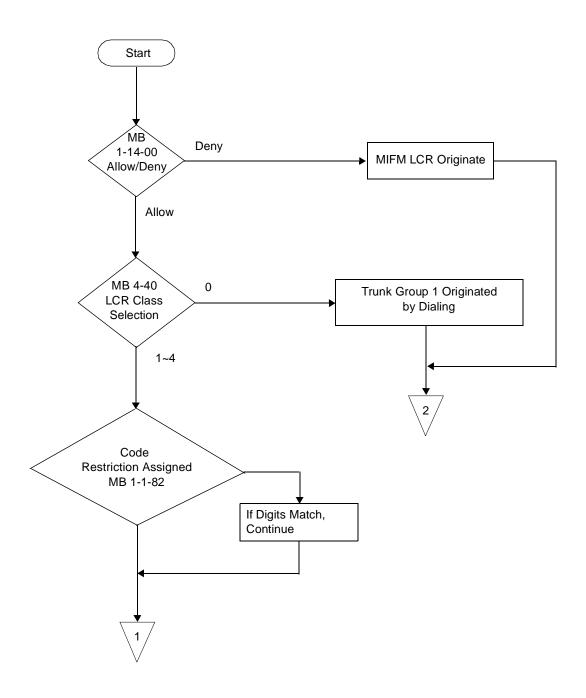
7.6 ARS Flowcharts

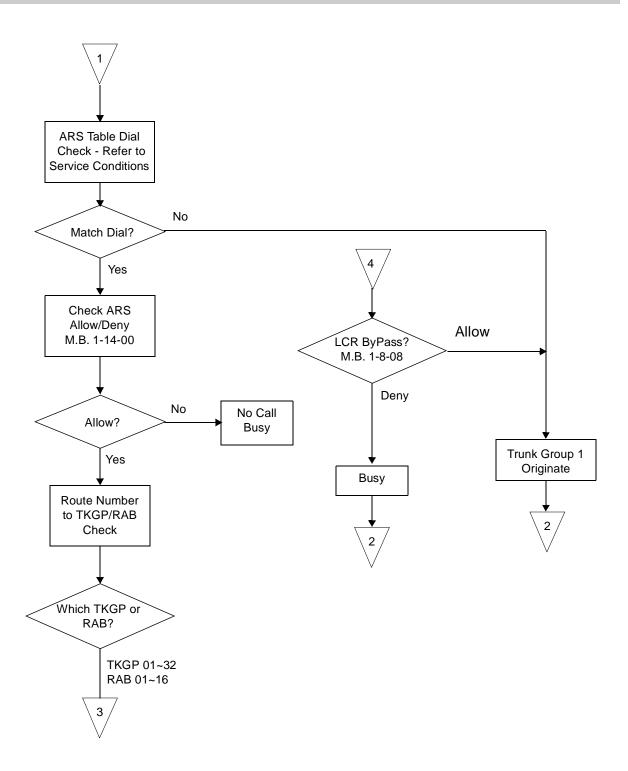
The flowcharts show how origination by Trunk Group 1 is determined.

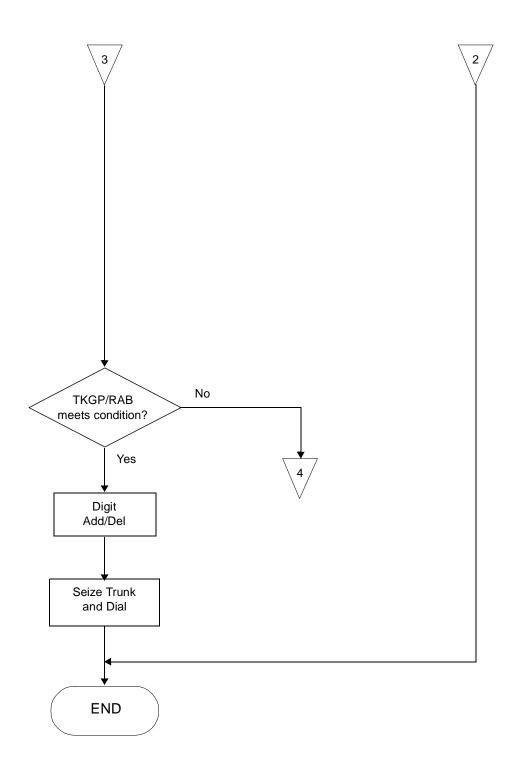
When the call is not originated by pressing a line key or dialing a Trunk Group 1 access code and the LCR Class is 0, the call is originated as is.

When LCR Class 1, 2, 3, or 4 is selected the call is originated according to bypass specifications in the class of service and becomes busy.

Automatic Route Selection Flowcharts







SECTION 8 ISDN-PRI CALL BY CALL

8.1 General

Call by Call Service allows multiple services to share a PRI line.

When a call is originated or terminated, an Information Element (IE) called the Network Specified Facility (NSF) is added to the SETUP message to identify the service associated with the call.

The number of Simulated Facility Groups (SFGs) that can be simultaneously used for each service must be restricted. The total number of SFGs must be less than the number of PRI channels. The SFGs are determined when contracting with the network. The network determines whether calls that exceed the restriction are rejected or diverted. For outgoing calls, the KTS counts the number of calls in progress per group, and rejects excess calls.

For Call by Call to operate, the number of B channels used for PRI must be specified using Memory Block 1-13-00 (PRT Channel Assignment), and Call by Call service must be assigned to each PRT using Memory Block 1-13-03 (Call by Call Service Selection).

System Software S4000, or higher is required.

8.2 Memory Blocks

The following related Memory Blocks are used when assigning Call by Call.

Title	Block
DID Digit Length Selection	1-1-20
DID Digit Conversion Assignment	1-1-21
DID Digit Conversion Table	1-1-22
DID Forward Station Number for Busy Station or Undefined Digit	1-1-23
Access Code (1~3 Digit) Assignment	1-1-46~48
Route Advance Block Assignment	1-1-30
ISDN DTMF Duration/Interdigit Selection	1-1-80
ISDN Dial Interval Time Selection	1-1-81

SLT or Automated Attendant/DISA to CPU PBR Sele	ction1-8-01
PBR Receive Level Assignment for Automated Attendant/DISA	1-8-02
Master Clock Selection	1-8-33
Trunk to Tenant Assignment	2-01
Line Key Selection	2-05
Line Key Selection for Tenant Mode	2-06
Trunk-to-Trunk Group Assignment	3-03
Trunk Incoming Answer Mode Selection	3-05
Automatic Release Signal Detection Selection	3-40
DIT Assignment	3-42
ANA Assignment	3-43
ISDN Trunk Directory Number Assignment	3-52
Caller Name Indication Selection	3-53
Trunk Type Selection	3-91
Trunk (Installed, DP/DTMF) Selection	3-92
CO/PBX Ring Assignment (Day Mode)	4-01
CO/PBX Ring Assignment (Night Mode)	4-02
Telephone to Tenant Assignment	4-09
Line key Selection for Telephone Mode	4-12
Station to Call Appearance Block Assignment	4-43
Multiline Terminal Type Selection	4-50
PRT Channel Assignment	1-13-00
Call by Call Service Selection	1-13-03
Call by Call Type of Number Assignment	1-10-02
Call by Call Numbering Plan ID Assignment	1-10-03
Call by call Type of Network ID Assignment	1-10-00
Call by Call ID Plan Assignment	1-10-01

	Call by	Call Network ID Assignment1-10-04
	Call by	Call Facility Coding Value Assignment (Service)1-10-05
	Call by	Call Facility Coding Value Assignment (Feature)1-10-06
	Call by	Call Service Parameter Assignment1-10-07
	Call by	Call Max Digit Assignment1-10-08
	Call by	Call Simulated Facility Group Assignment1-10-09
	Call by	Call Outgoing SFG Assignment1-10-20
	Call by	Call Outgoing/Incoming SFG Assignment1-10-21
	Call by	Call Incoming Type Selection1-10-22
8.3	Memor	y Block Description
	8.3.1	DID Digit Length Selection (Memory Block 1-1-20)
		Use this Memory Block to define the number of DID digits.
		Default: 3
	8.3.2	DID Digit Conversion Assignment (Memory Block 1-1-21)
		Use this Memory Block to enable the DID Digit Conversion table.
		Default: NO
	8.3.3	DID Digit Conversion Table (Memory Block 1-1-22)
		Use this Memory Block to assign DID numbers to ring at station numbers, closed number (plus outgoing digits), or tenant number.
		Default: Not Specified
	8.3.4	DID Forward Station Number for Busy Station or Undefined Digit (Memory Block 1-1-23)
		Use this Memory Block when the DID conversion Table is enabled to define where digits are routed when undefined or the station is busy.

Default: NON (Not Assigned)

> 8.3.5 Access Code (1-, 2-, or 3-Digit) Assignment (Memory Block 1-1-46~48)

> > Use this Memory Block to assign access codes or station numbers.

> > Function 080 [Outgoing (CO only) Access in same Tenant] default Not Specified, Function 101(Trunk Group 01) default is 9, and Function 201~216 (Route Advance Blocks 1~16) default is none specified.

8.3.6 Route Advance Block Assignmentt (Memory Block 1-1-30)

> Use this Memory Block to assign priority levels to each Trunk Group assigned in a Route Advance Block.

Default: All Blocks 00

8.3.7 ISDN DTMF Duration/Interdigit Selection (Memory Block 1-1-80)

> Use this Memory Block to specify tone duration and interdigit time of DTMF signals for ISDN trunks.

Default: 100/70 milliseconds

8.3.8 ISDN Dial Interval Time Selection (Memory Block 1-1-81)

> Use this Memory Block to specify time between digits dialed.

Default: 8s

8.3.9 SLT or Automated Attendant/DISA to CPU PBR Selection (Memory Block 1-8-01)

> Use this Memory Block to specify whether the PBR circuits in the CPU are for Single Line Telephones or Automated Attendant/DISA.

Default: SLT

8.3.10 PBR Receive Level Assignment for Automated Attendant/ DISA(Memory Block 1-8-02)

> Use this Memory Block to Specify the receiving level at the Automated Attendant /DISA.

Default: 03 (-36 dBm)

8.3.11 Master Clock Selection (Memory Block 1-8-33)

Use this Memory Block to assign the source for synchronization of the clocking for DTI-U10/20, PRT(1)-U10, or BRT(4)-U10 ETU.

Default: 0 (Not assigned)

8.3.12 Trunk to Tenant Assignment (Memory Block 2-01)

Use this Memory Block to assign CO/PBX lines to tenants.

Default: CO/PBX lines 01~64 are assigned

8.3.13 Line Key Selection (Memory Block 2-05)

Use this Memory Block to select Tenant mode or Telephone Mode line key assignment for each tenant.

Default: TEL

8.3.14 Line Key Selection for Tenant Mode (Memory Block 2-06)

Use this Memory Block to assign functions to each telephone line key for Tenant Mode.

Default: Tenant 00, Line keys 01~08 are assigned to CO/PBX. Tenants 01~47 are unassigned)

8.3.15 Trunk-to-Trunk Group Assignment (Memory Block 3-03)

Use this Memory Block to assign a Trunk Group number to each CO/PBX line.

Default: Lines 01~08 assigned to Trunk Group 01 Lines 09~64 assigned to Trunk Group 00 All Tie Lines assigned to Trunk Group 02 All DID lines assigned to Trunk Group 00

8.3.16 Trunk Incoming Answer Mode Selection (Memory Block 3-05)

Use this Memory Block to specify the incoming answer mode per outside line as NO ASSIGN (Normal), TANDM TRF (automatic trunk-to-trunk transfer), or AA (Automated Attendant/DISA).

Default: NO ASSIGN

> 8.3.17 Automatic Release Signal Detection Selection (Memory Block 3-40)

> > Use this Memory Block to specify signal detection time for release of a CO/PBX line after a disconnect signal is received from the Central Office or PBX.

Default: 350 (milliseconds)

8.3.18 DIT Assignment (Memory Block 3-42)

> Use this Memory Block to assign a Day Mode direct-trunk termination to an independent station.

Default: Blank (No Assignment)

8.3.19 ANA Assignment (Memory Block 3-43)

> Use this Memory Block to assign a Night Mode direct-trunk termination to an independent station.

Default: Blank (No Assignment)

ISDN Trunk Directory Number Assignment (Memory 8.3.20 Block 3-52)

Use this Memory Block to assign ISDN Directory Number.

Default: Blank (Not Specified)

8.3.21 Line Key Selection (Memory Block 3-53)

> Use this Memory Block to check the speed dialing buffer for a match when a Caller ID Number is detected. When a name is assigned to a matched number, it can be displayed when Line key 3 (NAM) is selected.

Default: NUM

8.3.22 Trunk Type Selection (Memory Block 3-91)

> Use this Memory Block to specify an external line as CO, PBX (or CTX), TIE, DID, or CTX (Assume 9).

Default: CO

Trunk (Installed, DP/DTMF) Selection (Memory Block 8.3.23 3-92)

> Use this Memory Block to specify an external line as NIL (Not connected), DP 10 pps, DP 20 pps, or MF (DTMF).

Default: MF

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8.3.24 CO/PBX Ring Assignment (Day Mode) (Memory Block 4-01)

Use this Memory Block to assign incoming CO/PBX calls to ring on Multiline Terminals in the Day mode.

Default: Lines 01~08 ring at telephone ports 01 and 02

8.3.25 CO/PBX Ring Assignment (Night Mode) (Memory Block 4-02)

Use this Memory Block to assign incoming CO/PBX calls to ring on Multiline Terminals in the Night mode.

Default: Lines 01~08 ring at telephone ports 01 and 02

8.3.26 Telephone to Tenant Assignment (Memory Block 4-09)

Use this Memory Block to specify Tenant assignment per station.

Default: All telephones assigned to Tenant 00

8.3.27 Line key Selection for Telephone Mode (Memory Block 4-12)

Use this Memory Block to assign functions to each CO/PBX line key on each tenant assigned to telephone mode.

Default: Line keys 01~08 are assigned as CO/PBX lines 01~08 for all telephones

8.3.28 Station to Call Appearance Block Assignment (Memory Block 4-43)

Use this Memory Block to assign a multiline Terminal to a Call Appearance Block.

Default: All stations are assigned to CAP Block 00

8.3.29 Multiline Terminal Type Selection (Memory Block 4-50

Use this memory Block to select the Multiline terminal Type.

Default: 16 Line Keys

8.3.30 PRT Channel Assignment (Memory Block 1-13-00)

Use this Memory Block to assign B channels for PRI.

Default: 24

8.3.31 Call by Call Service Selection (Memory Block 1-13-03)

Use this Memory Block to specify whether (YS) or not (NO) Call by Call is specified per PRT line.

Default: NO

8.3.32 Call by Call Type of Number Assignment (Memory Block 1-10-02)

Use this Memory Block to specify a TN for each Route Advance Block (RAB) as 0 (Unknown), 1 (International), 2 (National), 3 (Network Specific), or 4 (Subscriber or local).

Default: 0 for all RABs

8.3.33 Call by Call Numbering Plan ID Assignment (Memory Block 1-10-03)

Use this Memory Block to specify Numbering Plan ID (NPI) for each RAB as 00 (Unknown), 1 (ISDN/Telephony), 2 (Reserved), 3 (Data, in the future), or 9 (Private).

Default: 0 for all RABs

8.3.34 Call by call Type of Network ID Assignment (Memory Block 1-10-00)

Use this Memory Block to specify Type of Network ID (TNI) for each RAB as 0,1 (Reserved), 2 (National Network), 3~7 (Reserved).

The Network ID (Memory Block 1-10-04) must be assigned.

Default: 2 for all RABs

8.3.35 Call by Call ID Plan Assignment (Memory Block 1-10-01)

Use this Memory Block to specify Network ID Plan (NIP) for each RAB as 0 (Reserved), 1 (Interexchange Carrier), 2~15 (Reserved).

The Network ID (Memory Block 1-10-04) must be assigned.

Default: 1 for all RABs

8.3.36 Call by Call Network ID Assignmentt (Memory Block 1-10-04)

Use this Memory Block to specify Network ID (NID) for each RAB.

Default: All RABs are unspecified

8.3.37 Call by Call Facility Coding Value Assignment (Service) (Memory Block 1-10-05)

Use this Memory Block to specify Facility Coding Value (Service) for each RAB as specified by the Memory Block table.

Default: All blocks 00 (None)

8.3.38 Call by Call Facility Coding Value Assignment (Feature) (Memory Block 1-10-06)

Use this Memory Block to specify Facility Coding Value (Feature) for each RAB as specified by the Memory Block table.

Default: All blocks 00 (None)

8.3.39 Call by Call Service Parameter Assignment (Memory Block1-10-07)

Use this Memory Block to specify Call Service Parameter for each RAB as specified by the Memory Block table.

Default: All RABS 0-000

8.3.40 Call by Call Max Digit Assignment (Memory Block 1-10-08)

Use this Memory Block to specify Max Digit for each RAB.

Default: All RABs 00 (No Limit)

8.3.41 Call by Call Simulated Facility Group Assignment (Memory Block 1-10-09)

Use this Memory Block to specify a Simulated Facility Group (01~16) to control SFGs of each facility for each RAB.

Default: All RABs 00 (None)

SFGs for FX can be defined per FX Facility Group for incoming, outgoing, and Incoming/outgoing calls using an FX Facility Group.

SFGs for Tie Trunks can be defined per Tie Trunk Facility Group for incoming, outgoing, and Incoming/outgoing calls using a Tie Trunk Facility Group.

SFGs for OUTWATS can be defined for outgoing calls per individual OUTWATS service. For IntraLATA and banded OUTWATS, an SFG is assigned to each band. For InterLATA OUTWATS, an SFG is assigned to each IC.

SFGs for INWATS can be defined for incoming calls per INWATS called DN.

8.3.42 Call by Call Outgoing SFG Assignment (Memory Block 1-10-20)

Use this Memory Block to specify an outgoing SFG for each SFG specified by Memory Block 1-10-09.

Default: 99

8.3.43 Call by Call Outgoing/Incoming SFG Assignment (Memory Block 1-10-21)

Use this Memory Block to specify an Outgoing or Incoming SFG for each SFG specified by Memory Block 1-10-09. The incoming SFG is controlled by the network.

Default: 99

8.3.44 Call by Call Incoming Type Selection (Memory Block 1-10-22)

Use this Memory Block to specify an Incoming Call Type for each SFG specified by Memory Block 1-10-09 as either CO (Normal) or DID.

Default: DID

8.4 Call by Call (CBC) Programming (LCR PC Software V2.0 or Higher)

8.4.1 The International/Operator Table

This table has a page for each LCR Class (1~4) that contains fixed dialing patterns that can be assigned to that Class.

- Two routes can be assigned and arranged in priority. PRT should have higher priority.
- Trunk Group or Route Advance Blocks are specified in TG/RAB.

- Delete digits specifies the number of digits to delete from the first dial when using PRT.
- PreDigits controls whether digits that are specified in pre-digit tables are dialed before the International or Operator code.
- When TG/RAB is not assigned, outgoing calls cannot be made.

International or	Operator	Table	Example
------------------	----------	--------------	----------------

LCR Class 1~4	Dial	Priority	TG/RAB	Delete Digits	PreDigits Add/Not Add
	0-	1	RAB 09	1	Not Add
		2	None	None	Not Add
	00	1	RAB 10	2	Not Add
		2	None	None	Not Add
	010	1	RAB 11	3	Not Add
Class1		2	None	None	Not Add
Classi	011	1	RAB 12	3	Not Add
		2	None	None	Not Add
	01N	1	RAB 13	2	Not Add
		2	None	None	Not Add
	ON	1	RAB 14	1	Not Add
	(N = 2~9)	2	None	None	Not Add

8.4.2 The OCC Table

This Table has 16 pages (called Table 1~Table 16) that are required for each of the LCR Classes for a total of 64 tables with fixed dialing patterns.

- Dial means following the OCC dial.
- Two routes can be assigned and arranged in priority. PRT should have higher priority.
- Trunk Group or Route Advance Blocks are specified in TG/RAB.
- Delete digits specifies the number of digits to delete from the first dial when using PRT.
- PreDigits controls whether digits that are specified in pre-digit tables are dialed before the International or Operator code.

- When TG/RAB is not assigned, outgoing calls cannot be made.
- When an unassigned OCC number is dialed, route selection is bypassed.

OCC Table Example

Tables (64) 01~16 for each Class	OCC Dial	Dial	Priority	TG/RAB	Delete Digits	PreDigits Add/Not Add
		0-	1	RAB 15	8	Not Add
			2	None		Not Add
		00	1	RAB 16	9	Not Add
			2	None		Not Add
	101XXXX (X = 0~9)	011	1	RAB 3	10	Not Add
			2	None		Not Add
Table 1		0N	1	RAB 4	10	Not Add
Table 1	101 0288		2	None		Not Add
		1N	1	RAB 5	10	Not Add
		(N = 2~9)	2	None		Not Add
		NX	1	RAB 6	9	Not Add
		(X = 0~9)	2	None		Not Add
		#	1	RAB 7	8	Not Add
			2	None		Not Add

8.4.3 Operator Call Time Out Table Example

This table specifies a timeout (0~9 seconds) that is used to distinguish between 0 and 00 of an Operator Call.

The MIFM-U10 ETU refers to this table when the first digit dialed is 0 or when 0 follows the OCC Dial.

Operator Call Time Out Table

Operator Call Time Out	
4 sec	

8.5 Least Cost Routing (LCR) Programming

Refer to the Least Cost Routing Manual.

