Installation Instructions for VMP( )-U40 ETU

Control No. 750258-0 (Document Revision 2)

DESCRIPTION

The EliteMail VMP( )-U40 ETU, is a 2-port, 4-port, or 8-port interface that can be installed in any interface slot in the Electra Elite system. The 2-port or 4-port configuration includes one digital signal processor (DSP); the 8-port configuration requires an additional DSP-U30 Unit.

This electronic telephone unit is a PC-platform installed in the Electra Elite system, and contains disk space for voice recording storage and application software.

The major changes include:

- Faster running 486-based processor allows noticeably quicker boot and faster operation.
- Cosession direct connection speed is increased to 57,600 baud. This is the only supported direct connection speed for all U40 ETUs.
- All ETUs have a built-in modem for remote console programming or an external modem and single-line port can be used for remote console programming on these ETUs. The internal modem is accessed from the automated attendant by dialing the modem extension number. This ID is not an extension on the telephone system – it is an internal ID used by voice mail only. No activation code or additional hardware is required. The external modem setup is on page 11.
- Port upgrades are performed by changing the current flash drive to a new drive with the needed port configuration.

NEW FEATURES FOR Q51231

- Graceful Shutdown via the Shut Down Switch

  The Shut Down switch will now gracefully shutdown the voice mail application, then turn off the card when put in the OFF position. If no calls are active on the voice mail this procedure takes about 30 seconds. If calls are active on the voice mail the application will wait for the calls to finish before shutting down.

- Subscriber-Based Multilingual

  The system manager has the ability to select at the console a specific language for a particular subscriber. The subscriber will hear that language as soon as the subscriber's login is complete. The default language will be the same as the system's default language.

- Entity-Based Multilingual

  Allows outside callers to select a valid system language to use during a call. This feature allows any caller to hear any installed language regardless of which voice mail port answered the call. A new database entity, the Language Selection Box, has been added to allow callers to choose between the installed languages. In addition, each database entity (personal message box, transaction box, interview box, etc.) shall have a language associated with it.

  Service Conditions:

  - ❑ Multilingual features are only supported on hard disk-based systems.
  - ❑ The languages supported on this voice mail are English, French, and Spanish.
  - ❑ To enable or reconfigure port-based multilingual features, a system manager must shut down the system and modify the CPS.INI file.
  - ❑ A language can be set for each personal mailbox, transaction box, and interview box.
  - ❑ The number of languages available shall be limited by the number of languages on the system key. If additional languages are installed, they will be loaded in their DOS directory order, up to the maximum number of languages.
  - ❑ A system may only have up to three languages.
  - ❑ Depending on system programming port-based multilingual may be overridden by a forwarded call, a subscriber sign-in, or use of a language select box.
  - ❑ Depending on system programming port-specified languages may override entity-based languages.

- To enable Entity Based Mulitlingual

  See section PROGRAMMING ENTITY-BASED MULTILINGUAL on page 22.

- Programming a Language Select Box

  See section PROGRAMMING A LANGUAGE SELECT BOX on page 26.

- Message Auto-Copy (MAC)

  The system manager can configure a subscriber's mailbox to automatically copy all new voice messages to one other subscriber's mailbox. This can only be enabled or changed from console programming and is set on a per mailbox basis.

  For example, if subscriber A's mailbox is configured to automatically copy messages to subscriber B's mailbox, all non-private messages delivered to subscriber A's mailbox will also be delivered to subscriber B's mailbox. (This includes group messages, subscriber-to-

subscriber messages, and public messages.) After the message is delivered to mailboxes A and B, both subscribers will be able to listen to, save, forward, and delete the messages independently.

Service Conditions:

- ❑ Message can only auto-copied once. That means if the MAC recipient has turned MAC feature on, the only the message directly sent to the MAC recipient will be auto-copied.
- ❑ Public messages cannot be automatically copied.
- ❑ A Guest mailbox cannot be a MAC recipient.
- ❑ Once a dispatch group message has been auto-copied, it does not behave as a dispatch message anymore.
- ❑ When a subscriber cancels the subscriber-to-subscriber message that has been auto-copied to a MAC recipient, the original message will be cancelled but the auto-copied message will not be cancelled.