8.6 Operating Procedures Example

Ensure that the following items are assigned or registered:

Memory Block	Setting
7-1	\$1 MIFM \$2 ESI TEL01~08 \$4 PRT CO 01~24 \$7 COI CO 25~32
1-1-20	4 Digits
1-1-21	YS
1-1-22	DID number: 2000, Station number:100
1-1-30	Set all 16 RABs at 02 with number 1 priority
1-1-46	Set dial 9 to function 101 (Trunk Group 1)
1-1-81	4s
1-8-08	Page 3, LK4 [LCR Bypass (Trunk Groups 2~32)] to Allow Page4, LK1 (LCR Recall) to deny
1-13-03	PRT01 to YS
2-01	Co lines 01~23, 25~32 assigned to Tenant 00
3-03	Co lines 01~23 assigned to TKGP02 Co lines 25~32 assigned to TKGP03
3-91	Co lines 01~23 set to DID
3-92	Co line 24 set to NIL (Not installed)
4-12	TEL ports 01, 02 (Ext. 100,101), LK01~23, C (CAP)01~23
4-40	Set TEL ports 01, 02 (Ext. 100,101) to CLS 1

4-50	24 Line Keys	
1-10-20	Group 01 to 08 Group 02 to 05 Group 03 to 02 Group 04 to 02 Group 05 to 02 Group 06 to 01 Group 07 to 03	FX (Nortel) ACCUNET (AT&T) (Future)
	Group 08~16 to 9	•
1-10-21	Group 01 to 10 Group 02 to 05 Group 03 to 02 Group 04 to 03 Group 05 to 03 Group 06 to 01 Group 07 to 03 Group 08~16 to 9	FX (Nortel) ACCUNET (AT&T) (Future) OUTWATS (Nortel)
1-10-22	SFG05 to CO Other SFGs rema	in in DID
3-42	Set CO 01~23 to	TEL 101
3-43	CO 01~23 unassi	gned

Call by Call Memory Block Data Table (Example Only)

Refer to the following table entitled "Memory Block Data".

AT&T and Nortel are mixed in this example even though in reality this is impossible.

Memory Block Data

R A B	TN (02)	NPI (03)	TNI (00)	NIP (01)	NID (04)	FCVS (1-10-05)	FCVF (06)	SP (07)	MAX DIGIT (08)	SFG (09)			
暖	Values in () are the last two digits of Call by Call Memory Blocks (e.g. 1-10-0X).												
01	2	1	None	None	None	03 (AT&T)	00	0:000	11	01			
02	4	1	None	None	None	03 (AT&T)	00	0:000	10	01			
03	2	1	2	1	0288	03 (AT&T)	00	0:000	11	01			
04	2	1	None	None	None	02 (AT&T)	00	0:000	11	02			
05	2	1	None	None	None	16 (AT&T)	00	0:000	11	03			
06	0	0	None	None	None	04 Or 19 Nortel	00	001	11	04			
07	0	0	None	None	None	05 0r 20 Nortel	00	100	11	05			
08	1	1	2	1	3333	03 (AT&T)	00	0:000	0	01			
09	0	0	None	None	None	03 (AT&T)	05	0:000	1	N/A			

8.7 Dialing Examples

8.7.1 Dial 9 (Trunk access code) 1-212-752-5000

LCR search sequence: Area Code:212 \rightarrow Route Adv 01 \rightarrow Route 01 \rightarrow RAB 01 \rightarrow TG 02 \rightarrow CO 23.

Operation:

1. Go off-hook, and listen for ICM dial tone.

The Terminal LCD shows $100 \rightarrow$.

2. Dial the Trunk Access Code (2).

The KSU generates an LCR Dial Tone.

The Terminal LCD shows LCR.

3. Dial 🕚 .

Dial tone stops.

The Terminal LCD shows 1.

4. Dial (3c) (7) (2c) (7) (3c) (8c) (8c) .

CAP LEDs 00 and 01 light green.

The Terminal LCD shows 1212752.

5. Dial (5) (9) (9) (9) (9) (9) .

LEDs remain On.

Ring Back Tone is generated

The Terminal LCD shows 12127527000.

SETUP is sent to the Network.

SETUP Message

	CPN				NSF						
RAB	TN	NPI		TNI	NIP	NID	F/S FCV	Service FCV	Feature FCV	Service Parameter	
01	2(N)	1	212-752-5000	None	None	None	S	MEGACOM	None		

6. PRT is connected.

LEDs remain On.

Conversation starts.

- 7. The Terminal LCD displays the elapsed time for the call.
- 8.7.2 Dial 9 (Trunk access code) 214-222-5000

LCR search sequence: Area Code:214 \rightarrow Route Adv 02 \rightarrow Route 02 \rightarrow RAB 02 \rightarrow TG 02 \rightarrow CO 23.

Operation:

1. Go off-hook, and listen for ICM dial tone.

The Terminal LCD shows $100 \rightarrow$.

2. Dial the Trunk Access Code (2).

The KSU generates an LCR Dial Tone.

The Terminal LCD shows LCR.

3. Dial (2) (1) (4).

Dial tone stops.

The Terminal LCD shows 214.

CAP LEDs 00 and 01 light green.

SFG 1 counter increments by 1.

4. Dial (2) (2) (3) (9) (9) (9) (9) (9)

LEDs remain On.

Ring Back Tone is generated.

The Terminal LCD shows 2142227000.

SETUP is sent to the Network.

SETUP Message

		CPN			NSF					
RAB	TN	NPI		TNI	NIP	NID	F/S FCV	Service FCV	Feature FCV	Service Parameter
02	4(N)	1	214-222-5000	None	None	None	S	MEGACOM	None	

5. PRT is connected.

LEDs remain On.

Conversation starts.

6. The Terminal LCD displays the elapsed time for the call.

8.7.3 Dial 9-1-333-444-5000

LCR search sequence: Area Code:333 \rightarrow Route Adv 03 \rightarrow Route 03 \rightarrow RAB 03 \rightarrow TG 02 \rightarrow CO 23.

SETUP Message

		CPN			NSF					
RAB	TN	NPI		TNI	NIP	NID	F/S FCV	Service FCV	Feature FCV	Service Parameter
03	2(N)	1	333-444-5000	2	1	0288	S	MEGACOM	None	

8.7.4 Dial 9-1-800-777-5000

LCR search sequence: Area Code:800 \rightarrow Route Adv 04 \rightarrow Route 04 \rightarrow RAB 04 \rightarrow TG 02 \rightarrow CO 23.

SETUP Message

		CPN			NSF					
RAB	TN	NPI		TNI	NIP	NID	F/S FCV	Service FCV	Feature FCV	Service Parameter
04	2(N)	1	800-777-5000	None	None	None	S	MEGACOM 800	None	

8.7.5 Dial 9-1-913-381-6000

LCR search sequence: Area Code:800 \rightarrow Route Adv 04 \rightarrow Route 04 \rightarrow RAB 04 \rightarrow TG 02 \rightarrow CO 23.

SETUP Message

		CPN		NSF						
RAB	TN	NPI		TNI	NIP	NID	F/S FCV	Service FCV	Feature FCV	Service Parameter
05	2(N)	1	913-381-6000	None	None	None	S	MultiQuest	None	

8.7.6 Dial 9-011-81 (Country Code)1-471-82-1111

LCR search sequence: Dial 011 of International/Operator Table $1 \rightarrow RAB \ 08 \rightarrow TG \ 02 \rightarrow CO \ 23.$

SETUP Message

		CPN		NSF							
RAB	TN	NPI		TNI	NIP	NID	F/S FCV	Service FCV	Feature FCV	Service Parameter	
08	1(l)	1	81-471-82- 1111	2	1	3333	S	MEGACOM	None		

8.7.7 Outgoing Tie Line service – Detour to analog trunk when Simulated Facility Group (SFG) busy

LCR search sequence: LCR Dial \rightarrow Route Adv 01 \rightarrow Route 01 (first priority) \rightarrow RAB 01 \rightarrow SFG 01 \rightarrow Outgoing SFG=08 (overflow) \rightarrow Route 040 (2nd priority) \rightarrow TG 03 \rightarrow CO 32.

SETUP Message

		CPN		NSF						
RAB	TN	NPI		TNI	NIP	NID	F/S FCV	Service FCV	Feature FCV	Service Parameter
06	0(U)	0(U)	500-222-3333	None	None	None	S	Tie	None	001

8.7.8 Outgoing FX service – Dial 9-1 +500-222-3333

LCR search sequence: Area Code 555 \rightarrow Route Adv 07 \rightarrow Route 07 \rightarrow RAB 07 \rightarrow TG 02 \rightarrow CO 23.

SETUP Message

		CPN			NSF							
RAB	TN	NPI		TNI	NIP	NID	F/S FCV	Service FCV	Feature FCV	Service Parameter		
07	0(U)	0(U)	500-222-3333	None	None	None	S	FX	None	100		

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8.7.9 Local Operator Call – Dial 9 +0

LCR search sequence: Dial 0 of International/Operator Table $1 \rightarrow RAB \ 09 \rightarrow TG \ 02 \rightarrow CO \ 23$.

SETUP Message

		CPN						NSF		
RAB	TN	NPI		TNI	NIP	NID	F/S FCV	Service FCV	Feature FCV	Service Parameter
09	0(U)	0(U)	No Digits	None	None	None	S	MEGACOM	Operator (Local)	None

8.8 Service Conditions

- The Electra Elite supports the AT&T 5ESS-2000 switch, Software release 5E12 or later using the National ISDN PRI version only.
- Caller ID is displayed as with normal CO calls.
- C LCR is necessary for Call by Call origination.
- For an outgoing call to an external line, dialed digits are sent collectively when the specified ISDN interdigit dialing interval (MB 1-1-81, ISDN Dial Interval Time Selection, 4 sec default) from the last digit expires. When a digit is not dialed after seizure of the external line before the interdigit interval times out, the external line is released and a Busy Tone is generated.
- When Call forward Off-premise is assigned, MB 4-47 (ISDN Directory Number Selection) follows the specification at the TEL to which the call is forwarded.
- No tandem connection is allowed in Tie Trunk Mode.
- For PRI trunks, CO or DID type should be assigned using MB 3-91 (Trunk Type Selection).
- When PRT is used as an outgoing trunk on Automatic Trunkto-Trunk transfer, Caller ID follows the MB 3-52 (ISDN Trunk Directory Number selection) setting. When allowed, Caller ID is sent to the network.
- For an incoming call, the lowest numbered channel in the PRT trunk is used.
- Call by Call does not follow Tenant Day/Night Mode switching.

When bypassing LCR for CBC, press a line key assigned for RAB or Dial the RAB access code to access the RAB. Using LCR requires dialing 1+NXX+NXX+XXXX. Pressing the RAB line key requires dialing NXX+NXX+XXXX. The greater of the two should be registered in MB 1-10-08 (Call by Call Max Digit Assignment).

- LCR should be assigned to delete the 1. It should not be sent to the network.
- The system sends the number dialed to the network by the earliest occurrence of the following. Either the Max digits assigned by MB 1-10-08 (Call by Call Max Digit Assignment) are reached or the ISDN Dial Interval Time assigned by Memory Block 1-1-81 (ISDN Dial Interval Time Selection) expires.
- An incoming call is regarded as DID, but if called party information is not sent as for FX, it is regarded as a normal incoming call. Day/Night Ring, using Memory Block 4-01[CO/PBX Ring Assignment (Day Mode)]/Memory Block 4-02[CO/PBX Ring Assignment (Night Mode)], or DIT/ANA, using Memory Block 3-61 (DIT/ANA Delay Answer Time Selection), must be set for all COs.
- CBC parameters can be set to all assigned values. When an unused value is set, outgoing calls may not process properly.
- The Type of Network ID (TNI), Network ID Plan (NIP) and Network ID (NID) are mutually related. When NID is not registered, TNI, NIP, and NID are not sent. When NID is registered, the registered values for NIP and TNI are sent.
- Main Software controls the incoming SFG as follows:
 - 1. The Facility Coded Value (FCV), NID, and Service parameters are extracted from the NSF-IE.
 - 2. The RAB based CBC values are searched for a match.
 - 3. When a match is found, the assigned SFG value for the RAB is used.
 - 4. When a match is not found, software uses SFG value of 16.
 - 5. When an incoming call indication is received, and the call is processed, the counter for incoming calls is incremented by one.
- When an outgoing call is processed, the counter for incoming calls is incremented by one.

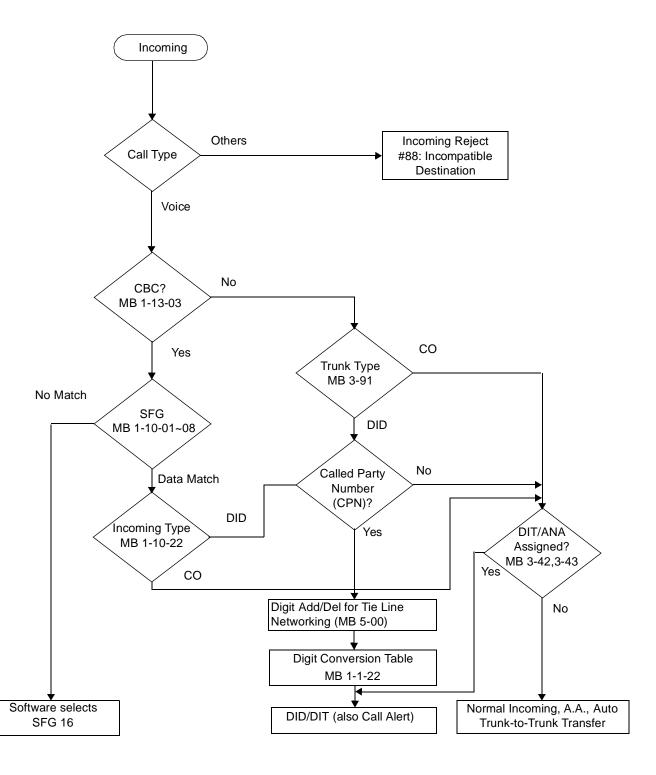
When the call is terminated before sending a SETUP message to the network, the outgoing call is canceled and the call counter is decreased by one.

- When incoming and outgoing calls are processed simultaneously the incoming call has priority. A collision error between simultaneous SETUP messages is generated, and the outgoing call gets a busy signal.
- The Incoming/outgoing (IC/OG) SFG must be equal to or greater than the outgoing (OG) SFG. When not, In many cases, the Electra Elite system does not accept an incoming call
- When Operator Call Time Out Table is set to 0 in LCR Programming, the operator call requiring more than 1 digit cannot be used. When 0 + any digits is stored in speed dial, the system sends the call as 0 Call (operator) only.

8.9 Call by Call (CBC) Termination Flowchart

The flowchart shows how CBC incoming Calls are terminated.

CBC Call Termination Flowchart



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SECTION 9 CHARACTER ASSIGNMENT

9.1 Character Code Tables

The character code tables are used when entering some functions provided with the Electra Elite system.

With Software Series S4000, or higher, characters can be entered using the dial pad instead of the Character Code Tables. Refer to 9.2 Dial Pad Character Assignment.

Codes 166~221 and 250~252 are used for Japanese characters only.

Character	Code
BLANK	032
!	033
II	034
#	035
\$	036
%	037
&	038
•	039
(040
)	041
*	042
+	043
,	044
_	045
_	046
/	047
0	048
1	049
2	050
3	051
4	052
5	053
6	054
7	055
8	056
9	057
:	058
;	059
<	060
=	061
>	062
?	063

Character	Code
@	064
А	065
В	066
С	067
D	068
E	069
F	070
G	071
Н	072
I	073
J	074
K	075
L	076
М	077
N	078
0	079
Р	080
Q	081
R	082
S	083
Т	084
U	085
V	086
W	087
Х	088
Υ	089
Z	090
[091
¥	092
]	093
^	094
	095

Character	Code
\	096
а	097
b	098
С	099
d	100
е	101
f	102
g	103
h	104
i	105
j	106
k	107
I	108
m	109
n	110
0	111
р	112
q	113
r	114
S	115
t	116
u	117
V	118
W	119
x	120
У	121
Z	122
{	123
I	124
}	125
Æ	126
	127

Blank 160 ・ 161 「 162 」 163 ・ 164 ・ 165 ヲ 166 ヲ 166 ア 167 イ 168 ウ 169 エ 170 オ 171 ヤ 172 ユ 173 ヨ 174 ツ 175 - 176 ア 177 イ 178 ウ 179 エ 180 オ 181 カ 182 キ 183 ク 184 ケ 185 コ 186 サ 187 シ 188 ス 189 セ 190	Character	Code
「「 162 」 163 」 164 . 165 ヲ 166 ア 167	Blank	160
」 163	۰	161
164 165 7 166 7 167 168 7 169 エ 170 オ 171 ヤ 172 ユ 173 ヨ 174 ツ 175 - 176 ア 177 イ 178 ヴ 179 エ 180 オ 181 カ 182 キ 183 プ 184 ケ 185 □ 186 サ 187 シ 188 ス 189 セ 190	١	162
. 165 ヲ 166 ア 167 1 168	J	163
7 166 ア 167 イ 168 フ 169 エ 170 オ 171 ヤ 172 ユ 173 ヨ 174 ツ 175 - 176 ア 177 イ 178 ウ 179 エ 180 オ 181 カ 182 キ 183 フ 184 ケ 185 □ 186 サ 187 シ 188 ス 189 セ 190		164
ア 167 1 168	•	165
1 168 ウ 169 エ 170 オ 171 ヤ 172 ユ 173 ヨ 174 ツ 175 - 176 ア 177 イ 178 ウ 179 エ 180 オ 181 カ 182 キ 183 ク 184 ケ 185 コ 186 サ 187 シ 188 ス 189 セ 190	Ŧ	166
プ 169 エ 170 オ 171 ヤ 172 ユ 173 ヨ 174 ツ 175 - 176 ア 177 イ 178 ウ 179 エ 180 オ 181 カ 182 キ 183 ク 184 ケ 185 コ 186 サ 187 シ 188 ス 189 セ 190	P	167
エ 170 オ 171 ヤ 172 ユ 173 ヨ 174 ツ 175 - 176 ア 177 イ 178 ウ 179 エ 180 オ 181 カ 182 キ 183 ク 184 ケ 185 □ 186 サ 187 シ 188 ス 189 セ 190	1	168
オ 171 ヤ 172 ユ 173 ヨ 174 ツ 175 - 176 ア 177 イ 178 ウ 179 エ 180 オ 181 カ 182 キ 183 ク 184 ケ 185 コ 186 サ 187 シ 188 ス 189 セ 190	לי	169
† 172 コ 173 ヨ 174 ツ 175 - 176 ア 177 イ 178 ウ 179 エ 180 オ 181 カ 182 キ 183 ク 184 ケ 185 コ 186 サ 187 シ 188 ス 189 セ 190	I	170
ユ 173 ヨ 174 ツ 175 - 176 ア 177 イ 178 ウ 179 エ 180 オ 181 カ 182 キ 183 ク 184 ケ 185 □ 186 サ 187 シ 188 ス 189	*	171
コ 174 ツ 175 - 176 ア 177 イ 178 ウ 179 エ 180 オ 181 カ 182 キ 183 ク 184 ケ 185 コ 186 サ 187 シ 188 ス 189 セ 190	4	172
ッ 175 - 176 ア 177 イ 178 ウ 179 エ 180 オ 181 カ 182 キ 183 ク 184 ケ 185 コ 186 サ 187 シ 188 ス 189 セ 190	ı	173
- 176 ア 177 イ 178 ウ 179 エ 180 オ 181 カ 182 キ 183 ク 184 ケ 185 コ 186 サ 187 シ 188 ス 189	я	174
ア 177 イ 178 ウ 179 エ 180 オ 181 カ 182 キ 183 ク 184 ケ 185 □ 186 サ 187 シ 188 ス 189 セ 190	'n	175
イ 178 ウ 179 エ 180 オ 181 カ 182 キ 183 ク 184 ケ 185 コ 186 サ 187 シ 188 ス 189 セ 190	•	176
イ 178 ウ 179 エ 180 オ 181 カ 182 キ 183 ク 184 ケ 185 コ 186 サ 187 シ 188 ス 189 セ 190	ア	177
ウ 179 エ 180 オ 181 カ 182 キ 183 ク 184 ケ 185 コ 186 サ 187 シ 188 ス 189	1	178
エ 180 オ 181 カ 182 キ 183 ク 184 ケ 185 コ 186 サ 187 シ 188 ス 189 セ 190	ウ	179
カ 182 キ 183 ク 184 ケ 185 □ 186 サ 187 シ 188 ス 189 セ 190	I	180
キ 183 ク 184 ケ 185 コ 186 サ 187 シ 188 ス 189 セ 190	オ	181
ク 184 ケ 185 コ 186 サ 187 シ 188 ス 189 セ 190	カ	182
ケ 185 コ 186 サ 187 シ 188 ス 189 セ 190	+	183
ケ 185 コ 186 サ 187 シ 188 ス 189 セ 190	ク	184
コ 186 サ 187 シ 188 ス 189 セ 190	ケ	185
シ 188 ス 189 セ 190		186
ス 189 セ 190	Ħ	187
t 190	シ	188
	ス	189
	t	190
ソ 191	ソ	191

	1
Character	Code
タ	192
Ŧ	193
ッ	194
テ	195
۲	196
ナ	197
=	198
ヌ	199
ネ	200
/	201
/\	202
٤	203
ヒフ	204
^	205
ホ	206
マ	207
ž	208
L	209
Ж	210
ŧ	211
ヤ	212
ュ	213
3	214
ラ	215
IJ	216
ル	217
7	218
0	219
ワ	220
ン	221
"	222
٠	223

Character	Code
α	224
;a	225
β	226
3	227
μ	228
σ	229
ρ	230
Я	231
√	232
- 1	233
j	234
×	235
¢	236
£	237
n.	238
O	239
ρ	240
q	241
θ	242
8	243
Ω	244
ü	245
Σ	246
п	247
x	248
ч	249
Ŧ	250
万	251
P	252
+	253
Blank	254
	255

9.2 Dial Pad Character Assignment

Refer to the applicable table and procedure example.

Table 1-7 System Data Input

Press	1	2	3	4	5	6	7	8	9	0	Redial
1 st	1	Α	D	G	J	M	Р	T	W	0	*
2 nd	@	В	E	Н	K	N	Q	U	Х	!	+
3 rd	[С	F	I	L	0	R	٧	Y	"	,
4 th	¥	а	d	g	j	m	S	t	Z	#	-
5 th]	b	е	h	k	n	р	u	w	\$	
6 th	^	С	f	i	I	0	q	v	х	%	1
7 th		2	3	4	5	6	r	8	у	&	:
8 th	1	То А	To D	To G	To J	То М	s	То Т	z	,	;
9 th	{						7		9	(<
10 th	I						То Р		To W)	=
11 th	}									То 0	>
12 th	→										?
13 th	+										To *
14 th	To 1										
*	Used to move cursor to left.										
#	Used to move cursor to right.										
Hold	Space (I	MB3-00)	Data C	lear (exce	pt MB3-0	0)					

9.2.1 Trunk name or Number Assignment Example

- Enter Program Mode.
 Display shows PROGRAM MODE.
- Press LK3.Display shows 01/_.
- Press LK2.Display still shows 01/_.

4. Press PPER .

Display shows 01/N_.

- Press (3) (3) (1)
 Display shows 01/NE_.
- 6. Press (2) (2) (8).

 Display shows 01/NEC_.
- Press Transfer .
 Display shows 01/02:OUT&IN.

Table 1-8 Speed Dial Name Input

Press	1	2	3	4	5	6	7	8	9	0	*	#
1 st	1	Α	D	G	J	М	Р	Т	W	0	*	Space
2 nd	@	В	E	Н	K	N	Q	U	Х	!	+	
3 rd]	С	F	I	L	0	R	٧	Y	"	,	
4 th	¥	а	d	g	j	m	S	t	Z	#	-	
5 th]	b	е	h	k	n	р	u	w	\$		
6 th	۸	С	f	i	I	0	q	v	х	%	1	
7 th		2	3	4	5	6	r	8	у	&	:	
8 th	1	То А	To D	To G	To J	То М	s	То Т	z	9	;	
9 th	{						7		9	(<	
10 th	I						То Р		To W)	=	
11 th	}									То 0	>	
12 th	→										?	
13 th	+										To *	
14 th	To 1											
Conf	Clear ar	nd 1 chara	cter back	from the	cursor.							

9.2.2 Enter Speed Dial Name

Press inactive Feature .
 Display is blank.

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2.	Press Redial . Display shows_:.
3.	Press (P) (PER) . Display shows 00:
4.	Press ② . Display shows 00:0:
5.	Press (1) (2) (3) (4) (5) Display shows 00:0:12345_
6.	Press Hold . Display shows 00=
7.	Press Display shows 00=N
8.	Press (3) (3). Display shows 00=NE
9.	Press ② ② . Display shows 00=NEC
10.	Press ② Display shows 00=NECA
11.	Press 6. Display shows 00=NECAM_
12.	Press Feature .

SECTION 10 DISPLAY ABBREVIATIONS

Abbreviations found in the display are defined in below.

Table 1-9 Abbreviations used in Multiline Terminal Displays

ADD/DEL	: Addition/Deletion	ESP	: External Speaker
AL	: All	FWDG	: Forwarding
ALM	: Alarm	FLSH	: Flash
ANS	: Answer	GUARD	: Outgoing Guard Time
ANSWR	: Answer	Н	: High
ASSGN	: Assignment	HR	: Hour
AUT	: Automatic	ICM	: Intercom (Extension)
AUTANS	: Autoanswer	IMDT	: Immediate
BLANK	: Service Class	IN	: Incoming
BNCE	: Bounce	INC	: Incoming Signal Detection Time Assignment
BTN	: Button	INDV	: Individual
CAL	: Call	INTRPT	: Interruption
CANCLD	: Canceled	L	: Low
CKT	: Circuit	LCD	: Liquid Crystal Display
CNF	: Confirmation	LN	: Line
CL	: Class	LOOP	: Loop Off-Guard Assignment
CLD	: CO Line Display	LNR/SPD	: Last Number/Speed Dial
CLR	: Clear	М	: Medium
CLS	: Class	MAN	: Manual
CONN	: Connection	MF	: Dual-Tone Multifrequency (DTMF)
DESG	: Designation	MIN	: Minimum
DGT	: Digit	МОН	: Music On Hold
DISP	: Display	MSTR	: Master
DISTM	: Disconnection Recognition Time	NUM	: Number
DIVERT	: Diversion	NT	: Night Mode
DLY	: Delay Signal Time	OUT	: Outgoing
DP	: Dial Pulse	OG TM	: Outgoing Time OUt Assignment
DSS	: Direct Station Selection	OV	: Over
		RNGTONE	: Ringing Tone

Memory Block Index

Index to Memory Blocks

LK 1 System Mode

LK1 CO Line

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Table 1-9 Abbreviations used in Multiline Terminal Displays (Continued)

PAD AT	: PAD Pattern A Transmission Assignment	RT	: Route
PAD AR	: PAD Pattern A Receiving Assignment	RT ADV	: Route Advance Block
PAD BT	: PAD Pattern B Transmission Assignment	RVS	: Reversal
PAD BR	: PAD Pattern B Receiving Assignment	SDT	: Second Dial Tone Assignment
PRE	: Prepause Time Selection	SEND	: Transmission
PBR	: Pushbutton Signal Receiver	SEL	: Selection
PBX	: Private Branch Exchange	SLT	: Single Line Telephone
PRNT	: Print	SPD	: Speed Dial
PTRN	: Pattern	ST	: Start
PV	: Tie Line	TEL	: Telephone
PVT	: Tie Line	TERM	: Terminating
PWRFAIL	: Power Failure	TMR	: Timer
RCV	: Receiving	TMD	: Timed
RCVR	: Receiver	TRNS	: Transfer
RES	: Restriction	TRK	: Trunk
RINGTONE	: Ringing Tone	TRK GP	: Trunk Group
RLY	: Relay	WDSD	: Wink/Delay Signal Detection Timeout

Chapter 2 Guide to Feature Programming

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Guide to Feature Programming

CHAPTER 2

SECTION 1
GENERAL
INFORMATION

This chapter provides a roadmap for programming the features for the Electra Elite 48/192 system. The Programming Guide Tables in this chapter, provide information helpful to the technician when programming the system.

SECTION 2 PROGRAMMING GUIDE TABLES

The tables in this section provide a quick reference when programming the Electra Elite 48/192 system. The tables are listed alphabetically by feature name. For each feature, information for accessing the programming blocks using PC Programming or Multiline Terminal programming is listed. The Keyboard Shortcut is used to access the Memory Blocks using PC Programming. The Memory Block Number is used to access the Memory Block using Multiline Terminal Programming.

All Memory Blocks associated with the feature are listed in the table. Some Memory Blocks *must* be programmed before a feature can be used. Other Memory Blocks are optional, but can affect how the feature operates. The Memory Blocks that must be programmed are indicated as follows:

* When the system is at default this Memory Block *must* be programmed for the feature to be used.

Account Code Entry

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTS	*Class of Service (Station) Feature Selection 2	1-8-08			3-6
Alt +BTT	*Station to Class of Service Feature Assignment	4-17			
Alt +BA	Access Code (1-, 2-, or 3-Digit) Assignment	1-1-46/47/48	041		
Alt +BS	Card Interface Slot Assignment	7-1			
Alt +BS	MIF (SMDR) Assignment	7-3-02			
Alt +BS	MIF (LCR) Assignment	7-3-01			
Alt +AS	★ Printer Connected Selection	1-5-13			
Alt +AS	Printer Line Feed Control Selection	1-5-14			
Alt +AS	SMDR Incoming/Outgoing Print Selection	1-5-26			
Alt +AS	SMDR Valid Call Time Assignment	1-5-25			
Alt +AS	SMDR Print Format	1-5-02			
Alt +AS	SMDR Telephone Print Selection	4-56			
Alt +CSS	Com Port Baud Rate Setting Assignment	1-8-35			
Alt +BM	Start Time Selection	1-1-05			

Account Code Forced Verified/Unverified

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BA	*Access Code (1-, 2-, or 3-Digit) Assignment	1-1-46/47/48	146,147		
Alt +BTS	Class of Service (Attendant) Feature Selection 1	1-8-07		2-8	
Alt +BTS	★ Class of Service (Station) Feature Selection 2	1-8-08			5-1, 6-3
Alt +BTT	*Station to Class of Service Feature Assignment	4-17			
Alt +BF	Forced Account Code Length Assignment	1-8-27			
Alt +BS	Card interface Slot Assignment	7-1			
Alt +BS	MIF (SMDR) Assignment	7-3-02			

Account Code Forced Verified/Unverified (continued)

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BS	MIF (LCR) Assignment	7-3-01			
Alt +AS	*Printer Connected Selection	1-5-13			
Alt + AS	Printer Line Feed Control Selection	1-5-14			
Alt + AS	SMDR Incoming/Outgoing Print selection	1-5-26			
Alt + AS	SMDR Valid Call Time Assignment	1-5-25			
Alt + AS	SMDR Print Format	1-5-02			
Alt +AS	SMDR Telephone Print Selection	4-56			
Alt +CSS	Com Port Baud Rate Setting Assignment	1-8-35			
Alt +BM	Start Time Selection	1-1-05			

Add-On Conference

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BN	Trunk to Tenant Assignment	2-01			
Alt +BCT	Trunk-to-Trunk Group Assignment	3-03			
Alt +BTT	CO/PBX Ring Assignment (Day Mode)	4-01			
Alt +BTT	CO/PBX Ring Assignment (Night Mode)	4-02			

All Call Page

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BA	Access Code (1-, 2-, or 3-Digit) Assignment	1-1-46/47/48	070~079, 081		
Alt +BTM	Internal Zone Paging Selection	4-93			

All Call Page

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTT	Receiving Internal/All Call Page Selection	4-31			
Alt +BP	Internal Paging Alert Tone Selection	1-2-25			
Alt +BP	Internal Paging Timeout Selection	1-2-00			
Alt +BP	External Speaker Connection Selection	1-7-02			
Alt +BP	External Paging Alert Tone Selection	1-7-03			
Alt +BP	External Speaker Pre-Tone/Chime Selection	1-7-08			
Alt +BP	External Speaker Chime Start time Selection	1-7-09			
Alt +BP	External Paging Timeout Selection	1-7-06			

Alphanumeric Display

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BCT	*Trunk Name/Number Assignment	3-00			
Alt +BTT	*Station Name Assignment	4-18			
Alt +BE	Speed Dial Number/Name Display Selection	1-1-33			
Alt +BI	Customized Message 1~10 Assignment	1-2-09~18			
Alt +BTM	Multilingual LCD Indication Selection	4-28			

Ancillary Device Connection

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTM	APR Ring Mode Assignment	4-39			
Alt +AU	APR/APA Hookflash Selection	4-59			
Alt +BTI	DTMF/DP SLT Type Selection	4-95			
Alt +BTI	SLT Hookflash Signal Selection	1-3-02			
Alt +BCM	Hookflash Time Selection	1-1-02			
Alt +BTI	SLT Hookflash Assignment	4-24			

Answer Hold

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTT	*CO/PBX Ring Assignment (Day Mode)	4-01			
Alt +BTT	★ CO/PBX Ring Assignment (Night Mode)	4-02			
Alt +BTM	Line Key Selection for Telephone Mode	4-12			
Alt +BTM	Extension Line Key Ring Assignment (Day Mode)	4-37			
Alt +BTM	Extension Line Key Ring Assignment (Night Mode)	4-38			
Alt +BTP	Doorphone Chime Assignment (Day Mode)	4-03			
Alt +BTP	Doorphone Chime Assignment (Night Mode)	4-04			
Alt +BTS	★ Off-Hook Ringing Selection	4-51			
Alt +BM	Hold Recall Time Selection (Non-Exclusive Hold)	1-1-03			

Answer Key

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTT	★ CO/PBX Ring Assignment (Day Mode)	4-01			
Alt +BTT	★ CO/PBX Ring Assignment (Night Mode)	4-02			
Alt +BTM	Line Key Selection for Telephone Mode	4-12			
Alt +BTM	Extension Line Key Ring Assignment (Day Mode)	4-37			
Alt +BTM	Extension Line Key Ring Assignment (Night Mode)	4-38			
Alt +BTP	Doorphone Chime Assignment (Day Mode)	4-03			
Alt +BTP	Doorphone Chime Assignment (Night Mode)	4-04			
Alt +BCT	DIT Assignment	3-42			
Alt +BCT	ANA Assignment	3-43			
Alt +BTS	★ Off-Hook Ringing Selection	4-51			

Assigned Night Answer (ANA)

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BCT	DIT Assignment	3-42			
Alt +BCT	*ANA Assignment	3-43			
Alt +BCT	DIT/ANA Delay Answer Time Selection	3-61			
Alt +BCT	DIT Tenant Assignment	3-62			
Alt +BCT	*DIT Weekend Mode Selection	3-63			
Alt +BCT	*DIT Night Mode Delay Answer Selection	3-64			
Alt +BN	Trunk to Tenant Assignment	2-01			
Alt +BTT	Telephone to Tenant Assignment	4-09			
Alt +BN	Line Key Selection for Tenant Mode	2-06			
Alt +BTM	*Line Key Selection for Telephone Mode	4-12			
Alt +BTT	Call Forward - Busy Immediately/Delay Selection	4-42			
Alt +BM	Call Forward - No Answer Time Selection	1-2-22			

Attendant Add-on Console

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BS	★ Telephone Type Assignment	7-2			
Alt +BTD	*Attendant Add-On Console to Telephone Port Assignment	1-6-01			
Alt +BTD	Attendant Add-On Console Key Selection	1-6-05			
Alt +BTD	DSS Call Voice/Tone Signal Selection	1-6-03			
Alt +BTS	Class of Service (Station) Feature Selection 2	1-8-08			4-2
Alt +BTT	Station To Class Of Service Feature Assignment	4-17			
Alt +BTT	CO/PBX Ring Assignment (Day Mode)	4-01			
Alt +BTT	CO/PBX Ring Assignment (Night Mode)	4-02			
Alt +BTM	Line Key Selection for Telephone Mode	4-12			
Alt +BTM	Extension Line Key Ring Assignment (Day Mode)	4-37			
Alt +BTM	Extension Line Key Ring Assignment (Night Mode)	4-38			
Alt +BTT	Prime Line/Hot Line Assignment	4-23			
Alt +BTD	Attendant Transfer Selection During Live Record	1-6-08			

Attendant Camp-On

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTS	System Transfer/Camp-On Selection	1-1-11			
Alt +BTS	Class of Service (Station) Feature Selection 2	1-8-08			4-2
Alt +BTT	Station To Class Of Service Feature Assignment	4-17			
Alt +BTT	SLT Data Line Security Assignment	4-90			
Alt +BM	Attendant Add-On Console Transfer/Camp-On Recall Time Selection	1-1-64			

Attendant Positions

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BS	Telephone Type Assignment	7-2			
Alt +BTD	Attendant Add-On Console to Telephone Port Assignment	1-6-01			
Alt +BTD	Attendant Add-On Console Key Selection	1-6-05			
Alt +BTS	Class of Service (Attendant) Feature Selection 1	1-8-07		1-1~1-3, 1-7	
Alt +BTS	Class of Service (Station) Feature Selection 2	1-8-08			2-6, 4-2
Alt +BTT	Station To Class Of Service Feature Assignment	4-17			

Attendant Station Outgoing Lockout

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTD	★ Attendant Add-On Console Key Selection	1-6-05			
Alt +AC	Code Restriction Class Assignment When Lockout is Set	1-1-70			
Alt +AC	Code Restriction Class Assignment (Day Mode)	4-07			
Alt +AC	Code Restriction Class Assignment (Night Mode)	4-08			

Attendant Transfer

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTS	*System Transfer/Camp-On Selection	1-1-11			
Alt +BCS	CO Transfer Ring Pattern Selection	1-1-13			
Alt +BCS	CO Transfer Ring Tone Selection	1-1-14			
Alt +AU	Class of Service (Station) Feature Selection 2	1-8-08			4-2
Alt +BTD	Attendant Add-On Console Key Selection	1-6-05			
Alt +BM	Attendant Add-On Console Transfer/Camp-On Recall Time Selection	1-1-64			
Alt +AU	Automated Attendant Delay Announcement Hold Tone Selection	1-4-17			

Automated Attendant

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BS	Card Interface Slot Assignment	7-1			
Alt +BCT	Trunk Type Selection	3-91			
Alt +BCT	Trunk-to-Trunk Group Assignment	3-03			
Alt +AR	VRS Message Recording Time Selection	1-8-12			
Alt +AR	*VRS Message Function Assignment	1-8-13			
Alt +AU	Automated Attendant Extension Number Assignment	1-4-21			
Alt +AU	Automated Attendant Direct Extension Ring Assignment	1-4-22			
Alt +BA	*Access Code (1-, 2-, or 3-Digit) Assignment	1-1-46/47/48	501		
Alt +AU	*Automated Attendant Message Day/Night Mode Selection	1-4-11			
Alt +BTI	*SLT or Automated Attendant/DISA to PBR Selection	1-8-01			
Alt +BCT	★ Trunk Incoming Answer Mode Selection	3-05			

Automated Attendant (continued)

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +AU	Automated Attendant Function Selection	3-59			
Alt +AU	Automated Attendant Message to Trunk Selection	3-38			
Alt +BM	Automatic Day/Night Mode by Day of Week Selection	1-1-32			
Alt +AU	Hold Tone Automated Attendant Selection	3-65			
Alt +AU	Automated Attendant Message to Tenant Assignment	1-4-12			
Alt +BTS	Class of Service (Attendant) Feature Selection 1	1-8-07		1-1, 1-2, 1-8, 2-7	
Alt +BTS	Class of Service (Station) Feature Selection 2	1-8-08			2-6
Alt +BTT	Station to Class of Service Feature Assignment	4-17			
Alt +AU	Automated Attendant Message Access Code (1-Digit) Assignment	1-4-14			
Alt +AU	Automated Attendant Message Access Code (2-Digit) Assignment	1-4-15			
Alt +BA	Specified Station Access Code Assignment	1-2-08			
Alt +AU	Automated Attendant Answer Delay Time Assignment	1-4-13			
Alt +AU	Automated Attendant Message Repeat Selection	1-4-16			
Alt +AU	Automated Attendant PBR Start Time Selection	1-4-09			
Alt +AU	Automated Attendant First Digit PBR Release Time Selection	1-4-01			
Alt +AU	Automated Attendant Selection for DID	4-58			
Alt +AU	Automated Attendant PBR Timeout Response Selection	1-4-08			
Alt +AU	PBR Receive Level Assignment for Automated Attendant/DISA	1-8-02			
Alt +AU	Automated Attendant Transfer Delayed Ringing Time Selection	1-4-02			
Alt +AU	Automated Attendant Transfer Ring Pattern	1-1-54			
Alt +AU	Automated Attendant No Answer Disconnect Time Selection	1-4-03			

Automated Attendant (continued)

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +AU	Automated Attendant Delay Announcement Hold Tone Selection	1-4-17			
Alt +ALN	DID Digit Length Selection	1-1-20			
Alt +ALN	DID Digit Conversion Assignment	1-1-21			
Alt +ALN	DID Digit Conversion Table	1-1-22			
Alt +ALN	DID Forward Station Number for Busy Station or Undefined Digit	1-1-23			
Alt +BTM	Line Key Selection for Telephone Mode	4-12			
Alt +BTT	CO/PBX Ring Assignment (Day Mode)	4-01			
Alt +BTT	CO/PBX Ring Assignment (Night Mode)	4-02			
Alt +BI	Tone Assignment	1-8-15	Tone Table 01		
Alt +AT	Tandem Transfer SMDR Print Extension Assignment	1-4-04			
Alt +BM	Automatic Day/Night Mode Switching Time Assignment	1-1-27			

Automatic Answer with Delay Message

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BS	Card Interface Slot Assignment	7-1			
Alt +BTI	*SLT or Automated Attendant/DISA to CPU PBR Selection	1-8-01			
Alt +AR	VRS Message Recording Time Selection	1-8-12			
Alt +AR	*VRS Message Function Assignment	1-8-13			
Alt +AU	★Automated Attendant Message Day/Night Mode Selection	1-4-11			
Alt +AU	Automated Attendant Message to Tenant Assignment	1-4-12			

Automatic Answer with Delay Message (continued)

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +AU	Automated Attendant Answer Delay Time Assignment	1-4-13			
Alt +AU	Automated Attendant Delay Announcement Hold Tone Selection	1-4-17			
Alt +AU	*Automated Attendant Delay Announcement Assignment	1-4-18			
Alt +AU	*Automated Attendant 1 st to 2 nd Delay Announcement Interval Time	1-4-19			
Alt +AU	*Automated Attendant Delay Announcement Disconnect Time	1-4-20			
Alt +BCT	*Trunk Incoming Answer Mode Selection	3-05			
Alt +AU	Automated Attendant Message to Trunk Selection	3-38			
Alt +AU	*Automated Attendant Function Selection	3-59			
Alt +BA	*Access Code (1-, 2-, or 3-Digit) Assignment	1-1-46/47/48	501		
Alt +BTT	CO/PBX Ring Assignment (Day Mode)	4-01			
Alt +BTT	CO/PBX Ring Assignment (Night Mode)	4-02			

Automatic Call Distribution (ACD)

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BS	Card Interface Slot Assignment	7-1			
Alt +BS	MIF (ACD) Assignment	7-3-00			
Alt +BA	*Access Code (1-, 2-, or 3-Digit) Assignment	1-1-46/47/48	031, 032, 040		
Alt +AA	*ACD/UCD Group Pilot Number Assignment	1-12-00			
Alt +AA	*ACD/UCD Group Agent Assignment	1-8-25			
Alt +BTS	Class of Service (Station) Feature Selection 2	1-8-08			1-1, 1-4, 1-5

Automatic Call Distribution (ACD) (continued)

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTT	Station to Class of Service Feature Assignment	4-17			
Alt +AA	ACD/UCD Group Overflow Destination Assignment	1-12-01			
Alt +AA	ACD/UCD Overflow Time Selection	1-12-02			
Alt +BCT	DIT Assignment	3-42			
Alt +BCT	ANA Assignment	3-43			
Alt +BTM	Line Key Selection for Telephone Mode	4-12			
Alt +BTM	Extension Line Key Ring Assignment (Day Mode)	4-37			
Alt +BTM	Extension Line Key Ring Assignment (Night Mode)	4-38			
Alt +BTS	Barge-In Alert Tone Assignment	1-1-76			
Alt +AA	ACD Hunt Time	1-8-40			

Automatic Callback

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTS	Class of Service (Station) Feature Selection 2	1-8-08			1-3
Alt +BTT	Station to Class of Service Feature Assignment	4-17			
Alt +BA	Intercom Feature Access Code Assignment	1-2-24	004		
Alt +BM	Automatic Callback Release Time Selection	1-2-02			