- Absolute time/date stamp

  All timestamps for messages (including subscriber messages, public messages, interview/ transaction box messages, and group messages) will be played with the absolute date/time rather than a relative date/time. This feature is not optional, all time stamps system wide will have the absolute date and time.

- Hard Drive Spin Down

  To increase the hard drive life span the voice mail application will “spin down” the hard drive when it is idle. This feature is limited to Night mode as scheduled in the voice mail application. The voice mail schedule must have a Night mode period for this feature to work. No other programming is required. The hard drive will spin up again for any incoming call.

  Service Conditions:

  - ❑ This feature only applies to hard disk-based systems.
  - ❑ This feature only works when the voice mail application is in Night mode.
  - ❑ After 6 minutes of no voice mail activity, which is on a fixed timer, the hard drive will stop spinning and the head will be parked.
  - ❑ The hard drive “spin-up” will add 3-5 seconds to the time it takes the voice mail to answer the first incoming call.

FEATURES ADDED IN Q50131

✆ Password security features: Must be programmed by the system administrator.

Note: The settings for these features are programmed via the Security section of the CPS.ini file in the E:\Vmail directory. See section HOW TO EDIT FILES USING THE TED UTILITY on page 18 for instructions.

- *Require password*: Allows the system administrator to require passwords. If this setting is enabled, subscribers would not be able to opt out of setting a password during first-time enrollment or when changing a password. At default this setting is Yes forcing users to use a password.
- *Default Password*: Allows the system administrator to change the default password for new subscriber mailboxes in the CPS.ini. At default the password is "0327" and new users will need this password to enter their mailbox for First Time Enrollment.

✆ Timestamp before message: Allows a subscriber to hear the message timestamp before the message is played back. This can be set via console programming on a per mailbox basis. A mailbox can be set to get the timestamp before or after a message but there will always be a time stamp for every message.

This option is set per Mailbox in Expanded Options/Access Code 4 in console programming.

✆ Multiple Entity Addressing: Allows a subscriber to send or redirect a message to a number of subscribers, groups, and/or guests simultaneously. This feature functions like a temporary group.

The access code for this option is set on Easy Made Application page 6 line 59 and can be 1 to 6 digits in length. At default it is set to 77 on new systems and is not set on upgraded systems.

Caution should be taken when assigning this access code as the digits used will block the use of any Mailbox, Transaction box, or Interview box in the same range. For example, if the access code is set to 77 you cannot have any Mailbox, Transaction box, or Interview box in the ranges 770~779 or 7700~7799. Use an access code that will not interfere with the number plan in use on the system.

✆ Control access to notification field: Is a new subscriber setting called "Allow Notification Access," which controls whether or not a subscriber's transfer and notification numbers are accessible from the telephone conversation. (Other transfer settings - e.g., enabling or disabling message notification - would still be accessible over the telephone, even if "allow notification access" is OFF.) Also the message notification can still be set via softkeys even if this field is set to disable.

This option is set per Mailbox in Expanded Options/Access Code 5 in console programming.

The minimum Q revision for all VMP( )-U40 voice mails is Q50131 for both Flash-based drives and HDD drives.

✆ Q50131 database version 6.69

A digital signal processor/voice processing section handles the following functions:

✆ DTMF detection

✆ DTMF generation

- General tone detection
- FAX CNG tone detection
- PCM compression for audio recording/playback
- Automatic gain control (AGC)
- A serial port capable of direct connect speeds up to 115,200 bps.

The number of EliteMail ports installed has a direct impact on the total number of system ports available.

INSTALLATION PRECAUTIONS

Observe the following precautions when installing the ETU to avoid damage to hardware due to static electricity or to being exposed to hazardous voltages.

The ETUs used in this system make extensive use of CMOS technology that is very susceptible to static electricity. Static discharge must be avoided when handling ETUs. Always use the following precautions:

- Wear a grounded wrist strap anytime you handle an ETU.
- Make all ETU DIP switch setting changes before inserting the ETU in the KSU.
- Carry ETU in a conductive polyethylene bag to prevent static electricity damage.

ENVIRONMENTAL CONDITIONS

The following temperature and humidity variances apply for VMP( )-U40 ETU operation:

- Operating temperature: +41º ~ 85º F (5º ~ 29.5º C)
- Long-term temperature: +50º ~ 80º F (10º ~ 26.7º C)
- Operating humidity: 10% to 90% (noncondensing)

PROPER INSTALLATION PROCEDURE OF THE VMP( )-U40 ETU

Warning! This procedure must be followed every time the VMP( )-U40 is to be inserted into the KSU.

1. Turn off the KSU system power.
2. Place Switch S3 on the voice mail ETU in the **RUN** position.
3. Wearing a ground strap, install the voice mail ETU in the KSU.
4. Turn **ON** the power to the KSU.

PROPER SHUTDOWN PROCEDURE OF THE VMP( )-U40 ETU

Warning! This procedure must be followed every time the VMP( )-U40 is to be rebooted or removed from the KSU.

1. From console programming, connect the PC to the VMP( )-U40 voice mail using a direct connection. Refer to INSTALLING COSESSION REMOTE SOFTWARE (7.X) on page 18.
2. From the banner screen, shut down the voice mail application by pressing the **[ESC]** key.
3. Then enter [**Y**] for yes and enter the password (default is **nec**).
4. From the Utility menu, enter **[x]** to exit to DOS.
5. Place Switch S3 on the voice mail ETU in the **SHUT DOWN** position.
6. Verify that the Shutdown LED is **ON**. If the unit is to be rebooted you can now put the shutdown switch in the **RUN** position. If the unit is to be removed from the system continue with step 7.
7. Turn **OFF** the power on the KSU.
8. Wearing a ground strap, remove the ETU from the KSU.

UPGRADING Q REVISION USING THE BRU FOR WINDOWS UTILITY

Follow the procedure below to perform the upgrade via a direct connection.

1. From console programming, connect the PC to the VMP( )-U40 ETU voice mail using a direct connection. Refer to INSTALLING COSESSION REMOTE SOFTWARE (7.X) on page 18.

2. From the banner screen, shut down the voice mail application by pressing the **[ESC]** key.
3. Enter [**Y**] for yes and enter the password (default is **nec**).
4. From the Utility menu, enter [**3**] to start Backup, Restore, Update - BRU Utility.
5. Choose **Hang Up** from the Cosession main menu.
6. Start the **BRU for Windows Utility** on the support PC, refer to INSTALLING THE BRU FOR WINDOWS REMOTE on page 18.
7. Set BRU for Windows Utility to use the appropriate COM port on the support PC, set the baud rate to 115, 200 and set the server type to Elitemail VMP. Make sure to save any configuration changes by clicking **File** then **Save**.
8. Verify that Channel LEDs 1 and 4 are **on**.
9. Connect to VMP( )-U40 ETU voice mail by clicking **Connect** icon.
10. When connection is successful, choose **update** from the BRU for Windows Main Menu. The application will default to the A:\ drive for the upgrade file location.
11. Put the Q revision upgrade System diskette in drive A:\ of the support PC then click on **Run Action**.

    Note: You can also put the upgrade files on the support PC hard drive and use the Browse function to find them. The folder for each diskette should be in a temporary folder, for example c:\Work\System. The names for each diskette folder must be **[System]**, **[Hardware]**, and **[PRMUPD]** for the upgrade to be successful.
12. After confirming the that upgrade is correct for this unit, answer **OK** for yes to the warning message.
13. If the upgrade is more than one diskette, you will be prompted for the other diskettes as needed.
14. After the upgrade files have been transferred, choose **Return to Connection Menu** from the main BRU Utility menu.
15. Choose **Exit Client and Host** from the Connection Menu to disconnect and reboot the voice mail unit.
16. Voice mail should reboot automatically. Note after an upgrade, the voice mail may take longer than usual to boot. This is normal, as some of the upgrade is done during the boot process.
17. When the APP1 LED has turned green, connect to voice mail using Cosession direct connect and verify the Q revision by pressing **[F5]** at the banner screen.