Automatic Day/Night Mode Switching

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BM	★Automatic Day/Night Mode Switching Time Assignment	1-1-27			
Alt +BM	★Automatic Day/Night Mode by Day of Week Selection	1-1-32			
Alt +BTS	Class of Service (Attendant) Feature Selection 1	1-8-07		1-1,1-2	
Alt +BTT	CO/PBX Ring Assignment (Day Mode)	4-01			
Alt +BTT	CO/PBX Ring Assignment (Night Mode)	4-02			
Alt +BTM	Extension Line Key Ring Assignment (Day Mode)	4-37			
Alt +BTM	Extension Line Key Ring Assignment (Night Mode)	4-38			
Alt +AC	Code Restriction Class Assignment (Day Mode)	4-07			
Alt +AC	Code Restriction Class Assignment (Night Mode)	4-08			

Automatic Hold

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTD	Attendant Add-On Console to Telephone Port Assignment	1-6-01			
Alt +BTD	Attendant Add-On Console Key Selection	1-6-05			
Alt +BTM	Line Key Selection for Telephone Mode	4-12			
Alt +BTM	Extension Line Key Ring Assignment (Day Mode)	4-37			
Alt +BTM	Extension Line Key Ring Assignment (Night Mode)	4-38			
Alt +BM	Hold Recall Time Selection (Non-Exclusive Hold)	1-1-03			

Automatic Number Indication (ANI) on T1

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BS	Card Interface Slot Assignment	7-1			
Alt +BS	MIF (ANI/Caller ID) Assignment	7-3-04			
Alt +AD	Signal Format Selection	1-11-00			
Alt +AD	Clear Channel Selection	1-11-01			
Alt +AD	Line Length Selection	1-11-02			
Alt +AD	T1 Channel Selection	1-11-05			
Alt +AD	Signaling Selection	1-11-06			
Alt +AD	DTI Trunk Type Assignment	1-11-07			
Alt +AD	Digits Delete for T1 ANI Assignment	1-11-08			
Alt +AD	*Master Clock Selection	1-8-33			
Alt +AI	★ Caller ID Display Assignment for System Mode	1-1-78			
Alt +BTS	*Class of Service (Station) Feature Selection 2	1-8-08			4-3, 4-4, 5-7
Alt +BTT	Station to Class of Service Feature Assignment	4-17			
Alt +AI	Caller Name Indication Selection	3-53			
Alt +BCT	Trunk-to-Trunk Group Assignment	3-03			
Alt +AI	Caller ID Display Assignment for CO/PBX Line	3-44			
Alt +AI	Caller ID Outgoing CO Selection	4-44			
Alt +BTM	Line Key Selection for Telephone Mode	4-12			
Alt +BTM	Extension Line Key Ring Assignment (Day Mode)	4-37			
Alt +BTM	Extension Line Key Ring Assignment (Night Mode)	4-38			
Alt +BTM	SIE/CAR Ringing Line Preference Selection	4-41			
Alt +BN	Trunk to Tenant Assignment	2-01			
Alt +BN	Line Key Selection for Tenant Mode	2-06			

Automatic Redial

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BM	Automatic Redial Time Selection	1-1-04			
Alt +BTS	Manual Pause Selection	1-1-09			

Automatic Release

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BCT	Automatic Release Signal Detection Selection	3-40			

Automatic Route Selection (ARS)

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BCT	Trunk-to-Trunk Group Assignment	3-03			
Alt +BCT	Trunk Type Selection	3-91			
Alt +BTT	LCR Class Selection	4-40			
Alt +BTS	*Class of Service (Station) Feature Selection 2	1-8-08			3-4, 6-1
Alt +BTT	Station to Class of Service Feature Assignment	4-17			
Alt +BTM	Line Key Selection for Telephone Mode	4-12			
Alt +AB	*ARS Allow/Deny Selection	1-14-00			
Alt +AB	*ARS Dialing Assignment	1-14-01			
Alt +AB	*ARS Dial Allow/Deny Selection	1-14-02			
Alt +AB	*ARS Route Table Number Assignment	1-14-03			
Alt +AB	*ARS Trunk Group to Route Number Assignment	1-14-04			
Alt +AB	*ARS Digit Delete Assignment	1-14-05			
Alt +AB	*ARS Digit Add Assignment	1-14-06			

Automatic Trunk-to-Trunk Transfer

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BCT	*Trunk Incoming Answer Mode Selection	3-05			
Alt +AT	*Automatic Tandem Trunk Assignment	3-06			
Alt +BCT	*Trunk-to-Trunk Transfer Yes/No Selection	3-04			
Alt +BTS	Class of Service (Attendant) Feature Selection 1	1-8-07		1-7	
Alt +BTT	Station to Class of Service Feature Assignment	4-17			
Alt +AT	Automatic Tandem Trunk by Night Mode Selection	1-4-05			
Alt +AT	Tandem Transfer Automatic Disconnect Time Selection	1-4-00			

Automatic Trunk-to-Trunk Transfer (continued)

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BCT	Automatic Release Signal Detection Selection	3-40			

Background Music - External Speaker

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BP	General Purpose Relay Assignment	1-8-37			
Alt +BP	External Speaker Connection Selection	1-7-02			
Alt +BP	External Paging Alert Tone Selection	1-7-03			
Alt +BP	External Paging Timeout Selection	1-7-06			

Background Music - Multiline Speaker

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BCS	BGM Port Assignment	1-1-79			
Alt +BTS	*Class of Service (Station) Feature Selection 2	1-8-08			4-7
Alt +BCS	Hold Tone Source Selection	1-8-31			

Barge-In (Privacy Override)

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTS	*Class of Service (Station) Feature Selection 2	1-8-08			1-4, 1-5
Alt +BTT	*Station to Class of Service Feature Assignment	4-17			
Alt +BN	Trunk to Tenant Assignment	2-01			
Alt +BCS	Private Line Assignment	1-1-29			
Alt +BTT	SLT Data Line Security Assignment	4-90			
Alt +BTS	Barge-In Alert Tone Assignment	1-1-76			
Alt +BM	Start time Selection	1-1-05			

Busy Lamp Field on Multiline Terminals

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTM	Line Key Selection for Telephone Mode	4-12			

Call Alert Notification

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTS	*Class of Service (Station) Feature Selection 2	1-8-08			3-8
Alt +BTT	Station to Class of Service Feature Assignment	4-17			
Alt +BTT	Call Forward - Busy Immediately/Delay Selection	4-42			
Alt +BTT	SLT Data Line Security Assignment	4-90			
Alt +BM	Call Forward - No Answer Time Selection	1-2-22			

Call Appearance (CAP) Keys

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTT	★ Station to Call Appearance Block Assignment	4-43			
Alt +BTM	*Line Key Selection for Telephone Mode	4-12			

Call Arrival (CAR) Keys

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BK	★ Call Arrival Key Block Assignment	1-2-04			
Alt +BA	Access Code (1- or 2-Digit) Assignment	1-1-46/47/48	001		
Alt +BS	*Station Number Assignment	4-10			
Alt +BTM	*Line Key Selection for Telephone Mode	4-12			
Alt +BTM	★ Extension Line Key Ring Assignment (Day Mode)	4-37			
Alt +BTM	★ Extension Line Key Ring Assignment (Night Mode)	4-38			
Alt +BTD	Attendant Add-On Console Key Selection	1-6-05			
Alt +BTM	SIE/CAR Ringing Line Preference Selection	4-41			
Alt +BTT	Station to Call Appearance Block Assignment	4-43			

Call Forward – All Call

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BA	Access Code (1-, 2- or 3-Digit) Assignment	1-1-46/47/48	030, 032, 033, 034, 142, 143		
Alt +BTS	*Class of Service (Attendant) Feature Selection 1	1-8-07		2-2, 2-3	
Alt +BTS	★ Class of Service (Station) Feature Selection 2	1-8-08			1-1, 5-4
Alt +BTT	Station to Class of Service Feature Assignment	4-17			
Alt +BTM	Line Key Selection for Telephone Mode	4-12			

Call Forward – Busy/No Answer

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BA	Access Code (1-, 2- or 3-Digit) Assignment	1-1-46/47/48	020~025, 140, 141		
Alt +BTS	*Class of Service (Attendant) Feature Selection 1	1-8-07		2-2	
Alt +BTT	Station to Class of Service Feature Assignment	4-17			
Alt +BTS	*Class of Service (Station) Feature Selection 2	1-8-08			2-5, 5-4
Alt +BTM	Line Key Selection for Telephone Mode	4-12			
Alt +BTT	CO/PBX Busy Forward Station Assignment	4-13			

Call Forward –Centrex

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BCT	Trunk Type Selection	3-91			
Alt +BA	Access Code (1-, 2- or 3-Digit) Assignment	1-1-46/47/48	154~159		
Alt +BTS	*Class of Service (Attendant) Feature Selection 1	1-8-07		2-2	
Alt +BTS	*Class of Service (Station) Feature Selection 2	1-8-08			1-1,2-5, 5-4
Alt +BTT	Station to Class of Service Feature Assignment	4-17			
Alt +BTM	Call Forward-Busy Immediately/Delay Selection	4-42			
Alt +BM	Call Forward- No Answer Time Selection	1-2-22			

Call Forward - Off-Premise

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BA	Access Code (1-, 2- or 3-Digit) Assignment	1-1-46/47/48	020~ 025 033, 034, 140~143		
Alt +BTS	*Class of Service (Attendant) Feature Selection 1	1-8-07		2-2, 2-3	
Alt +BTS	*Class of Service (Station) Feature Selection 2	1-8-08			5-4
Alt +BTT	Station to Class of Service Feature Assignment	4-17			
Alt +BCT	Trunk-to-Trunk Transfer Yes/No Selection	3-04			
Alt +BCT	Polarity Reversal Selection	3-90			
Alt +BTM	Line Key Selection for Telephone Mode	4-12			
Alt +BN	Line Key Selection	2-05			
Alt +BN	Line Key Selection for Tenant Mode	2-06			
Alt +AT	Tandem Transfer Automatic Disconnect Time Selection	1-4-00			

Call Forward - Split

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BA	*Access Code (1-, 2- or 3-Digit) Assignment	1-1-46/47/48	154~159		
Alt +BTS	*Class of Service (Attendant) Feature Selection 1	1-8-07		2-2	
Alt +BTS	*Class of Service (Station) Feature Selection 2	1-8-08			1-1, 2-5, 5-4
Alt +BTT	Station to Class of Service Feature Assignment	4-17			
Alt +BTM	Call Forward-Busy Immediately/Delay Selection	4-42			
Alt +BM	Call Forward- No Answer Time Selection	1-2-22			

Call Park - System

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BA	Access Code (1-, 2- or 3-Digit) Assignment	1-1-46/47/48	047, 048		
Alt +BM	System Call Park Recall Time Selection	1-2-23			

Call Pickup-Direct

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BA	Access Code (1-, 2-, or 3-Digit) Assignment	1-1-46/47/48	042		

Call Pickup – Group

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BA	Access Code (1-, 2-, or 3-Digit) Assignment	1-1-46/47/48	052, 053, 057, 060, 061, 066~069		
Alt +BN	Trunk to Tenant Assignment	2-01			
Alt +BTT	Telephone to Tenant Assignment	4-09			

Callback Request

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BA	Intercom Feature Access Code Assignment	1-2-24	005		
Alt +BTS	Class of Service (Station) Feature Selection 2	1-8-08			2-2
Alt +BTT	Station to Class of Service Feature Assignment	4-17			

Caller ID Indication

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BS	Card Interface Slot Assignment	7-1			
Alt +BS	MIF (ANI/Caller ID) Assignment	7-3-04			
Alt +AI	★ Caller ID Display Assignment for System Mode	1-1-78			
Alt +AI	Caller ID Display for CAR Key Assignment	4-49			
Alt +AI	Caller ID Display Assignment for CO/PBX Line	3-44			
Alt +AI	Caller ID Outgoing CO Selection	4-44			
Alt +BTS	*Class of Service (Station) Feature Selection 2	1-8-08			4-3, 4-4, 5-7

Caller ID Indication (continued)

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTT	Station to Class of Service Feature Assignment	4-17			
Alt +BN	Line Key Selection for Tenant Mode	2-06			
Alt +BTM	Line Key Selection for Telephone Mode	4-12			
Alt +BTM	Extension Line Key Ring Assignment (Day Mode)	4-37			
Alt +BTM	Extension Line Key Ring Assignment (Night Mode)	4-38			
Alt +BTT	*CO/PBX Ring Assignment (Day Mode)	4-01			
Alt +BTT	*CO/PBX Ring Assignment (Night Mode)	4-02			
Alt +BCT	DIT Assignment	3-42			
Alt +BCT	ANA Assignment	3-43			
Alt +AI	Caller Name Indication Selection	3-53			

Centralized Voice Mail

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BS	Card Interface Slot Assignment	7-1			
Alt +BS	Telephone Type Assignment	7-2			
Alt +BK	★ Call Arrival Key Block Assignment	1-2-04			
Alt +BTI	Voice Mail/SLT Selection	4-35			
Alt +BS	*Station Number Assignment	4-10			
Alt +AV	★Call Arrival Key Voice Mail Message Notification Assignment	1-8-47			
Alt +BTT	*Intercom Master Hunt Number Selection	4-14			
Alt +BTT	≭ Intercom Master Hunt Number Forward Assignment	4-15			
Alt +BTT	Station Name Assignment	4-18			
Alt +BA	Intercom Feature Access Code Assignment	1-2-24	007		

Centralized Voice Mail (continued)

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +AV	*Voice Mail Quick Transfer Master Hunt Number	1-8-26			
Alt +BA	*Access Code (1-, 2-, 3-Digit) Assignment	1-1-46~48	001, 401~416, 502, 503, 020~025, 030, 032, 033, 034, 140~145, 150~159		
Alt +BCS	*Networking Trunk Group/Route Advance Assignment	1-1-49			
Alt +BCS	*CO/PBX Outgoing Digit Add Assignment	1-1-50			
Alt +BCT	*Trunk Type Selection	3-91			
Alt +BCT	*Trunk-to-Trunk Group Assignment	3-03			
Alt +BCT	Trunk (Installed, DP/DTMF) Selection	3-92			
Alt +BCT	*Trunk-to-Trunk Transfer Yes/No Selection	3-04			
Alt +ALN	Tie Line Networking Tandem Connection Assignment	5-01			
Alt +AV	Voice Mail DTMF Delay Time Selection	1-3-08			
Alt +AV	Voice Mail Disconnect Time Selection	1-3-09			
Alt +AV	Voice Mail DTMF Duration/Interdigit Time Selection	1-3-10			
Alt +BN	Trunk to Tenant Assignment	2-01			
Alt +BTT	Telephone to Tenant Assignment	4-09			
Alt +BN	Line Key Selection for Tenant Mode	2-06			
Alt +BTM	Line Key Selection for Telephone Mode	4-12			
Alt +BCT	DIT Assignment	3-42			
Alt +BCT	ANA Assignment	3-43			
Alt +BCT	DIT/ANA Delay Answer Time Selection	3-61			
Alt +BCT	DIT Tenant Assignment	3-62			
Alt +BCT	DIT Weekend Mode Selection	3-63			
Alt +BCT	DIT Night Mode Delay Answer Selection	3-64			
Alt +BTT	Call forward - Busy Immediately/Delay Selection	4-42			

Centralized Voice Mail (continued)

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BM	Call forward - No Answer Time Selection	1-2-22			

Class of Service

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTS	Class of Service (Attendant) Feature Selection 1	1-8-07		All used Line Keys	
Alt +BTS	Class of Service (Station) Feature Selection 2	1-8-08			All used Line Keys
Alt +BTT	Station to Class of Service Feature Assignment	4-17			

Clock/Calendar Display

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BM	≭ Time Display (12h/24h) Selection	1-8-04			
Alt +BM	Automatic Daylight Saving Time Selection	1-8-48			

This display can only be set from Port 01 or Port 02.

CO/PBX/Tie Line Digit Restriction (Digit Counting)

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTT	*Trunk Digit Restriction	4-32			
Alt +AC	*Code Restriction Class Assignment (Day Mode)	4-07			
Alt +AC	*Code Restriction Class Assignment (Night Mode)	4-08			
Alt +AC	Tie Line Code Restriction Assignment	1-1-69			

Code Restriction

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +AC	*Code Restriction Class Assignment (Day Mode)	4-07			
Alt +AC	*Code Restriction Class Assignment (Night Mode)	4-08			
Alt +BN	Trunk to Tenant Assignment	2-01			
Alt +BCT	Trunk-to-Trunk Group Assignment	3-03			
Alt +BCT	Trunk Type Selection	3-91			
Alt +BA	PBX/CTX Access Code Assignment I	1-1-24			
Alt +BA	PBX/CTX Access Code Assignment II	1-1-25			
Alt +AC	OCC Table Assignment	1-1-67			
Alt +AC	OCC Table to Trunk Group Assignment	5-03			
Alt +AC	8-Digit Matching Table to OCC Table Assignment	1-1-68			
Alt +AC	8-Digit Matching Table to Normal Dial Assignment	1-1-66			
Alt +AC	8-Digit Matching Table to Trunk Group Assignment	5-02			
Alt +AC	8-Digit Matching Table Assignment	1-1-60			
Alt +AC	8-Digit Matching Table to Class Assignment	1-1-61			
Alt +AC	Code Restriction Class Allow/Deny Selection	1-1-65			

Code Restriction (continued)

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +AC	System Speed Dial Restriction by Tenant	1-1-18			
Alt +AC	System Speed Dial Override by Class Selection	1-1-62			
Alt +AC	Tie Line Code Restriction Assignment	1-1-69			
Alt +AC	Code Restriction Class Assignment when Lockout is Set	1-1-70			
Alt +BTT	Trunk Digit Restriction	4-32			
Alt +BTT	Telephone to Tenant Assignment	4-09			
Alt +BTS	*Class of Service (Station) Feature Selection 2	1-8-08			3-7
Alt +BTT	Station to Class of Service Feature Assignment	4-17			
Alt +AC	CO Feature Code Service for Code Restriction	1-1-82			

Cordless Telephone Connection (Analog)

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTM	APR Ring Mode Assignment	4-39			
Alt +AU	APR/APA Hookflash Selection	4-59			

Customized Message

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BI	Customized Message 1~10 Assignment	1-2-09~18			
Alt +BTS	Class of Service (Station) Feature Selection 2	1-8-08			1-1, 2-1
Alt +BTT	Station to Class of Service Feature Assignment	4-17			

Data Line Security

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTT	*SLT Data Line Security Assignment	4-90			
Alt +BTS	Class of Service (Station) Feature Selection 2	1-8-08			3-8
Alt +BTT	Station to Class of Service Feature Assignment	4-17			

Delay Announcement

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +AR	*VRS Message Recording Time Selection	1-8-12			
Alt +AR	*VRS Message Function Assignment	1-8-13			
Alt +BA	*Access Code (1-, 2-, 3-Digit) Assignment	1-1-46/47/48	501		
Alt +BTS	Class of Service (Station) Feature Selection 2	1-8-08			2-6
Alt +BTT	Station to Class of Service Feature Assignment	4-17			
Alt +AR	*Delay Announcement Assignment	3-41			
Alt +AR	First Delay Announcement Start Time Selection	1-1-71			
Alt +AR	First Delay Announcement Repeat Selection	1-1-72			
Alt +AR	First to Second Delay Announcement Interval Time Selection	1-1-73			
Alt +AR	Second Delay Announcement Repeat Selection	1-1-74			
Alt +AR	Second Delay Announcement Repeat Interval Time Selection	1-1-75			

Delayed Ringing

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTM	Line Selection for Telephone Mode	4-12			
Alt +BTT	* CO/PBX Ring Assignment (Day Mode)	4-01			
Alt +BTM	Extension Line Key Ring Assignment (Day Mode)	4-37			
Alt +BTT	* CO/PBX Ring Assignment (Night Mode)	4-02			
Alt +BTM	Extension Line Key Ring Assignment (Night Mode)	4-38			
Alt +BCM	Delayed Ringing Time Assignment (CO)	1-1-77			
Alt +BI	Delayed Ringing Time Assignment (ICM)	1-2-26			
Alt +AU	Automated Attendant Transfer Delayed Ringing Time Selection	1-4-02			
Alt +ALM	Tie/DID Line Delay Ringing Time Selection	1-1-07			
Alt +ALN	Tie/DID Line Delay Ring Pattern Selection	1-1-53			
Alt +BM	CO/PBX Incoming Ringing Alarm Time Selection	1-1-06			

Dial 0 for Attendant

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BA	Access Code (1-Digit) Assignment	1-1-46	176		
Alt +BA	Specified Station Access Code Assignment	1-2-08			

Dialed Number Identification Service (DNIS)

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BS	Card Interface Slot Assignment	7-1			
Alt +BS	* Station Number Assignment	4-10			
Alt +BK	Call Arrival Key Block Assignment	1-2-04			
Alt +BCT	Trunk Type Selection	3-91			
Alt +ALN	Digit Add/Del for Tie Line Networking Assignment	5-00			
Alt +ALN	* DID Digit Length Selection	1-1-20			
Alt +ALN	* DID Digit Conversion Assignment	1-1-21			
Alt +ALN	* DID digit Conversion Table	1-1-22			
Alt +ALN	DID Forward Station Number for Busy station or Undefined Digit	1-1-23			
Alt +BTS	* Class of Service (Station) Feature Selection 2	1-8-08			4-3,4-4, 5-7
Alt +AI	Caller ID Display for CAR Key Assignment	4-49			
Alt +BTT	Station to Class of Service Feature Assignment	4-17			
Alt +BTT	Telephone to Tenant Assignment	4-09			
Alt +BN	Line Key Selection	2-05			
Alt +BN	Line Key Selection for Tenant Mode	2-06			
Alt +BTM	Line Key Selection for Telephone Mode	4-12			
Alt +BTT	CO/PBX Ring Assignment (Day Mode)	4-01			
Alt +BTT	CO/PBX Ring Assignment (Night Mode)	4-02			
Alt +BTM	Extension Line Key Ring Assignment (Day Mode)	4-37			
Alt +BTM	Extension Line Key Ring Assignment (Night Mode)	4-38			

Digit Insertion

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BA	*Access Code (1-, 2-, 3-Digit) Assignment	1-1-46/47/48	401 ~ 416		
Alt +BCT	Trunk-to-Trunk Group Assignment	3-03			
Alt +BCS	★Networking Trunk Group/Route Advance Assignment	1-1-49			
Alt +BCS	*CO/PBX Outgoing Digit Add Assignment	1-1-50			

Digital Voice Mail

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BS	Card Interface Slot Assignment	7-1			
Alt +BS	*Telephone Type Assignment	7-2			
Alt +BS	*Station Number Assignment	4-10			
Alt +BTT	≭ Intercom Master Hunt Number Selection	4-14			
Alt +BTT	≭ Intercom Master Hunt Number Forward Selection	4-15			
Alt +AV	*Voice Mail Quick Transfer Master Hunt Number	1-8-26			
Alt +BA	Intercom Feature Access Code Assignment	1-2-24	007		
Alt +BTS	Class of Service (Station) Feature Selection 2	1-8-08			1-1, 2-5, 4-5, 4-6
Alt +BTT	Station to Class of Service Feature Assignment	4-17			
Alt +BA	Access Code (1-, 2-, 3-Digit) Assignment	1-1-46/47/48	020 ~ 025, 030, 032, 033, 034, 140~143, 027		
Alt +BCM	Hookflash Time Selection	1-1-02			
Alt +BCT	DIT Assignment	3-42		_	_
Alt +BCT	ANA Assignment	3-43			

Digital Voice Mail (continued)

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +AV	Live Record Trunk Selection	3-45			
Alt +AV	Live Record Auto Delete Selection	4-46			
Alt +BTM	Line Key Selection for Telephone Mode	4-12			
Alt +BTD	Attendant Add-On Console Key Selection	1-6-05			

Digital Voice Mail Caller ID Display with Call Return

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BS	Card Interface Slot Assignment	7-1			
Alt +BS	Telephone Type Assignment	7-2			
Alt +BS	*Station Number Assignment	4-10			
Alt +BTT	≭ Intercom Master Hunt Number Selection	4-14			
Alt +BTT	★Intercom Master Hunt Number Forward Selection	4-15			
Alt +AV	*Voice MAil Quick Transfer Master Hunt Number	1-8-26			
Alt +BTS	*Class of Service (Station) Feature Selection 2	1-8-08			4-3, 4-4 5-7, 3-4,
Alt +BCT	Trunk-to-Trunk Group Assignment	3-03			
Alt +BCT	Trunk Type Selection	3-91			
Alt +BTT	LCR Class Selection	4-40			
Alt +BTT	*Station to Class of Service Feature Assignment	4-17			
Alt +BTM	Line Key Selection for Telephone Mode	4-12			
Alt +AT	Tandem Transfer Automatic Disconnect Time Selection	1-4-00			
Alt +AB	*ARS Allow/Deny Selection	1-14-01			
Alt +AB	*ARS Dialing Assignment	1-14-02			
Alt +AB	*ARS Route Table Number Assignment	1-14-03			

Digital Voice Mail Caller ID Display with Call Return (continued)

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +AB	*ARS Trunk Group to Route Number Assignment	1-14-04			
Alt +AB	*ARS Digit Delete Assignment	1-14-05			
Alt +AB	*ARS Digit Add Assignment	1-14-06			

Direct Inward Dialing (DID)

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BS	Card Interface Slot Assignment	7-1			
Alt +BCT	*Trunk-to-Trunk Group Assignment	3-03			
Alt +BCT	*Trunk Type Selection	3-91			
Alt +ALT	Tie Line Type Assignment	3-14			
Alt +ALN	Tie Line First Ring Pattern Selection	1-1-34			
Alt +ALN	Tie Line Delay Ring Pattern Selection	1-1-53			
Alt +ALN	DID Line Ringing Pattern Selection	1-1-55			
Alt +ALM	Tie Line Prepause Time Selection	3-16			
Alt +ALM	Tie Line Wink/Delay Signal Detect Timeout Selection	3-25			
Alt +ALM	Tie Line Answer Detect Time Selection	3-17			
Alt +ALM	Tie Line Delay Ringing Time Selection	1-1-07			
Alt +ALM	Tie Line Release Detect Time Selection	3-18			
Alt +ALM	Tie Line Length of Wink Signal Selection	3-21			
Alt +ALM	Tie Line Length of Delay Signal Selection	3-22			
Alt +ALT	Tie Line Send Tone Selection	3-27			
Alt +ALT	Tie Line Reorder Tone Selection	3-28			

Direct Inward Dialing (DID) (continued)

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +ALN	Digit Add/Del for Tie Line Networking Assignment	5-00			
Alt +ALN	DID Digit Length Selection	1-1-20			
Alt +ALN	DID Forward Station Number for Busy or Undefined Digit	1-1-23			
Alt +ALN	DID Digit Conversion Assignment	1-1-21			
Alt +ALN	DID Digit Conversion Table	1-1-22			
Alt +BTS	Class of Service (Station) Feature Selection 2	1-8-08			4-3, 4-4 5-7
Alt +BTT	Station to Class of Service Feature Assignment	4-17			
Alt +BN	DID Limit to Tenant Assignment	2-09			
Alt +BN	Trunk to Tenant Assignment	2-01			
Alt +BN	Line Key Selection	2-05			
Alt +BN	Line Key Selection for Tenant Mode	2-06			
Alt +BTM	Line Key Selection for Telephone Mode	4-12			
Alt +BTT	Telephone to Tenant Assignment	4-09			
Alt +BTT	CO/PBX Ring Assignment (Day Mode)	4-01			
Alt +BTT	CO/PBX Ring Assignment (Night Mode)	4-02			
Alt +BTM	Extension Line Key Ring Assignment (Day Mode)	4-37			
Alt +BTM	Extension Line Key Ring Assignment (Night Mode)	4-38			

Direct Inward System Access (DISA)

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BA	Access Codes (1-, 2-, 3-Digit) Assignment	1-1-46/47/48	251~ 253,		
Alt +AU	*Automated Attendant Message Day/Night Mode Selection	1-4-11			
Alt +BTI	*SLT or Automated Attendant/DISA to PBR Selection	1-8-01			
Alt +BCT	*Trunk Incoming Answer Mode Selection	3-05			
Alt +BTS	Class of Service (Attendant) Feature Selection 1	1-8-07		1-8, 2-5, 2-6	
Alt +BTS	Class of Service (Station) Feature Selection 2	1-8-08			2-8
Alt +BTT	Station to Class of Service Feature Assignment	4-17			
Alt +BD	DISA ID Code Assignment	1-9-00			
Alt +BD	DISA Password Effect/Invalid Selection	1-9-02			
Alt +BD	DISA ID Number Station Assignment	4-26			
Alt +AU	Automated Attendant Message Access Code (1-Digit) Assignment	1-4-14			
Alt +AU	Automated Attendant Message Access Code (2-Digit) Assignment	1-4-15			
Alt +BTS	Specified Station Access Code Assignment	1-2-08			
Alt +AU	Automated Attendant PBR Start Time Selection	1-4-09			
Alt +AU	Automated Attendant First Digit PBR Release Time Selection	1-4-01			
Alt +AU	Automated Attendant PBR Timeout Response Selection	1-4-08			
Alt +AU	PBR Receive Level Assignment for Automated Attendant/DISA	1-8-02			
Alt +AU	Automated Attendant Transfer Delayed Ringing Time Selection	1-4-02			
Alt +AU	Automated Attendant Transfer Ring Pattern	1-1-54			
Alt +AU	Automated Attendant No Answer Disconnect Time Selection	1-4-03			
Alt +BTT	CO/PBX Ring Assignment (Day Mode)	4-01			
Alt +BTT	CO/PBX Ring Assignment (Night Mode)	4-02			

Direct Inward System Access (DISA) (continued)

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BI	Tone Assignment	1-8-15 (Tone Table)			
Alt +AT	Tandem Transfer SMDR Print Extension Assignment	1-4-04			

Direct Inward Termination (DIT)

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BCT	*DIT Assignment	3-42			
Alt +BCT	*ANA Assignment	3-43			
Alt +BCT	DIT/ANA Delay Answer Time Selection	3-61			
Alt +BCT	DIT Tenant Assignment	3-62			
Alt +BCT	DIT Weekend Mode Selection	3-63			
Alt +BCT	DIT Night Mode Delay Answer Selection	3-64			
Alt +BN	Trunk to Tenant Assignment	2-01			
Alt +BN	Line Key Selection for Tenant Mode	2-06			
Alt +BTT	Telephone to Tenant Assignment	4-09			
Alt +BTM	*Line Key Selection for Telephone Mode	4-12			
Alt +BTT	Call Forward - Busy Immediately/Delay Selection	4-42			
Alt +BM	Call Forward - No Answer Time Selection	1-2-22			

Direct Paging Access

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BA	Access Code (1-, 2-, or 3-Digit) Assignment	1-1-46/47/48	070 ~079, 081		
Alt +BTM	Line Key Selection for Telephone Mode	4-12			
Alt +BTD	Attendant Add-On Console Key Selection	1-6-05			

Direct Station Selection (DSS)

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BS	Telephone Type Assignment	7-2			
Alt +BTM	Line Key Selection for Telephone Mode	4-12			
Alt +BTD	Attendant Add-On Console to Telephone Port Assignment	1-6-01			
Alt +BTD	Attendant Add-On Console Key Selection	1-6-05			
Alt +BTD	DSS Call Voice/Tone Signal Selection	1-6-03			
Alt +BN	Line Key Selection	2-05			
Alt +BN	Line Key Selection for Tenant Mode	2-06			

Distinctive Ringing

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTT	★ CO Line Ringing Pattern Priority Selection	4-57			
Alt +BTT	★ CO Line Ringing Pattern Selection for Telephone Mode	4-55			
Alt +BCT	★ CO Line Ringing Pattern Selection for CO/PBX Line Mode	3-67			

Distinctive Ringing (continued)

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BCS	Synchronous Ringing Selection	1-1-59			
Alt +BTS	★ Distinctive Ringing by Telephone or CO Selection	1-1-28			
Alt +BCT	CO/PBX Ringing Variation Selection	3-07			
Alt +BTM	Telephone Ringing Variation Selection	4-91			
Alt +BCS	CO Line Ringing Pattern Selection	1-1-51			
Alt +BCS	PBX Line Ringing Pattern Selection	1-1-52			
Alt +ALN	Tie Line Delay Ring Pattern Selection	1-1-53			
Alt +BM	CO/PBX Incoming Ringing Alarm Time Selection	1-1-06			

Do Not Disturb

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTS	Class of Service (Attendant) Feature Selection 1	1-8-07		2-3	
Alt +BTS	Class of Service (Station) Feature Selection 2	1-8-08			1-1
Alt +BTT	Station to Class of Service Feature Assignment	4-17			

Door/Monitor Telephone

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTP	*Doorphone Assignment	1-7-00			
Alt +BTP	*Doorphone Chime Assignment (Day Mode)	4-03			
Alt +BTP	*Doorphone Chime Assignment (Night Mode)	4-04			
Alt +BTP	Doorphone Ring Pattern Selection	1-7-04			

Door/Monitor Telephone (continued)

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTP	Doorphone Ringing Frequency Selection	1-7-05			
Alt +BTP	Doorphone Display Assignment	1-7-01			

DP to DTMF Switching

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BCT	Trunk (Installed, DP/DTMF) Selection	3-92			

Drop Key

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTM	Line Key Selection for Telephone Mode	4-12			
Alt +BN	Line Key Selection	2-05			
Alt +BN	Line Key Selection for Tenant Mode	2-06			

E&M Tie Lines (4-Wire)

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BCT	Trunk Type Selection	3-91			
Alt +BCT	Trunk (Installed, DP/DTMF) Selection	3-92			
Alt +BCT	Trunk-to-Trunk Group Assignment	3-03			
Alt +ALT	Tie Line Type Assignment	3-14			

E&M Tie Lines (4-Wire) (continued)

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +ALM	Tie Line Prepause Time Selection	3-16			
Alt +ALM	Tie Line Answer Detect Time Selection	3-17			
Alt +ALM	Tie Line Release Detect Time Selection	3-18			
Alt +ALM	Tie Line Wink/Delay Signal Detect Timeout Selection	3-25			
Alt +ALM	Tie Line Loop Off-Guard Time Selection	3-20			
Alt +ALM	Tie Line Length of Wink Signal Selection	3-21			
Alt +ALM	Tie Line Length of Delay Signal Selection	3-22			
Alt +ALM	Tie Line Incoming Interdigit Timeout Selection	3-24			
Alt +BCT	Tie Line/CO/PBX Incoming Signal Detect Time Selection	3-19			
Alt +ALN	Digit Add/Del for Tie Line Networking Assignment	5-00			
Alt +ALN	Tie Line First Ring Pattern Selection	1-1-34			
Alt +ALM	Tie Line Delay Ringing Time Selection	1-1-07			
Alt +ALN	Tie Line Delay Ring Pattern Selection	1-1-53			
Alt +BCT	Trunk Internal Transmit Pad Selection	3-29			
Alt +BCT	Trunk Internal Receive Pad Selection	3-30			
Alt +BCT	Trunk External Transmit Pad Selection	3-31			
Alt +BCT	Trunk External Receive Pad Selection	3-32			
Alt +ALT	Tie Line Dial Tone Selection	3-27			
Alt +ALT	Tie Line Reorder Tone Selection	3-28			
Alt +AC	Tie Line Code Restriction Assignment	1-1-69			
Alt +BCT	Trunk DTMF Duration/Interdigit Selection	3-15			

Elapsed Call Time

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BM	Start Time Selection	1-1-05			

Note: Note

Electric Volume Control

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTT	Receiving Volume Selection	4-92			

Elite ACD Plus

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BS	Card Interface Slot Assignment	7-1			
Alt +BS	Telephone Type Assignment	7-2			
Alt +BK	Call Arrival Key Block Assignment	1-2-04			
Alt +BTT	Co/PBX Ring Assignment (Day Mode)	4-01			
Alt +BTT	Co/PBX Ring Assignment (Night Mode)	4-02			
Alt +BCT	ANA Assignment	3-43			
Alt +BCT	DIT Assignment	3-42			
Alt +BS	*Station Number Assignment	4-10			
Alt +BTM	*Line Key Selection for Telephone Mode	4-12			
Alt +BTM	≭ Extension Line Key Ring Assignment (Day Mode)	4-37			
Alt +BTM	*Extension Line Key Ring Assignment (Night Mode)	4-38			
Alt +BTT	Intercom Master Hunt Number Selection	4-14			
Alt +BTT	Intercom Master Hunt Number Forward Assignment	4-15			

Elite ACD Plus (continued)

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTT	Station Name Assignment	4-18			
Alt +BTM	*SIE/CAR Ringing Line Preference Selection	4-41			
Alt +BA	Access Code (1-, 2-, 3-Digit) Assignment	1-1-46~48	064, 042		

Enhanced 911(CAMA Trunk)

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BS	Card Interface Slot Assignment	7-1			
Alt +AE	911-Cut Through Trunk Selection	3-69			
Alt +AE	Enhanced 911 Trunk Assignment	1-8-43			
Alt +AE	Enhanced 911 Alternate Route Assignment	1-8-44			
Alt +AE	Enhanced 911 Alternate Route Assignment (Maintenance Busy)	1-8-45			
Alt +AE	Enhanced 911 Dialing Digit Assignment	1-8-46			
Alt +AE	Enhanced 911 CESID to Station Table Assignment	4-54			
Alt +BCT	Trunk-to-Trunk Group Assignment	3-03			

Enhanced 911(ISDN PRI)

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +AE	911-Cut Through Trunk Selection	3-69			
Alt +AE	Enhanced 911 Trunk Assignment	1-8-43			
Alt +AE	Enhanced 911 Alternate Route Assignment	1-8-44			

Enhanced 911(ISDN PRI)

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +AE	Enhanced 911 Alternate Route Assignment (Maintenance Busy)	1-8-45			
Alt +AE	Enhanced 911 Dialing Digit Assignment	1-8-46			
Alt +AE	Enhanced 911 CESID to Station Table Assignment	4-54			
Alt +BCT	Trunk-to-Trunk Group Assignment	3-03			
Alt +AN	ISDN Trunk Directory Number Assignment	3-52			

Equal Access Accommodation

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +AC	OCC Table Assignment	1-1-67			
Alt +AC	OCC Table to Trunk Group Assignment	5-03			
Alt +AC	8-Digit Matching Table to OCC Table Assignment	1-1-68			
Alt +AC	*Code Restriction Class Assignment (Day Mode)	4-07			
Alt +AC	*Code Restriction Class Assignment (Night Mode)	4-08			
Alt +AC	8-Digit Matching Table to Class Assignment	1-1-61			

External Tone Ringer

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BP	General Purpose Relay Assignment	1-8-37			
Alt +BN	≭ ECR Relay to Tenant Assignment	2-08			
Alt +BP	External Ring Relay Cycle Selection	1-7-07			

External Zone Paging (Meet-Me)

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BA	Access Code (1-, 2-, or 3-Digit) Assignment	1-1-46/47/48	074 ~ 079, 081		
Alt +BP	General Purpose Relay Assignment	1-8-37			
Alt +BP	External Speaker Connection Selection	1-7-02			
Alt +BP	External Paging Alert Tone Selection	1-7-03			
Alt +BP	External Speaker Pre-Tone/Chime Selection	1-7-08			
Alt +BP	External Speaker Chime Start Time Selection	1-7-09			
Alt +BP	External Paging Timeout Selection	1-7-06			
Alt +BTM	Line Key Selection for Telephone Mode	4-12			
Alt +BTD	Attendant Add-On Console Key Assignment	1-6-05			
Alt +BN	Line Key Selection	2-05			
Alt +BN	Line Key Selection for Tenant Mode	2-06			

Feature Access - User Programmable

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTM	Line Key Selection for Telephone Mode	4-12			

Flexible Line Assignment

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTM	Line Key Selection for Telephone Mode	4-12			
Alt +BTM	Multiline Terminal Type Selection	4-50			

Flexible Numbering Plan

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BS	2-, 3-, or 4-Digit Station Numbering Selection	1-2-03			
Alt +BA	Access Code (1- or 2-Digit) Assignment	1-1-46/47	001		
Alt +BS	Station Number Assignment	4-10			

Flexible Ringing Assignment

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTM	Line Key Selection for Telephone Mode	4-12			
Alt +BTT	CO/PBX Ring Assignment (Day Mode)	4-01			
Alt +BTT	CO/PBX Ring Assignment (Night Mode)	4-02			
Alt +BTT	CO/PBX Answer Key Operation Without Ringing Assignment (Day Mode)	4-52			
Alt +BTT	CO/PBX Answer Key Operation Without Ringing Assignment (Night Mode)	4-53			
Alt +BTM	Extension Line Key Ring Assignment (Day Mode)	4-37			
Alt +BTM	Extension Line Key Ring Assignment (Night Mode)	4-38			
Alt +BTP	Doorphone Chime Assignment (Day Mode)	4-03			
Alt +BTP	Doorphone Chime Assignment (Night Mode)	4-04			
Alt +BTS	Distinctive Ring byTelephone or CO Selection	1-1-28			
Alt +BCT	CO/PBX Ringing Variation Selection	3-07			
Alt +BTM	Telephone Ringing Variation Selection	4-91			
Alt +BI	Intercom Ring Pattern Selection	1-2-19			
Alt +BI	Intercom Ring Tone Selection	1-2-20			
Alt +BTM	★ Off-Hook Ringing Selection	4-51			

Flexible Timeouts

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +AU	Automated Attendant Answer Delay Time Assignment	1-4-13			
Alt +AU	Automated Attendant First Digit PBR Release Time Selection	1-4-01			
Alt +AU	Automated Attendant No Answer Disconnect Time Selection	1-4-03			
Alt +AU	Automated Attendant Transfer Delayed Ringing Time Selection	1-4-02			
Alt +BCM	CO/PBX Prepause Time Selection	1-1-57			
Alt +BCM	DP Interdigit Time Selection	1-1-01			
Alt +BCM	Hookflash Time Selection	1-1-02			
Alt +BCM	Pause Time Selection	1-1-00			
Alt +BCT	Automatic Release Signal Detection Time Selection	3-40			
Alt +BCT	Disconnect Recognition Time Selection	3-33			
Alt +BCT	Trunk DTMF Duration/Interdigit Selection	3-15			
Alt +BCT	Tie Line CO/PBX Incoming Signal Detect Time Selection	3-19			
Alt +AR	First Delay Announcement Start Time Selection	1-1-71			
Alt +AR	First to Second Delay Announcement Interval Time Selection	1-1-73			
Alt +AR	Second Delay Announcement Repeat Interval Time Selection	1-1-75			
Alt +BP	External Paging Timeout Selection	1-7-06			
Alt +BM	Automatic Callback Release Time Selection	1-2-02			
Alt +BM	Call Forward – No Answer Time Selection	1-2-22			
Alt +BM	CO/PBX Incoming Ringing Alarm Time Selection	1-1-06			
Alt +BM	PBR Interdigit Release Time Selection	1-8-10			
Alt +BM	Start Time Selection	1-1-05			
Alt +BM	System Refresh Time Assignment	1-8-11			
Alt +BM	Trunk Queuing Timeout Selection	1-1-37			

Flexible Timeouts (continued)

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +ALM	Tie Line Incoming Interdigit Timeout Selection	3-24			
Alt +ALM	Tie Line Length of Delay Signal Selection	3-22			
Alt +ALM	Tie Line Length of Wink Signal Selection	3-21			
Alt +ALM	Tie Line Loop Off-Guard Time Selection	3-20			
Alt +BP	Internal Paging Timeout Selection	1-2-00			
Alt +ALM	Tie Line Answer Detect Time Selection	3-17			
Alt +ALM	Tie Line Prepause Time Selection	3-16			
Alt +ALM	Tie Line Release Detect Time Selection	3-18			
Alt +ALM	Tie Line Wink/Delay Signal Detect Timeout Selection	3-25			
Alt +BM	Attendant Add-On Console Transfer/Camp-On Recall Time Selection	1-1-64			
Alt +BM	Hold Recall Time Selection (Exclusive)	1-1-63			
Alt +BM	Hold Recall Time Selection (Non-Exclusive Hold)	1-1-03			
Alt +BM	Station Transfer/Camp-On Recall Time Selection	1-1-12			
Alt +BM	System Call Park Recall Time Selection	1-2-23			
Alt +BTI	Bounce Protect Time Selection	1-3-01			
Alt +BTI	First Digit PBR Release Time Selection	1-3-03			
Alt +BTI	Hookflash End Time Selection	1-3-06			
Alt +BTI	Hookflash Start Time Selection	1-3-05			
Alt +AS	SMDR Valid Call Time Assignment	1-5-25			
Alt +ALM	Tie Line Delay Ringing Time Selection	1-1-07			
Alt +AT	Tandem Transfer Automatic Disconnect Time Selection	1-4-00			
Alt +AV	Voice Mail Disconnect Time Selection	1-3-09			
Alt +AV	Voice Mail DTMF Delay Time Selection	1-3-08			
Alt +AV	Voice Mail DTMF Duration/Interdigit Time Selection	1-3-10			