INSTALLING FLASH DRIVE ON THE VMP( )-U40 ETU

Use the following instructions to install the Flash Drive.

1. Remove the VMP( )-U40 ETU and selected Flash Drive from the box.
2. Locate slot J6 on VMP( )-U40 ETU.
3. The side with the SanDisk name in large red letters should be facing up, as shown in Figure 1 Installing the Flash Drive on the VMP( )-U40 ETU.

Figure 1 Installing the Flash Drive on the VMP( )-U40 ETU

Note: The Flash Drive will only go in one way, and does not take much force to insert it.

4. Push the drive in until it's fully seated, as shown in Figure 2 Flash Drive Seated on VMP( )-U40 ETU.

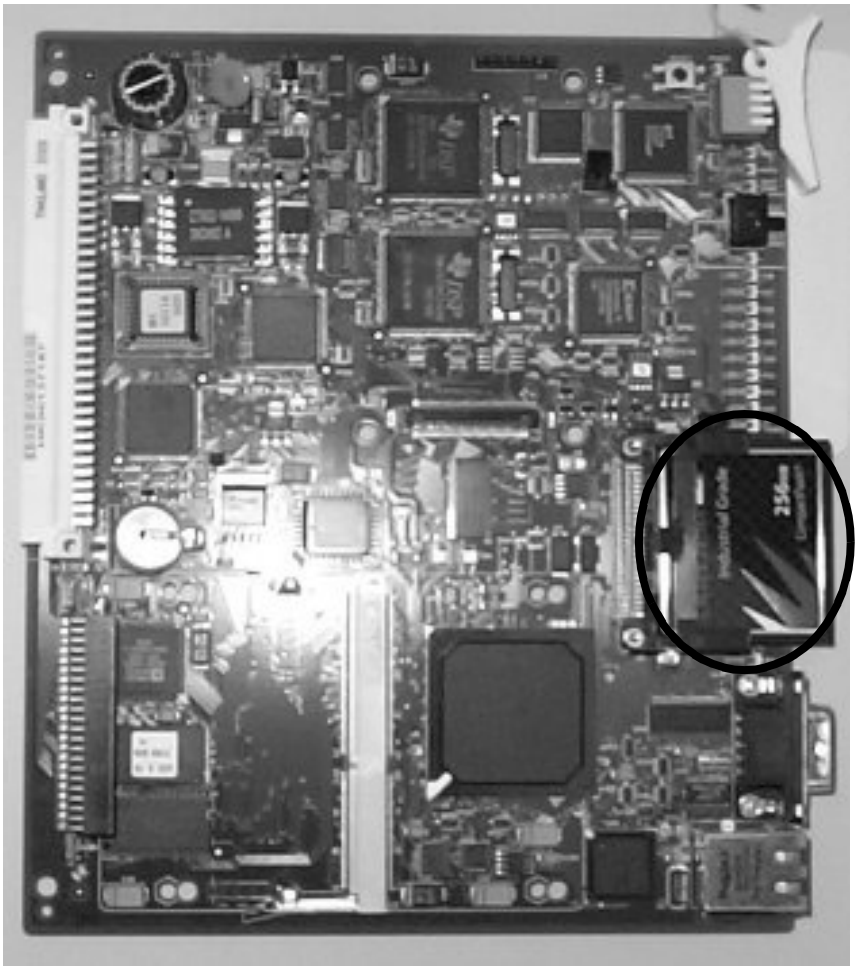

Figure 2 Flash Drive Seated on VMP( )-U40 ETU

5. Check jumper J-1 and make sure it is on pins 1-2.
6. Check Jumper J-6 and make sure it is on pins 1-2.
7. Make sure that jumper J7 is set across pins 1 and 2, and your system is ready for installation.