Full Handsfree Operation

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTM	*HFU Selection	4-29			

General Purpose Relay

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BP	General Purpose Relay Assignment	1-8-37			
Alt +BN	≭ ECR Relay to Tenant Assignment	2-08			
Alt +BP	External Ring Relay Pattern Selection	1-7-07			
Alt +BTD	Attendant Add-On Console Key Selection	1-6-05			

Group Listening

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTS	★ Class of Service (Station) Feature Selection 2	1-8-08			5-2
Alt +BTT	Station to Class of Service Feature Assignment	4-17			

Handset Mute

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTM	Line Key Selection for Telephone Mode	4-12			

Uniform Numbering Network

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BA	*Access Code (1-, 2-, or 3-Digit) Assignment	1-1-46/47/48	401 ~ 416		
Alt +BS	Station Number Assignment	4-10			
Alt +BCT	Trunk (Installed, DP/DTMF) Selection	3-92			
Alt +BCT	Trunk-to-Trunk Group Assignment	3-03			
Alt +BCS	Route Advance Block Assignment	1-1-30			
Alt +BCS	*Networking Trunk Group/Route Advance Assignment	1-1-49			
Alt +BCS	*CO/PBX Outgoing Digit Add Assignment	1-1-50			
Alt +ALN	Tie Line Networking Tandem Connection Assignment	5-01			
Alt +ALN	Digit Add/Del for Tie Line Networking Assignment	5-00			

Handsfree Answerback

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BI	Intercom Call Voice/Tone Signal Selection	1-2-01			
Alt +BTD	DSS Call Voice/Tone Signal Selection	1-6-03			
Alt +BA	Intercom Feature access Code Assignment	1-2-24	001		
Alt +BTM	Line Key Selection for Telephone Mode	4-12			

Headset Connection

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTM	≭ Line Key Selection for Telephone Mode	4-12			

Hold with Recall (Exclusive and Non-Exclusive)

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BM	Hold Recall Time Selection (Non-Exclusive Hold)	1-1-03			
Alt +BM	Hold Recall Time Selection (Exclusive)	1-1-63			
Alt +BTM	Hold/Transfer Recall Display Selection	4-30			

Hot Line

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BA	Access Code (1-, 2-, or 3-Digit) Assignment	1-1-46/47/48	001 101~ 132, 176~199, 201~216, 401~416		
Alt +BTT	★ Prime Line/Hot Line Assignment	4-23			

Howler Tone Service

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BI	*Tone Assignment	1-8-15			

I-Hold Indication

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BM	Hold Recall Time Selection (Non-Exclusive Hold)	1-1-03			
Alt +BM	Hold Recall Time Selection (Exclusive)	1-1-63			
Alt +BM	Station Transfer/Camp-On Recall Time Selection	1-1-12			
Alt +BM	Attendant Add-On Console Transfer/Camp-On Recall Time Selection	1-1-64			

Incoming Call Identification

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BCT	*Trunk Name/Number Assignment	3-00			
Alt +BTT	Station Name Assignment	4-18			

Incoming Trunk Name or Number Display

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTS	Class of Service (Station) Feature Selection 2	1-8-08			4-3, 4-4
Alt +BTT	Station to Class of Service Feature Assignment	4-17			
Alt +BCT	★ Trunk Name/Number Assignment	3-00			
Alt +AI	Caller ID Display Assignment for System Mode	1-1-78			
Alt +AI	Caller ID Display Assignment for CO/PBX Line	3-44			

Internal Voice/Tone Signaling

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BI	Intercom Call Voice/Tone Signal Selection	1-2-01			
Alt +BTD	DSS Call Voice/Tone Signal Selection	1-6-03			
Alt +BA	Intercom Feature Access Code Assignment	1-2-24	001		

Internal Zone Paging (Meet-Me)

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BA	Access Code (1-, 2-, or 3-Digit) Assignment	1-1-46/47/48	070 ~ 074, 081		
Alt +BTM	≭ Internal Zone Paging Selection	4-93			
Alt +BTT	Receiving Internal/All Call Page Selection	4-31			
Alt +BP	Internal Paging Alert Tone Selection	1-2-25			
Alt +BP	Internal Paging Timeout Selection	1-2-00			

ISDN -BRI Trunk Connections

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BS	Card Interface Slot Assignment	7-1			
Alt +AD	*Master Clock Selection	1-8-33			
Alt +AN	★ ISDN Line SPID Assignment	3-50			
Alt +AN	≭ ISDN Trunk Directory Number Assignment	3-52			
Alt +AN	ISDN DTMF Duration/Interdigit Selection	1-1-80			
Alt +AI	Caller Name Indication Selection	3-53			
Alt +BCT	Automatic Release Selection	3-39			
Alt +BCT	Trunk Internal Transmit Pad Selection	3-29			
Alt +BCT	Trunk Internal Receive Pad Selection	3-30			
Alt +BCT	Trunk External Transmit Pad Selection	3-31			
Alt +BCT	Trunk External Receive Pad Selection	3-32			
Alt +BTM	Line Key Selection for Telephone Mode	4-12			
Alt +BTT	CO/PBX Ring Assignment (Day Mode)	4-01			
Alt +BTT	CO/PBX Ring Assignment (Night Mode)	4-02			
Alt +BTM	Extension Line Key Ring Assignment (Day Mode)	4-37		_	

ISDN -BRI Trunk Connections (continued)

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTM	Extension Line Key Ring Assignment (Night Mode)	4-38			

ISDN - PRI Trunk Connections

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BS	*Card Interface Slot Assignment	7-1			
Alt +AD	*Master Clock Selection	1-8-33			
Alt +AN	*PRT Channel Assignment	1-13-00			
Alt +AN	*PRT Signal Format Selection	1-13-01			
Alt +AN	*Clear Channel Selection	1-13-02			
Alt +AN	★ ISDN Trunk Directory Number Assignment	3-52			
Alt +AN	ISDN DTMF Duration/Interdigit Selection	1-1-80			
Alt +BCT	Trunk (Installed, DP/DTMF) Selection	3-92			
Alt +BCT	Trunk Type Selection	3-91			
Alt +BCT	Trunk Internal Transmit Pad Selection	3-29			
Alt +BCT	Trunk Internal Receive Pad Selection	3-30			
Alt +BCT	Trunk External Transmit Pad Selection	3-31			
Alt +BCT	Trunk External Receive Pad Selection	3-32			
Alt +BTM	Line Key Selection for Telephone Mode	4-12			
Alt +BTT	CO/PBX Ring Assignment (Day Mode)	4-01			
Alt +BTT	CO/PBX Ring Assignment (Night Mode)	4-02			
Alt +BTM	Extension Line Key Ring Assignment (Day Mode)	4-37			
Alt +BTM	Extension Line Key Ring Assignment (Night Mode)	4-38			
Alt +BA	Access Code (1-, 2-, or 3-Digit) Assignment	1-1-46~48	201~216		

ISDN – PRI Trunk Connections (continued)

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BCS	Route Advance Block Assignment	1-1-30			
Alt +AY	Call by Call Service Selection	1-13-03			
Alt +AY	Call by Call Type of Network ID Assignment	1-10-00			
Alt +AY	Call By Call ID Plan Assignment	1-10-01			
Alt +AY	Call by Call Type of Number Assignment	1-10-02			
Alt +AY	Call by Call Numbering Plan ID Assignment	1-10-03			
Alt +AY	Call by Call Network ID Assignment	1-10-04			
Alt +AY	Call by Call Facility Coding Value Assignment (Service)	1-10-05			
Alt +AY	Call by Call Facility Coding Value Assignment (Feature)	1-10-06			
Alt +AY	Call by Call Service Parameter Assignment	1-10-07			
Alt +AY	Call by Call Max Digit Assignment	1-10-08			
Alt +AY	Call by Call Simulated Facility Group Assignment	1-10-09			
Alt +AY	Call by Call Outgoing SFG Assignment	1-10-20			
Alt +AY	Call by Call Outgoing/Incoming SFG Assignment	1-10-21			
Alt +AY	Call by Call Incoming Type Selection	1-10-22			

Least Cost Routing (LCR)

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BS	★ Card Interface Slot Assignment	7-1			
Alt +BS	★ MIF (LCR) Assignment	7-3-01			
Alt +BA	*Access Code (1-, 2-, or 3-Digit) Assignment	1-1-46/47/48	101		
Alt +BTS	Class of Service (Station) Feature Selection 2	1-8-08			3-4
Alt +BTT	*LCR Class Selection	4-40			
Alt +BTT	Station to Class of Service Feature Assignment	4-17			

Least Cost Routing (LCR) (continued)

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BCT	Trunk Type Selection	3-91			
Alt +BCT	★ Trunk-to-Trunk Group Assignment	3-03			
Alt +BI	Tone Assignment	1-8-15	Tone Table 10		

Live Monitoring

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BS	Card Interface Slot Assignment	7-1			
Alt +BTM	Line Key Selection for Telephone Mode	4-12			
Alt +BTS	*Class of Service (Station) Feature Selection 2	1-8-08			5-6

Message Display Board

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BS	Card Interface Slot Assignment	7-1			
Alt +BS	Telephone Type Assignment	7-2			
Alt +BTB	Display Board LED Assignment	1-6-07			

Message Waiting

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTD	Attendant Add-On Console to Telephone Port Assignment	1-6-01			
Alt +BTD	Attendant Add-On Console Key Selection	1-6-05			

Microphone Control

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTM	Line Key Selection for Telephone Mode	4-12			

Multiline Conference Bridge

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BS	Card Interface Slot Assignment	7-1			
Alt +BTI	Voice Mail/SLT Selection	4-35			
Alt +BS	Station Number Assignment	4-10			
Alt +BTT	Intercom Master Hunt Number Selection	4-14			
Alt +BTT	Intercom Master Hunt Number Forward Assignment	4-15			
Alt +BTT	Station Name Assignment	4-18			
Alt +BCT	DIT Assignment	3-42			
Alt +BCT	ANA Assignment	3-43			

Multilingual LCD Indication

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTM	*Multilingual LCD Indication Selection	4-28			
Alt +BTT	Station Name Assignment	4-18			
Alt +BI	Customized Message 1~10 Assignment	1-2-09 ~ 18			

Multiple Trunk Groups

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BCT	Trunk-to-Trunk Group Assignment	3-03			
Alt +BA	Access Code (1-, 2-, or 3-Digit) Assignment	1-1-46/47/48	101 ~ 132		

Music on Hold

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BCS	Hold Tone Source Assignment	1-8-31			
Alt +BCS	Music on Hold Pattern Selection	1-8-09			
Alt +BCS	Hold Internal Tone Volume Selection	1-8-32			
Alt +BCT	CO External Source Selection	3-11			
Alt +BCT	CO External Hold Memory Selection	3-12			
Alt +AU	Automated Attendant Delay Announcement Hold Tone section	1-4-17			

Night Call Pickup

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BN	ECR Relay to Tenant Assignment	2-08			
Alt +BA	Access Code (1-, 2-, or 3-Digit) Assignment	1-1-46/47/48	058		

Night Chime

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BS	Card Interface Slot Assignment	7-1			
Alt +BP	External Ring Relay Cycle Selection	1-7-07			
Alt +BN	★ ECR Relay to Tenant Assignment	2-08			

Night Transfer

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTS	Class of Service (Attendant) Feature Selection 1	1-8-07		1-1, 1-2,	
Alt +BTT	Station to Class of Service Feature Assignment	4-17			
Alt +BTT	Telephone to Tenant Assignment	4-09			
Alt +BTM	Line Key Selection for Telephone Mode	4-12			
Alt +BTT	CO/PBX Ring Assignment (Day Mode)	4-01			
Alt +BTT	CO/PBX Ring Assignment (Night Mode)	4-02			
Alt +BTM	Extension Line Key Ring Assignment (Day Mode)	4-37			
Alt +BTM	Extension Line Key Ring Assignment (Night Mode)	4-38			
Alt +BN	Trunk to Tenant Assignment	2-01			

Night Transfer (continued)

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTD	Attendant Add-On Console Key Selection	1-6-05			
Alt +BCT	Trunk-to-Trunk Group Assignment	3-03			
Alt +BCT	DIT Assignment	3-42			
Alt +BCT	ANA Assignment	3-43			
Alt +AC	Code Restriction Class Assignment (Day Mode)	4-07			
Alt +AC	Code Restriction Class Assignment (Night Mode)	4-08			

Off-Hook Ringing

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTS	★ Off-Hook Ringing Selection	4-51			

PC Programming

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BS	Card Interface Slot Assignment	7-1			
Alt +BS	MIF (SMDR) Assignment	7-3-02			
Alt +BS	MIF (LCR) Assignment	7-3-01			
Alt +CSS	COM Port Parity/Stop Bit Setting Assignment	1-8-36			
Alt +CSS	COM Port Baud Rate Setting Assignment	1-8-35			
Alt +CSS	Modem Port for Remote Programming Assignment	1-8-38			
Alt +CSN	Site Name Assignment	1-8-18			
Alt +CSP	PC Programming Password Assignment	1-8-17			

Pooled Line (Outgoing)

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BCT	Trunk-to-Trunk Group Assignment	3-03			
Alt +BTM	*Line Key Selection for Telephone Mode	4-12			
Alt +BN	Line Key Selection	2-05			
Alt +BN	Line Key Selection for Tenant Mode	2-06			

Preset Dialing

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTS	*Class of Service (Station) Feature Selection 2	1-8-08			5-5
Alt +AI	Caller ID Preset Dial Outgoing CO Selection	4-44			

Prime Line Assignment

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BA	Access Code (1-, 2-, or 3-Digit) Assignment	1-1-46/47/48	101 ~ 132, 176~199, 201~216, 401~416		
Alt +BTT	★ Prime Line/Hot Line Assignment	4-23			

Privacy Release

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key		
Alt +BN	Trunk to Tenant Assignment	2-01					
Alt +BN	Line Key Selection	2-05					
Alt +BTT	Telephone to Tenant Assignment	4-09					
Alt +BN	Line Key Selection for Tenant Mode	2-06					
Alt +BTM	Line Key Selection for Telephone Mode	4-12					
	One Touch and Feature Access keys are programmable through SAT but not using system programming.						

Private Lines

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BCS	★ Private Line Assignment	1-1-29			

Quick Transfer to Voice Mail

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BA	Intercom Feature Access Code Assignment	1-2-24	007		
Alt +AV	*Voice Mail Quick Transfer Master Hunt Number	1-8-26			

Recall Key

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BCM	*Hookflash Time Selection	1-1-02			
Alt +BM	Class of Service (Station) Feature Selection 2	1-8-08			4-1
Alt +BTT	Station to Class of Service Feature Assignment	4-17			

Recall With Station Identification

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BM	Class of Service (Station) Feature Selection 2	1-8-08			4-1
Alt +BM	Hold Recall Time Selection (Non Exclusive Hold)	1-1-03			
Alt +BM	Station Transfer/Camp-On Recall Time Selection	1-1-12			
Alt +BM	System Call Park Recall Time Selection	1-2-23			
Alt +BM	Hold Recall Time Selection (Exclusive)	1-1-63			
Alt +BM	Attendant Add-On Console Transfer/Camp-On Recall Time Selection	1-1-64			
Alt +BM	Attendant Add-On Console to Telephone Port Assignment	1-6-01			
Alt +BTM	Hold/Transfer Recall Display Selection	4-30			

Remote Programming

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +CSS	*Modem Number for Remote Programming Assignment	1-8-38			
Alt +BCT	DIT Assignment	3-42			
Alt +BCT	ANA Assignment	3-43			

Restriction (Outgoing)

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTT	≭ Trunk Outgoing Restriction	4-19			

Ring Tone Variation

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTS	Distinctive Ringing byTelephone or CO Selection	1-1-28			
Alt +BCT	CO/PBX Ringing Variation Selection	3-07			
Alt +BTM	Telephone Ringing Variation Selection	4-91			

Ringing Line Preference

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTM	*Ringing Line Preference Selection	4-11			
Alt +BTM	SIE/CAR Ringing Line Preference Selection	4-41			
Alt +BTS	Class of Service (Station) Feature Selection 2	1-8-08			3-2
Alt +BTT	Station to Class of Service Feature Assignment	4-17			

Route Advance Block

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BCT	Trunk-to-Trunk Group Assignment	3-03			
Alt +BCS	★ Route Advance Block Assignment	1-1-30			
Alt +BA	Access Code (1-, 2-, or 3-Digit) Assignment	1-1-46/47/48	201 ~ 216		
Alt +BTM	≭ Line Key Selection for Telephone Mode	4-12			
Alt +BN	Line Key Selection	2-05			
Alt +BN	Line Key Selection for Tenant Mode	2-06			

Scrolling Directories

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BE	Speed Dial Number/Name Display Selection	1-1-33			
Alt +BE	Speed Dial Buffer Allocation	1-1-35			
Alt +BN	System Speed Dial Display Assignment	2-07			
Alt +AC	System Speed Dial Restriction by Tenant	1-1-18			

Secondary Incoming Extension

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTM	≭ Line Key Selection for Telephone Mode	4-12			
Alt +BTM	≭ Extension Line Key Ring Assignment (Day Mode)	4-37			
Alt +BTM	★ Extension Line Key Ring Assignment (Night Mode)	4-38			
Alt +BTM	SIE/CAR Ringing Line Preference Selection	4-41			
Alt +BN	Line Key Selection	2-05			
Alt +BN	Line Key Selection for Tenant Mode	2-06			

Seized Trunk Name/Number Display

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BCT	≭ Trunk Name/Number Assignment	3-00			

Simplified Call Distribution

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +AA	SCD (Simplified Call Distribution) Pilot Number Assignment	1-8-29			
Alt +AA	SCD Group Agent Assignment	1-8-30			
Alt +BCT	DIT Assignment	3-42			
Alt +BCT	ANA Assignment	3-43			

Single Line Telephone (SLT) Access

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BS	*Card Interface Slot Assignment	7-1			
Alt +BTI	Voice Mail/SLT Selection	4-35			
Alt +BTI	DTMF/DP SLT Type Selection	4-95			
Alt +BTI	SLT Hookflash Assignment	4-24			
Alt +BTI	Dial 1 (DP) Hookflash Selection	1-3-04			
Alt +BTI	SLT Hookflash Signal Selection	1-3-02			
Alt +BTI	SLT or Automated Attendant/DISA to PBR Selection	1-8-01			
Alt +BTI	First Digit PBR Release Time Selection	1-3-03			
Alt +BTI	Hookflash Start Time Selection	1-3-05			
Alt +BTI	Hookflash End Time Selection	1-3-06			
Alt +BTI	Bounce Protect Time Selection	1-3-01			
Alt +BTT	Station Name Assignment	4-18			
Alt +BTT	Telephone to Tenant Assignment	4-09			
Alt +BTT	SLT Data Line Security Assignment	4-90			
Alt +BTT	CO/PBX Ring Assignment (Day Mode)	4-01			
Alt +BTT	CO/PBX Ring Assignment (Night Mode)	4-02			
Alt +BCT	DIT Assignment	3-42			
Alt +BCT	ANA Assignment	3-43			

SLT Adapter

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BS	*Telephone Type Assignment	7-2			
Alt +BS	Station Number Assignment	4-10			

SLT Timed Alarm

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTS	Class of Service (Attendant) Feature Selection 1	1-8-07		2-1	
Alt +BTS	Class of Service (Station) Feature Selection 2	1-8-08			1-6
Alt +BTT	Station to Class of Service Feature Assignment	4-17			
Alt +BA	Access Code (1-, 2-, or 3-Digit) Assignment	1-1-46/47/48	044~046,		

Speed Dial Station

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BE	Speed Dial Buffer Allocation	1-1-35			
Alt +BE	Speed Dial Number/Name Display Selection	1-1-33			
Alt +BTM	Line Key Selection for Telephone Mode	4-12			
Alt +BA	Access Code (1-, 2-, or 3-Digit) Assignment	1-1-46/47/48	090, 095		

Speed Dial Stored Characters

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BE	Speed Dial Number/Name Display Selection	1-1-33			
Alt +BN	System Speed Dial Display Assignment	2-07			

Speed Dial System

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BE	Speed Dial Buffer Allocation	1-1-35			
Alt +BE	Speed Dial Number/Name Display Selection	1-1-33			
Alt +AC	System Speed Dial Restriction by Tenant	1-1-18			
Alt +BTS	Class of Service (Attendant) Feature Selection 1	1-8-07		1-3	
Alt +BTT	Station to Class of Service Feature Assignment	4-17			
Alt +AC	System Speed Dial Override by Class Selection	1-1-62			
Alt +BN	System Speed Dial Display Assignment	2-07			
Alt +BA	Access Code (1-, 2-, or 3-Digit) Assignment	1-1-46/47/48	090, 095		

Station Hunting

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTT	★ Intercom Master Hunt Number Selection	4-14			
Alt +BTT	★Intercom Master Hunt Number Forward Assignment	4-15			
Alt +AA	SCD (Simplified Call Distribution) Pilot Number Assignment	1-8-29			
Alt +AA	SCD Group Agent Assignment	1-8-30			

Station Message Detail Recording (SMDR)

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BS	Card Interface Slot Assignment	7-1			
Alt +BS	MIF (SMDR) Assignment	7-3-02			
Alt +BS	MIF (LCR) Assignment	7-3-01			
Alt +AS	*Printer Connected Selection	1-5-13			
Alt +AS	Printer Line Feed Control Selection	1-5-14			
Alt +AS	SMDR Incoming/Outgoing Print Selection	1-5-26			
Alt +AS	SMDR Valid Call Time Assignment	1-5-25			
Alt +AS	SMDR Print Format	1-5-02			
Alt +CSS	COM Port Baud Rate Setting Assignment	1-8-35			
Alt +BM	Start Time Selection	1-1-05			
Alt +AS	SMDR Telephone Print Selection	4-56			

Station Outgoing Lockout

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTS	Class of Service (Attendant) Feature Selection 1	1-8-07		2-4	
Alt +BTS	Class of Service (Station) Feature Selection 2	1-8-08			2-3
Alt +BTT	Station to Class of Service Feature Assignment	4-17			
Alt +BA	*Access Code (1-, 2-, or 3-Digit) Assignment	1-1-46/47/48	035 ~ 038		
Alt +AC	Code Restriction Class Assignment when Lockout is Set	1-1-70			

Station Relocation

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTS	Class of Service (Attendant) Feature Selection 1	1-8-07		3-1	
Alt +BTS	Class of Service (Station) Feature Selection 2	1-8-08			5-3
Alt +BTT	Station to Class of Service Feature Assignment	4-17			
Alt +BA	*Access Code (1-, 2-, or 3-Digit) Assignment	1-1-46/47/48	148		

Station Transfer

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTS	System Transfer/Camp-On Selection	1-1-11			
Alt +BCS	CO Transfer Ring Pattern Selection	1-1-13			
Alt +BCS	CO Transfer Ring Tone Selection	1-1-14			
Alt +BM	System Transfer/Camp-On Recall Time Selection	1-1-12			

Step Call

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BA	Intercom Feature Access Code Assignment	1-2-24	002		

Stored Hookflash

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BCM	Hookflash Time Selection	1-1-02			

Synchronous Ringing

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BCS	Synchronous Ringing Selection	1-1-59			

T1 Connection

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BS	Card Interface Slot Assignment	7-1			
Alt +AD	*Master Clock Selection	1-8-33			
Alt +BN	Trunk to Tenant Assignment	2-01			
Alt +BCT	Trunk-to-Trunk Group Assignment	3-03			
Alt +AD	*Signal Format Selection	1-11-00			
Alt +AD	*Clear Channel Selection	1-11-01			
Alt +AD	Line Length Selection	1-11-02			
Alt +AD	★ T1 Channel Selection	1-11-05			
Alt +AD	*DTI Trunk Type Assignment	1-11-07			
Alt +AD	*Signaling Selection	1-11-06			
Alt +ALT	≭ Tie Line Type Assignment	3-14			

Tandem Switching of 4-Wire E&M Tie Lines

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +ALN	Tie Line Networking Tandem Connection Assignment	5-01			
Alt +BCT	Trunk Internal Transmit Pad Selection	3-29			
Alt +BCT	Trunk Internal Receive Pad Selection	3-30			
Alt +BCT	Trunk External Transmit Pad Selection	3-31			
Alt +BCT	Trunk External Receive Pad Selection	3-32			
Alt +AT	Tandem Transfer Automatic Disconnect Time Selection	1-4-00			

Tenant Service

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BN	Trunk to Tenant Assignment	2-01			
Alt +BTT	Telephone to Tenant Assignment	4-09			
Alt +BN	Line Key Selection	2-05			
Alt +BN	Line Key Selection for Tenant Mode	2-06			
Alt +BN	System Speed Dial Display Assignment	2-07			
Alt +BN	ECR Relay to Tenant Assignment	2-08			
Alt +AU	Automated Attendant Message to Tenant Assignment	1-4-12			

Three-Minute Reminder

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTM	★ 3-Minute Alarm Selection	4-94			

Tone Override

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTS	Class of Service (Station) Feature Selection 2	1-8-08			1-8, 3-3
Alt +BTT	Station to Class of Service Feature Assignment	4-17			
Alt +BTT	SLT Data Line Security Assignment	4-90			

Trunk Queuing

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTS	Class of Service (Station) Feature Selection 2	1-8-08			1-2
Alt +BTT	Station to Class of Service Feature Assignment	4-17			
Alt +BT	Trunk Queuing Timeout Selection	1-1-37			

Trunk-to-Trunk Transfer

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BCT	★ Trunk-to-Trunk Transfer Yes/No Selection	3-04			
Alt +BTS	*Class of Service (Attendant) Feature Selection 1	1-8-07		1-7	
Alt +BTS	★ Class of Service (Station) Feature Selection 2	1-8-08			3-5
Alt +BTT	Station to Class of Service Feature Assignment	4-17			
Alt +AT	Tandem Transfer Automatic Disconnect Time Selection	1-4-00			

Uniform Call Distribution (UCD)

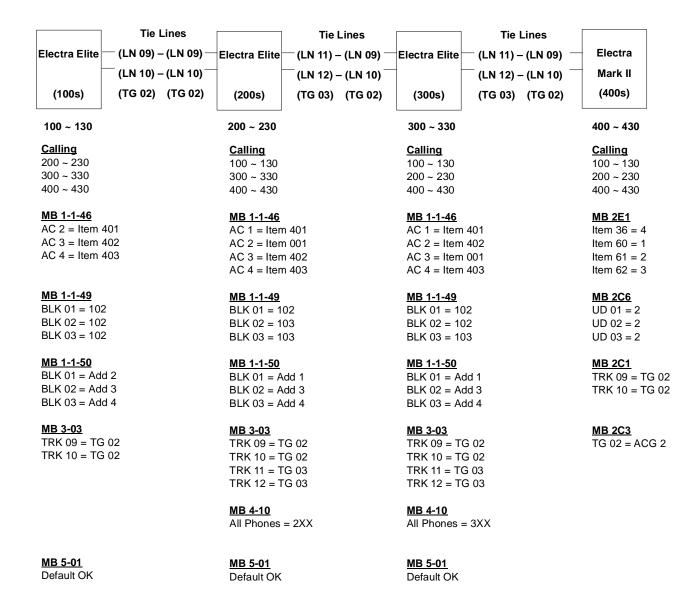
Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BS	Card Interface Slot Assignment	7-1			
Alt +BS	MIF (UCD) Assignment	7-3-03			
Alt +BA	*Access Code (1-, 2-, or 3-Digit) Assignment	1-1-46/47/48	031, 032, 040		
Alt +AA	*ACD/UCD Group Pilot Number Assignment	1-12-00			
Alt +AA	*ACD/UCD Group Agent Assignment	1-8-25			
Alt +BTS	Class of Service (Station) Feature Selection 2	1-8-08			1-4,1-5
Alt +BTT	Station to Class of Service Feature Assignment	4-17			
Alt +AA	ACD/UCD Group Overflow Destination Assignment	1-12-01			
Alt +AA	ACD/UCD Group Overflow Time Selection	1-12-02			
Alt +BCT	DIT Assignment	3-42			
Alt +BCT	ANA Assignment	3-43			
Alt +BTM	Line Key Selection for Telephone Mode	4-12			
Alt +BTM	Extension Line Key Ring Assignment (Day Mode)	4-37			
Alt +BTM	Extension Line Key Ring Assignment (Night Mode)	4-38			
Alt +BTS	Barge-In Alert Tone Assignment	1-1-76			
Alt +AA	ACD Hunt Time	1-8-40			
Alt +BM	Call Forward- No Answer Time Selection	1-2-22			

Closed Numbering Plan Example

The diagram below provides an example of Memory Blocks that are programmed for a Closed Numbering Plan.

Abbreviations used in the diagram:

AC = Access Codes BLK = Block MB = Memory Block TRK = Trunk
ACG = Access Item Code LN = Line TG = Trunk Group UD = Uniform Dial



Programming Manual

Open Numbering Plan Example

The diagram below provides an example of Memory Blocks that would be programmed for an Open Numbering Plan.

Abbreviations used in the diagram:

 $\begin{array}{ll} AC = Access \ Codes & TBL = Table \\ BLK = Block & TRK = Trunk \\ MB = Memory \ Block & TG = Trunk \ Group \\ \end{array}$

LN = Line

Tie	e Lines Ti	e Lines	Tie Lines	
Electra Elite (LN 09)) – (LN 09) — Electra Elite — (LN 11) – (LN 09) — Electra Elite	– (LN 11) – (LN 09)	Electra Elite
' '		2) – (LN 10) — 3) (TG 02) System #73	(LN 12) – (LN 10) (TG 03) (TG 02)	System #74
100 ~ 130	100 ~ 130	100 ~ 130		100 ~ 130
Calling 8 72 100 ~ 130 8 73 100 ~ 130 8 74 100 ~ 130	<u>Calling</u> 8 71 100 ~ 130 8 73 100 ~ 130 8 74 100 ~ 130	<u>Calling</u> 8 71 100 ~ 1 8 72 100 ~ 1 8 74 100 ~ 1	30	Calling 8 71 100 ~ 130 8 72 100 ~ 130 8 73 100 ~ 130
MB 1-1-46 AC 8 = Item 000	MB 1-1-46 AC 8 = Item 000	MB 1-1-46 AC 8 = Item	000	MB 1-1-46 AC 8 = Item 000
MB 1-1-47 AC 71 = Item 082 AC 87 = Item 301	MB 1-1-47 AC 71 = Item 401 AC 72 = Item 082 AC 73 = Item 402 AC 74 = Item 403 AC 87 = Item 301	MB 1-1-47 AC 71 = Iten AC 72 = Iten AC 73 = Iten AC 74 = Iten AC 87 = Iten	n 402 n 082 n 403	MB 1-1-47 AC 74 = Item 082 AC 87 = Item 301
MB 1-1-48 TBL 1(#2) = Item 401 TBL 1(#3) = Item 402 TBL 1(#4) = Item 403	MB 1-1-48 TBL 1(#1) = Item 401 TBL 1(#3) = Item 402 TBL 1(#4) = Item 403	TBL 1(#2) =	tem 402	MB 1-1-48 TBL 1(#1) = Item 401 TBL 1(#2) = Item 402 TBL 1(#3) = Item 403
MB 1-1-49 BLK 01 = 102 BLK 02 = 102 BLK 03 = 102	MB 1-1-49 BLK 01 = 102 BLK 02 = 103 BLK 03 = 103	MB 1-1-49 BLK 01 = 10 BLK 02 = 10 BLK 03 = 10	2	MB 1-1-49 BLK 01 = 102 BLK 02 = 102 BLK 03 = 102
MB 1-1-50 BLK 01 = Add 72 BLK 02 = Add 73 BLK 03 = Add 74	MB 1-1-50 BLK 01 = Add 71 BLK 02 = Add 73 BLK 03 = Add 74	MB 1-1-50 BLK 01 = Ad BLK 02 = Ad BLK 03 = Ad	d 72	MB 1-1-50 BLK 01 = Add 71 BLK 02 = Add 72 BLK 03 = Add 73
MB 3-03 TRK 09 = TG 02 TRK 10 = TG 02	MB 3-03 TRK 09 = TG 02 TRK 10 = TG 02 TRK 11 = TG 03 TRK 12 = TG 03	MB 3-03 TRK 09 = TC TRK 10 = TC TRK 11 = TC TRK 12 = TC	G 02 G 03	MB 3-03 TRK 09 = TG 02 TRK 10 = TG 02
MB 5-01 Default OK	<u>MB 5-01</u> Default OK	MB 5-01 Default OK		MB 5-01 Default OK

Universal Slots

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BS	Card Interface Slot Assignment	7-1			
Alt +BS	MIF (ACD) Assignment	7-3-00			
Alt +BS	MIF (LCR) Assignment	7-3-01			
Alt +BS	MIF (SMDR) Assignment	7-3-02			
Alt +BS	MIF (UCD) Assignment	7-3-03			

Unsupervised Conference

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTS	*Class of Service (Station) Feature Selection 2	1-8-08			4-8
Alt +BTT	Station to Class of Service Feature Assignment	4-17			
Alt +AT	Tandem Transfer Automatic Disconnect Time Selection	1-4-00			
Alt +AT	Tandem Transfer SMDR Print Extension Assignment	1-4-04			

VM Message Indication on Line Keys

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BS	Telephone Type Assignment	7-2			
Alt +BTM	Multiline Terminal Type Selection	4-50			
Alt +BTS	Class of Service (Station) Feature Selection 2	1-8-08			6-2
Alt +BTT	Station to Class of Service Feature Assignment	4-17			
Alt +BN	Line Key Selection	2-05			
Alt +BN	Line Key Selection for Tenant Mode	2-06			
Alt +BTM	Line Key Selection for Telephone Mode	4-12			
Alt +BTD	Attendant Add-On Console Key Selection	1-6-05			

Voice Mail Integration (Analog)

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTI	*Voice Mail/SLT Selection	4-35			
Alt +BTT	Intercom Master Hunt Number Selection	4-14			
Alt +BTT	Intercom Master Hunt Number Forward Assignment	4-15			
Alt +AV	Voice Mail Quick Transfer Master Hunt Number	1-8-26			
Alt +BA	Intercom Feature Access Code Assignment	1-2-24	007		
Alt +BTS	Class of Service (Station) Feature Selection 2	1-8-08			1-1, 2-5, 6-2
Alt +BTT	Station to Class of Service Feature Assignment	4-17			
Alt +BA	*Access Code (1-, 2-, or 3-Digit) Assignment	1-1-46/47/48	020 ~ 025, 030, 032~034, 140~143		
Alt +BCT	DIT Assignment	3-42			
Alt +BCT	ANA Assignment	3-43			
Alt +AV	Voice Mail Digit Add Assignment	1-3-07			

Voice Mail Integration (Analog) (continued)

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +AV	Voice Mail DTMF Delay Time Selection	1-3-08			
Alt +AV	Voice Mail DTMF Duration/Interdigit Time Selection	1-3-10			
Alt +AV	Voice Mail Disconnect Time Selection	1-3-09			
Alt +BTI	Bounce Protect Time Selection	1-3-01			
Alt +BTI	Hookflash Start Time Selection	1-3-05			
Alt +BTI	Hookflash End Time Selection	1-3-06			

Voice Over Internet Protocol (VoIP)

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BS	Card Interface Slot Assignment	7-1			
Alt +BCT	Trunk Type Selection	3-91			
Alt +BCT	Trunk-to-Trunk Group Assignment	3-03			
Alt +BCT	Trunk Name/Number Assignment	3-00			
Alt +BA	*Access Code (1-, 2-, or 3-Digit) Assignment	1-1-46/47/48	101~ 132		

Voice Over Split

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BTS	Class of Service (Station) Feature Selection 2	1-8-08			1-8, 3-3
Alt +BTT	Station to Class of Service Feature Assignment	4-17			
Alt +BA	Intercom Feature Access Code Assignment	1-2-24	006		

Voice Prompt

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +AR	VRS Message Recording Time Selection	1-8-12			
Alt +AR	*VRS Message Function Assignment	1-8-13			
Alt +AR	Voice Prompt to Tone Assignment	1-8-16			
Alt +BA	*Access Code (1-, 2-, or 3-Digit) Assignment	1-1-46/47/48	501		
Alt +BTS	Class of Service (Station) Feature Selection 2	1-8-08			2-6
Alt +BTT	Station to Class of Service Feature Assignment	4-17			
Alt +BTT	*Voice Prompt Selection	4-36			

Wireless

Order and Shortcut	System Data Name	Memory Block	Function	1-8-07 Attendant Page- Line Key	1-8-08 Station Page- Line Key
Alt +BS	Card Interface Slot Assignment	7-1			
Alt +AP	PS Telephone Block Assignment	1-2-21			
Alt +BS	Station Number Assignment	4-10			
Alt +BTT	Station Name Assignment	4-18			
Alt +AP	PS Out of Area Time Assignment	1-2-30			
Alt +BTM	Ringing Line Preference Selection	4-11			
Alt +BTS	Class of Service (Station) Feature Selection 2	1-8-08			1-1, 2-5, 3-3, 3-8,
Alt +BTT	Station to Class of Service Feature Assignment	4-17			

Chapter 3 PC Programming

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PC Programming

CHAPTER 3

SECTION 1 GENERAL INFORMATION

This chapter provides detailed information for programming using the Electra Elite System Administration Terminal (SAT) software.

PC requirements:

- Microsoft Windows 95/98/ME/Win2000/NT4.0 or higher/WinXP operating system
- Available serial communication port on PC
- MNP Class 4 or V.42 bis modem (if remote programming is required)

KTS hardware requirements:

MIFM-U10 KTU

SECTION 2 FEATURES OF PC PROGRAMMING

Some of the features of PC programming include:

Wizard – allows a user to select a feature using wizard. *Wizard* prompts the user to program the necessary system data items associated with the feature. When *wizard* is selected, a tabbed list of information is provided.

(For a detailed discussion of *wizard*, refer to Section 4 Wizard on page 3-3.)

System Data Upload/Download – allows system data to be transferred from/to a personal computer to provide backup of data.

SECTION 3 SOFTWARE INSTALLATION

3.1 Installing Electra Elite System Administration Terminal (SAT) Software

- 1. Insert the SAT CD ROM in the CD ROM drive.
- 2. Click the Windows 95/98 Start button.
- 3. Select Run.
- Enter a:\setup.exe and click OK.
 (If installing from CD ROM, enter the letter of the CD ROM drive.)
- 5. Follow the instructions on the PC installation program.
- 6. To start the SAT program:
 - Click the Win 95/98 start button.
 - Select PROGRAMS, NEC Electra Elite SAT.
 - Click Elite System Administration Terminal (SAT).
 - Enter the password. The default password is PASSWORD in uppercase letters.

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SECTION 4 WIZARD

The *Wizard* organizes system data assignments to program single features. When the user selects *Wizard*, the system provides a list of information related to the selected feature.

The Wizard can be accessed by using Wizard from the toolbar or by selecting **Wizard** from the File pulldown menu. Refer to Figure 3-1 Accessing Wizard.



Figure 3-1 Accessing Wizard

When *Wizard* is displayed, the technician can select any feature from the list or can begin entering letters of the feature name. As the name is being entered, Quick Search finds the matching letters and highlights the match.

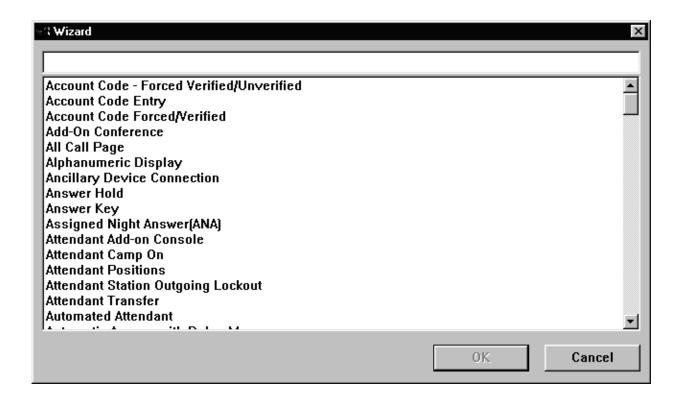


Figure 3-2 Selecting Wizard for a Feature

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When a feature is selected, all system related data items for that feature are presented in sequence. Enter the required values in the current tab and click next to advance to the next tab. Click back to go to previous tab. In Figure 3-3 Sample Wizard, the Account Code Entry feature is selected.

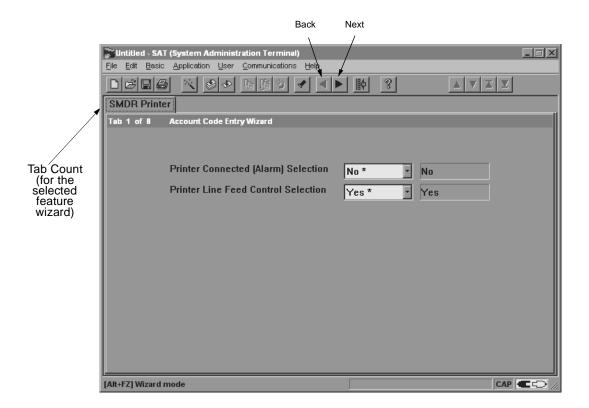


Figure 3-3 Sample Wizard

SECTION 5 PROGRAMMING SCREENS

Main Menu

When the SAT software program is launched, the Main Menu screen is displayed first. This screen allows the user to access the options used to program the Electra Elite system. Figure 3-4 Electra Elite SAT Software Screen Main Menu shows the menu and describes the layout.

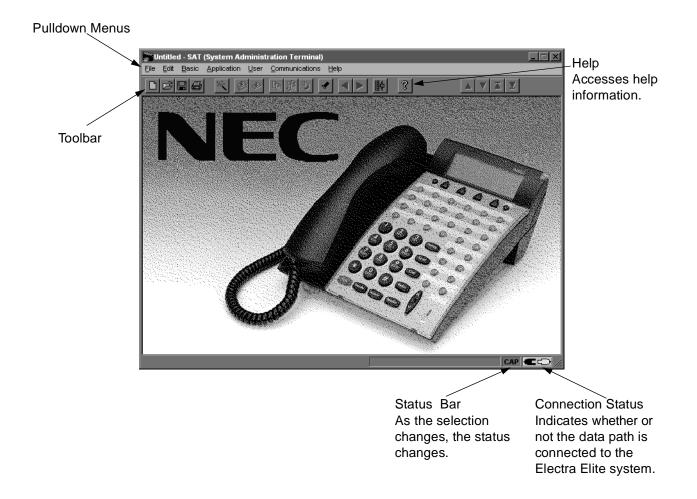


Figure 3-4 Electra Elite SAT Software Screen Main Menu

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Pulldown Menu

Pulldown menus are available for each function involved in programming the Electra Elite system. To access the data associated with the function, click on the function name on the Main Menu. Some of the options on the initial pulldown menu offer several selections. An arrow to the right of the option name indicates additional selections are available. Refer to Figure 3-5 Electra Elite SAT Software Screen Pulldown Menu for an example of a Pulldown Menu.

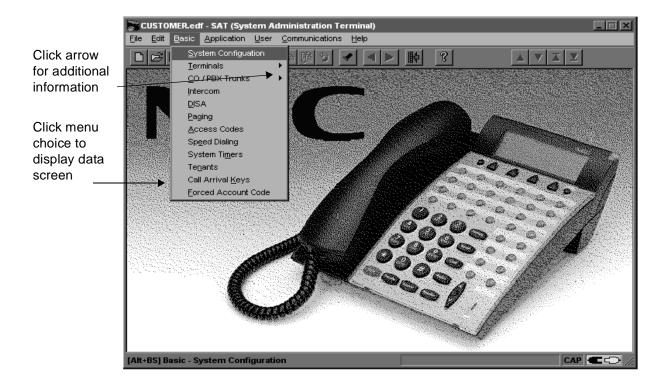


Figure 3-5 Electra Elite SAT Software Screen Pulldown Menu

System Data Screen

When an option is selected from a pulldown menu, a screen is displayed that allows the user to program data for the function selected. Figure 3-6 Electra Elite SAT Software Pulldown Menu Data Screen is an example of a System Data Screen. Screen tabs indicate system data items that are grouped together for programming. The active tab group is indicated by a box around the tab title. To access another tab group, press the tab or use the keyboard shortcut. Keyboard shortcuts are displayed at the bottom of the screen in the Information Bar.