INSTALLING HARD DRIVE ON VMP-U40

Warning! Handle the hard drive carefully! Do not drop the drive or apply pressure to it! Do not touch the printed circuit board of the drive or card unnecessarily. Doing so can make a drive inoperable!

This unit makes extensive use of CMOS technology that is very susceptible to static; therefore, extreme care must be taken to avoid static discharge when handling.

1. Before mounting the drive make note of the connection to the hard drive, notice the four pins to the left of the drive, These pins are not connected for normal operation, see Figure 3 Connecting the Hard Drive on page 10.

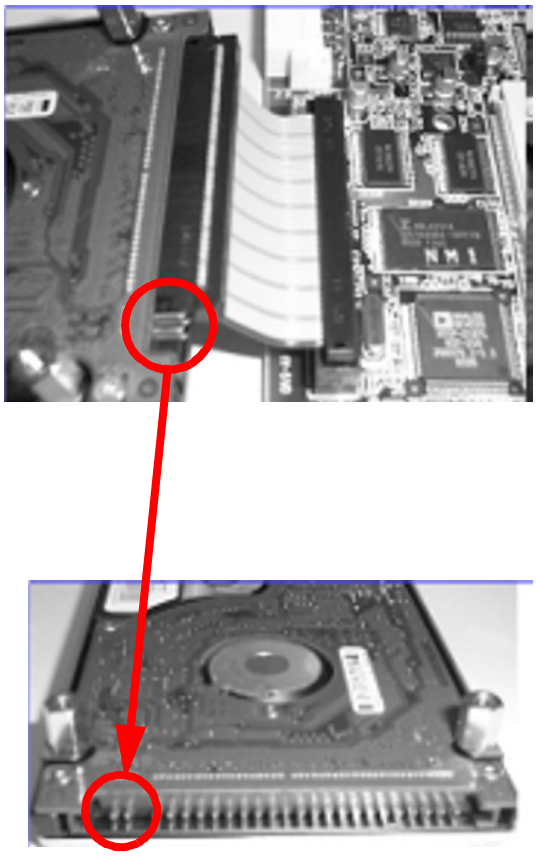

Figure 3 Connecting the Hard Drive

2. Check jumper J-7 and make sure it is on pins 2-3, see Figure 4 Plus Sign on Battery Displayed Up.

3. Check jumper J-1 and make sure it is on pins 1-2, see Figure 4 Plus Sign on Battery Displayed Up.

4. Insert Sony battery CR-2032 into BATT1 connector, the + sign should be facing up as shown in Figure 4 Plus Sign on Battery Displayed Up.