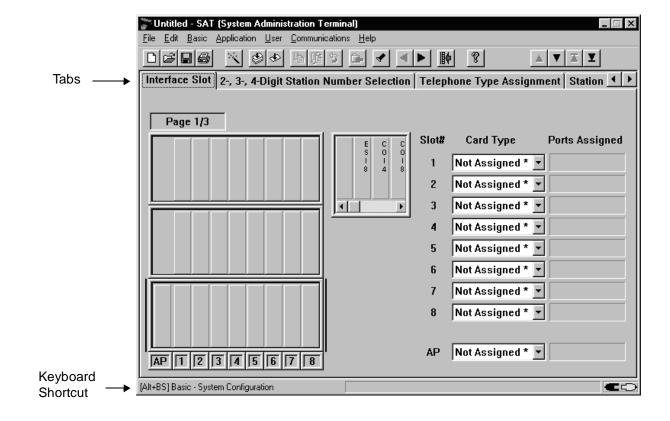
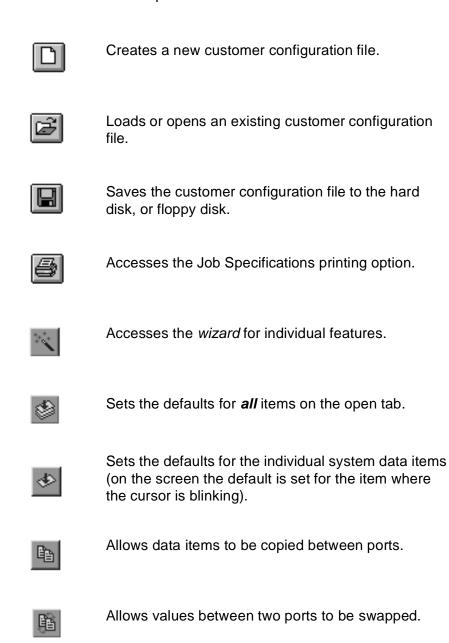


Figure 3-6 Electra Elite SAT Software Pulldown Menu Data Screen

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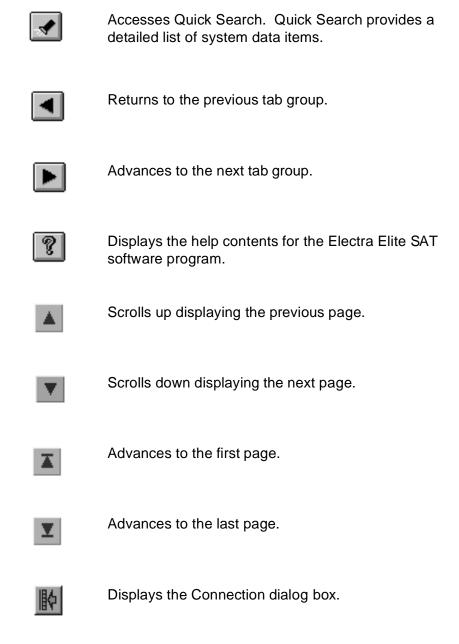
SECTION 6 TOOLBAR

Several icons are provided to allow the user to navigate the program. The icons in the toolbar are explained in this section The availability of the individual tools depends on the activity the user is performing. When the icon appears shadowed, the tool is not available. When the icon is dark, the tool is available. Refer to Figure 3-4 Electra Elite SAT Software Screen Main Menu for an example.



Allows the user to undo the current edits and return

to the previous editing operation.



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SECTION 7 ELECTRA ELITE PULLDOWN MENUS

This section explains each available pulldown menu in SAT software.

File

The File pulldown menu provides options for basic file management.

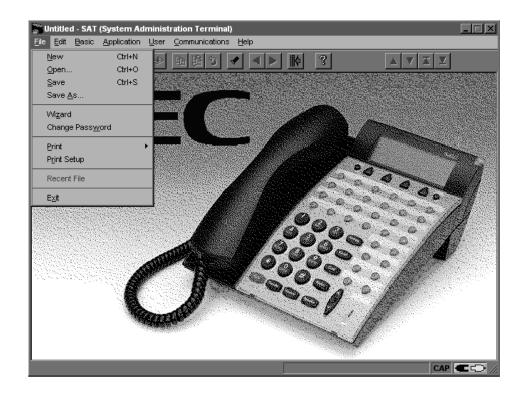


Figure 3-7 File Menu

New

Creates a new configuration file.

Open

Loads an existing configuration.

Save

Saves the configuration file. This option is available only when a configuration file is open.

Save As

Saves a configuration file using a new name. This option is available only when a configuration file is open.

Close

Use to close the current configuration file. This option is available only when a configuration file is open.

Wizard

Use to access the Wizard. Wizard is available for every feature in the Electra Elite system and provides all information to program a feature. All data items for programming the feature are grouped together. The user can press a tab to access system data and make the necessary changes.

This option is available only when a configuration file is open.

Change Password

Allows the user to change the SAT password.

Print

Provides two print options: Job Specifications and Designation Labels (requires a standard inkjet or laser printer).

When Job Specifications is selected, a menu is displayed with three print options for the Job Specifications. Print a family (group) such as system-wide, trunk group, or tenant or one or a range of Memory Blocks.

When Designation Labels is selected, SAT automatically opens the DESI for Windows label printing application. The current telephone information is automatically exported to DESI. Labels can then be configured and printed for the telephones. This requires the NEC LASER Labels for printing on InkJet or Laser printers.

To enable the Designation Labels option, the DESI for Windows application must be installed on your computer. Installation is usually done during the installation of SAT.

Print Setup

Allows access to the printer setup screen. This allows the printer configuration to be modified.

Recent File

Displays the last two files that were opened. These are listed as 1 and 2. The user can select either file to open. This option is only available when New or Open is selected.

Exit

Exits the programming software. When changes have not been saved, the technician is prompted to save the changes before the program shuts down.

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Edit

The Edit pulldown menu allows files to be edited or swapped.



Figure 3-8 Edit Menu

Undo

Allows the user to undo current edits and return to previous editing.

Copy

Used to copy port information from one port to another.

Swap

Allows values to be swapped between two ports.

Set Default

Defaults to the current field where the cursor is positioned.

Set Default All

Allows the user to set all values to default on the open tab.

Quick Search

Allows a search for Memory Block Number, Name, or Tab Name using a list. User can click a Memory Block and modify necessary System data.

Basic

The Basic pulldown menu allows access to basic programming items.

Some menu items may be disabled when the appropriate hardware is not assigned, or a dependent data item is not set.

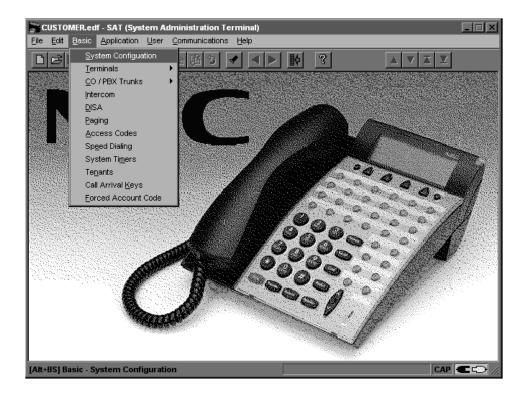


Figure 3-9 Basic Menu

System Configuration

This option allows the technician to configure the customer system by indicating the cards that are installed for each slot in the KSU.

Terminals

This option allows the technician to assign the terminals to the system. Several selections are available with this option.

- System Wide
- Station Base
- Multiline
- Single Line
- DSS/BLF

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- C Doorphones
- Display Board

CO/PBX Trunks

This option allows technicians to program system data related to trunk assignments.

Three selections are available with this option:

- System Wide
- Trunk Base
- Timers

Intercom

This option allows the technician to program system data related to intercom assignments.

DISA

This option allows the technician to assign codes for Direct Inward System Access (DISA).

Paging

This option allows data related to paging assignments to be programmed.

Access Codes

This option allows the technician to enter Access Codes. Where appropriate, Access Codes are set to default system values.

Speed Dialing

This option allows data related to system and station speed dialing to be programmed.

System Timers

This option allows system-wide timers to be assigned.

Tenants

This option allows data related to tenant assignments to be programmed.

Call Arrival Keys

This option allows Call Arrival block assignments to be programmed.

Forced Account Codes

This option allows the technician to program the account code length and to assign account codes.

Application

The Application pulldown menu allows access to system data items relating to advanced system applications.

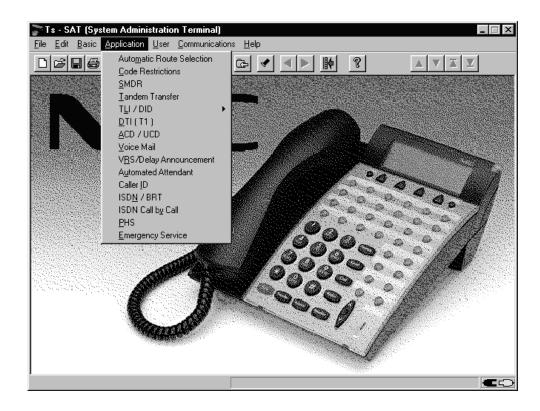


Figure 3-10 Application Menu

Automatic Route Selection

This option allows Automatic Route Selection to be programmed.

Code Restriction

This option allows code restriction assignments to be programmed.

SMDR

This option allows data related to Station Message Detail Recording to be programmed.

Tandem Transfer

This option allows the assignment of data related to the routing of a call through the system.

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TLI/DID

This option allows data related to Tie Lines and Direct Inward Dialing to be programmed.

Three selections are available with this option:

- Trunk Base
- Networking
- Timers

<u>D</u>TI/T1

This option allows data related to the master clock and T1 signaling formats to be programmed.

ACD/UCD

This option allows the technician to set up Automatic Call Distribution and Uniform Call Distribution Hunt groups.

Voice Mail

This option allows data related to the internal voice mail to be programmed.

VRS/Delay Announcement

This option allows data to be assigned for the VRS ETU (e.g., greetings).

Automated Attendant

This option allows the technician to program the data related to messaging.

Caller ID

This option allows Caller ID displays to be programmed and display assignments to be assigned per port.

ISDN/BRT

This option allows the assignment of information related to ISDN/BRT trunks such as SPID assignments, IDSN telephone numbers, and BRT/DTMF duration.

ISDN Call by Call

This option allows call by call service to be programmed.

PHS

This option allows operation of the D^{term} PS II.

Emergency Service

This option allows E-911 outgoing.

Users

The Users pulldown menu allows access to system data items related to speed dialing.



Figure 3-11 User Menu

Speed Dialing

This option allows the technician to program Speed Dial memories for each Multiline Terminal in the Electra Elite system.

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Communications

The Communications pulldown menu allows access to system data items relating to direct and remote connections to the Electra Elite system.



Figure 3-12 Communications Menu

Connect

This option allows the technician to connect to the Electra Elite system.

Connection can be Direct or Remote. For Direct connection, the SAT PC is connected directly to the Electra Elite system. For Remote connection, the SAT PC uses a modem to dial into another external remote modem that is connected to the Electra Elite system. When the MIFM-U10 KTU is equipped with a socket modem (modem kit part no. 750620), the external remote modem is not needed. For Direct connection to the KTS, connect the serial cable included with the SAT from a free serial port on the SAT PC to the COM 1 port on the KTS. Select Communications, Connect. Select the Setup button to choose PC COM port. Choose Direct Connection and click the Connect button.

For Remote connection to the KTS, choose Modem Connection and select the Dial button. For the Modem connection, the PC must have an MNP Class 4 modem. This connection allows the user to program a KTS located at a remote location.

In either case, after a successful connection is established with the KTS, you can upload and download data to and from the KTS.

Disconnect

This option allows the technician to disconnect from the Electra Elite system.

Upload

This option allows the technician to upload programming changes and configurations to the KTS.

Download

This option allows the technician to download the current Electra Elite configuration.

Verify

This option allows the technician to compare the configuration programmed in the KTS with that of the PC.

First Initialization

This option reintializes the system to the factory-set defaults.

All active calls on the system are dropped.

Second Initialization

This option reboots the system without resetting the programmed defaults (i.e., all programming is retained).

Setup

This option allows the technician to set up the system to provide communication. Four options are available for this selection.

- PC Serial Port serial port of the PC that is connected to the KTS.
- Access Password the password programmed in Memory Block 1-8-17 on the KTS.
- Site Name the name of the site that is being programmed.
- Setup & Initialize the KTS port settings/configurations.

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Help

The Help pulldown menu allows access to online help.



Figure 3-13 Help Menu

Using Help

This option provides access to the help topics window that describes how to use the help function.

Contents

This option provides access to the help topics that are available for the Electra Elite System Administration Terminal system.

Help Topics

This option provides a list of help topics. The user can bookmark topics to refer to again.

Show MB Numbers

When the cursor is positioned over a data field, the memory block number is displayed above the cursor.

About

This option provides information about the System Administration Terminal software (SAT).

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Chapter 4 Feature Access Codes

Feature Access Codes

CHAPTER 4

SECTION 1 GENERAL INFORMATION

The table in this chapter shows the Access Codes used in the system. Some codes are set as system defaults. Others have no default, but are programmable.

Table notes include the following:

- Installation Access Codes operate on telephones specified during installation.
- All other notes are self explanatory

Function	Operation	Notes
Microphone ON/OFF	Feature → Dial (T)	
System Name Confirmation	Feature → Dial (3)	
Verify Station Number	Feature → Dial (4)	
Confirm Timed Alarm	$ \begin{array}{ccc} $	
Reset Timed Alarm System	$ \begin{array}{ccc} $	Installation
Reset Timed Alarm	$ \begin{array}{ccc} $	
Set Do Not Disturb	$ \begin{array}{ccc} $	
Set Call Forward - All Calls	Feature → Dial (6) (9) → Dial XXX → Feature XXX = Station number where call is to be forwarded.	Installation

Function	Operation	Notes
Set Automatic Trunk- to-Trunk Transfer Mode	Feature → Dial 6 → Dial XX → Feature XX = Incoming Trunk Port Number (01~64) 00 = All Trunks	Installation
Cancel Automatic Trunk-to-Trunk Transfer to Outside Mode	Feature → Dial (→ Dial XX → Feature XX = Incoming Trunk Port Number (01~64) 00 = All Trunks	Installation
Set Automatic Trunk- to-Trunk Transfer Outgoing Trunk	Feature → Dial (6) (3) → Dial XX → Dial (#) → Dial YY~Y → Feature XX = Incoming Trunk Port Number (01~64) 00 = All Trunks YY~Y = Transfer Telephone Number (Max 24 Digits)	Installation
Confirm Transfer Number for Automatic Trunk-to- Trunk Transfer	Feature \rightarrow Dial (G_{crit}) \rightarrow Dial XX \rightarrow Feature XX = Trunk Port Number (01~64)	Installation
Serial Port Verification	Feature → 6 → XXXXX = PYY/SZZ is displayed XXXX = Extension Number YY = Physical Port Number ZZ = Serial Port Number	Used to find the Serial Port number for Electra Stat.
Cancel Call Forward - All Calls by System	$ \begin{array}{ccc} $	Installation
Cancel Do Not Disturb/Call Forward - All Calls	Feature → Dial 6 9 → Feature	Installation
Set Customized Message Display	Feature → Dial → Dial → Dial → Dial → → Dial → → Dial → → Dial XX:XX, YY:YY] → Feature * Selects display * Sets Display XX:XX = Date of Return YY:YY = Time of Return Optional Operations are enclosed in []	
Cancel Customized Message Display by System	$ \begin{array}{ccc} \text{Feature} & \rightarrow \text{Dial} & \nearrow \\ \nearrow \text{cors} & \nearrow \\ \nearrow \text{ruv} & \rightarrow \\ \end{array} $ Feature	Installation
Cancel Customized Message Display	Feature → Dial (7) (9) → Feature	

Function	Operation	Notes
Set/Cancel Night Mode Switch (System)	Feature → Dial (8) (PER) → Feature	Installation Attendant Only
Set Automated Attendant/DISA Mode	Feature → Dial (8) → Dial XX → Feature XX = Incoming Trunk Port Number (01~64) 00 = All Trunks	Installation
Cancel Automated Attendant/DISA Mode	Feature → Dial (3) (2) → Dial XX → Feature XX = Incoming Trunk Port Number (01~64) 00 = All Trunks	Installation
Set/Cancel Night Mode Switch (Tenant)	Feature \rightarrow Dial (5) (5) \rightarrow Dial XX \rightarrow Feature XX = Tenant Number (00~47)	Installation
Set/Cancel Weekend Mode Switch (Tenant)	Feature \rightarrow Dial (8) (6) \rightarrow Dial XX \rightarrow Feature XX = Tenant Number (00~47)	Installation
Background Music On/Off	$F_{\text{eature}} \rightarrow Dial \stackrel{?}{\underset{\text{ABC}}{}} \stackrel{\textit{f}}{\underset{\text{MNO}}{}}$	
Cancel Callback Message by System	Feature → Dial (8) → Feature	
Cancel Feature LED	$ \begin{array}{cccc} & & & & & & & & & & & & & & & & & & &$	
Program System Speed Dial Buffer Number	Feature → Redial → Dial XXX → Dial YYY → Dial ZZ~Z → [Hold → Dial xx~x]→ Feature XXX = Speed Dial buffer Number (00~79/000~999) YYY = Access Code (Max 3 Digits) ZZ~Z = Telephone Number (Max 24 Digits) xx~x = Name of other Party (Max 13 letters) Optional Operations are enclosed in []	
Program Station Speed Dial Buffer Number	Feature → Redial → Dial XX → Dial YYY → Dial ZZ~Z → [Hold → Dial xx~x]→ Feature XX = Speed Dial buffer Number (80~99) YYY = Access Code (Max 3 Digits) ZZ~Z = Telephone Number (Max 24 Digits) xx~x = Name of other Party (Max 13 letters) Optional Operations are enclosed in []	100-Memory Buffer Allocation only

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Function	Operation	Notes
Confirm System Speed Dial Number	Conf → Redial → Dial XXX XXX = Speed Dial Buffer Number (00~79/000~999)	
Confirm Station Speed Dial Number	Conf → Redial → Dial XX XX = Speed Dial buffer Number (80~99)	100-Memory Buffer Allocation only
Cancel System Speed Dial Number	Feature → Redial → Dial XXX → Feature XXX = Speed Dial Buffer Number (00~79/000~999)	Installation
Cancel Station Speed Dial Number	Feature → Redial → Dial XX → Feature XX = Speed Dial buffer Number (80~99)	100-Memory Buffer Allocation only
Place a Call - Speed Dial	Redial → Dial XXX XXX = Speed Dial Buffer Number (00~79/000~999)	
Confirm Last Number Dialed Memory	Conf → Redial → Dial *	
Place a Call Using Store & Repeat/Save & Repeat	Redial → Dial #	
Set/Cancel Answer Preset (Ringing Line Preference)	Feature Answer	
Last Number Dialed Memory to a Station Speed Dial Buffer Number	Feature → Redial → Dial XX → Redial → Feature XX = Speed Dial buffer Number (80~99)	100-Memory Buffer Allocation only
Program Feature Access Keys for DSS/BLF	Feature → Redial → Feature Access Key → Dial ↑ → Dial YYYY → [Dial ↑] → Feature YYYY = Station number (2, 3, or 4 digits) [Dial ↑] switches between voice and tone.	Installation 100-Memory Buffer Allocation only
Program Feature Access Keys for Station Speed Dial	Feature → Redial → Feature Access Key → Dial → Dial Y YYY → Dial ZZ~Z → [Hold → Dial XX~X] → Feature YYYY = CO/PBX Access code (Max 4 digits) ZZ~Z = Telephone number to be stored (Max 16 digits) XX~X = Name stored using the character Code (Max 13 characters) Optional operations are enclosed in []	Installation 100-Memory Buffer Allocation only

Function	Operation	Notes
Program Feature Access Keys for Nesting Dial	Feature → Redial → Feature Access Key → Dial → Dial Y YYY→ Answer → Dial ZZ [Repeat Answer → ZZ up to three times] → [Hold → Dial XX~X] → Feature Y YYY = CO/PBX Access code (Max 4 digits) ZZ = System (00~79) or Station (80~99) Speed Dial Buffer Number XX~X = Name stored using the character Code (Max 13 characters) Optional operations are enclosed in []	Installation 100-Memory Buffer Allocation only
Program Feature Access Keys for Feature Access	Feature → Redial → Feature Access Key → Dial # → Dial YY → Feature YY = Feature Access Code	Installation 100-Memory Buffer Allocation only
Confirm Feature Access Key	Feature → Feature Access Key	100-Memory Buffer Allocation only
Cancel Feature Access Key	Feature → Redial → Feature Access Key → Feature	
Place a Call with Feature Access Key	Press Feature Access key programmed for applicable feature •	
Program One-Touch Keys for DSS/BLF	Feature → Redial → One-Touch Key → Dial → Dial YYYYY → [Dial] → Feature YYYY = Station number (2, 3, or 4 digits) [Dial] switches between voice and tone	
Program One-Touch Keys for Station Speed Dial	Feature → Redial → One-Touch Key → Dial OPER → Dial Y YYYY → Dial ZZ~Z → Feature YYYY = CO/PBX Access code (Max 4 digits) ZZ~Z = Telephone number to be stored (Max 16 digits)	

Function	Operation	Notes
Program One-Touch Keys for Nesting Dial	Feature → Redial → One-Touch Key → Dial PPER → Dial Y YYY→ Answer → Dial ZZ [Repeat Answer → ZZ up to three times] → Feature Y YYY = CO/PBX Access code (Max 4 digits) ZZ = System (00~79) or Station (80~99) Speed Dial Buffer Number Optional operations are enclosed in []	100-Memory Buffer Allocation only
Program One-Touch Keys for Feature Access	Feature → Redial → One-Touch Key → Dial # → Dial YY → Feature YY = Feature Access Code	
Confirm One-Touch Key	Feature → One-Touch Key (→ Feature only if arrow is displayed).	
Cancel One-Touch Key	Feature → Redial → One-Touch Key → Feature	
Place a call with One- Touch Key	Press the One-Touch key programmed for the desired feature.	

NEC



PROGRAMMING MANUAL

Issue 6

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