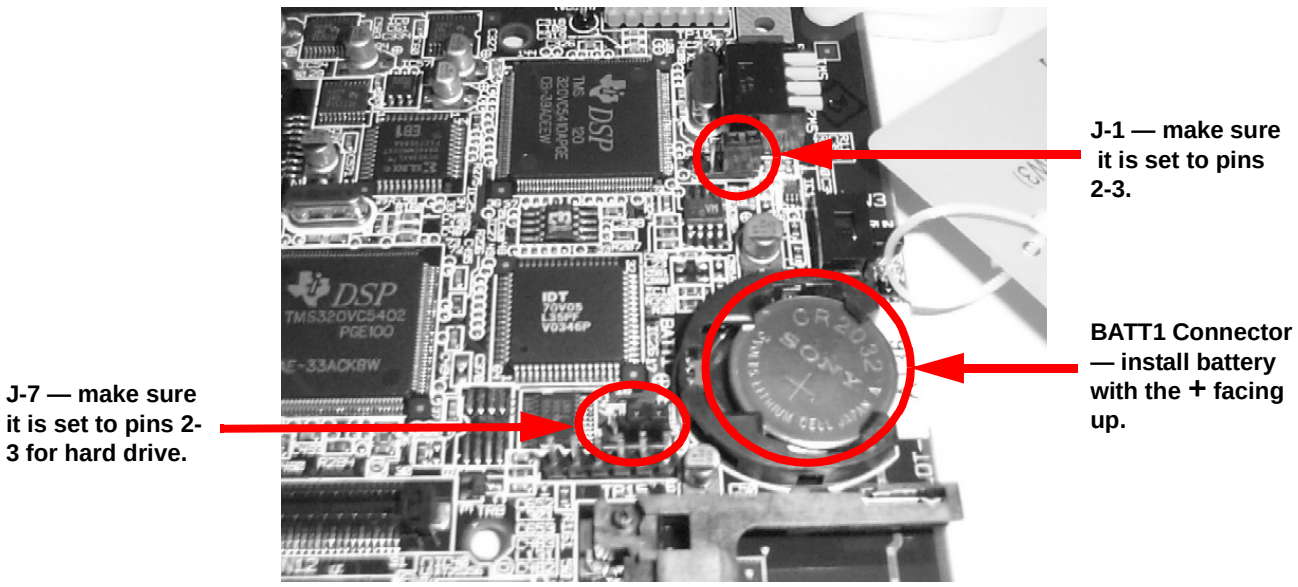

Figure 4 Plus Sign on Battery Displayed Up

5. Check jumper J-6 and make sure it is on pins 1-2 as shown in Figure 5 Connecting the Ribbon Cable.

6. Insert keyed end of ribbon cable into connector CN8, the keyed connector will only go into connector CN8 one way and should not be forced. The red stripe of the cable will be towards the bottom of the card as given in Figure 5 Connecting the Ribbon Cable.

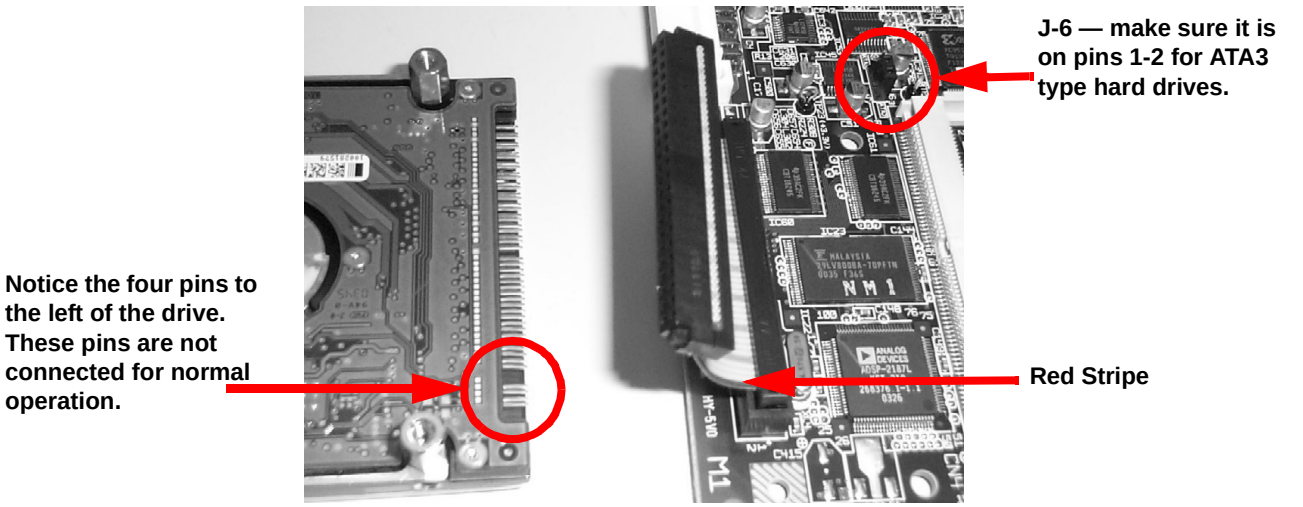

Figure 5 Connecting the Ribbon Cable

7. Place hard drive on table with printed circuit board side up and the pins facing the card as shown in Figure 5 Connecting the Ribbon Cable.

8. Connect the hard drive to the cable making sure that the four pins on right side of the drive are not connected as shown in Figure 6 Four Pins Are Left Unconnected.

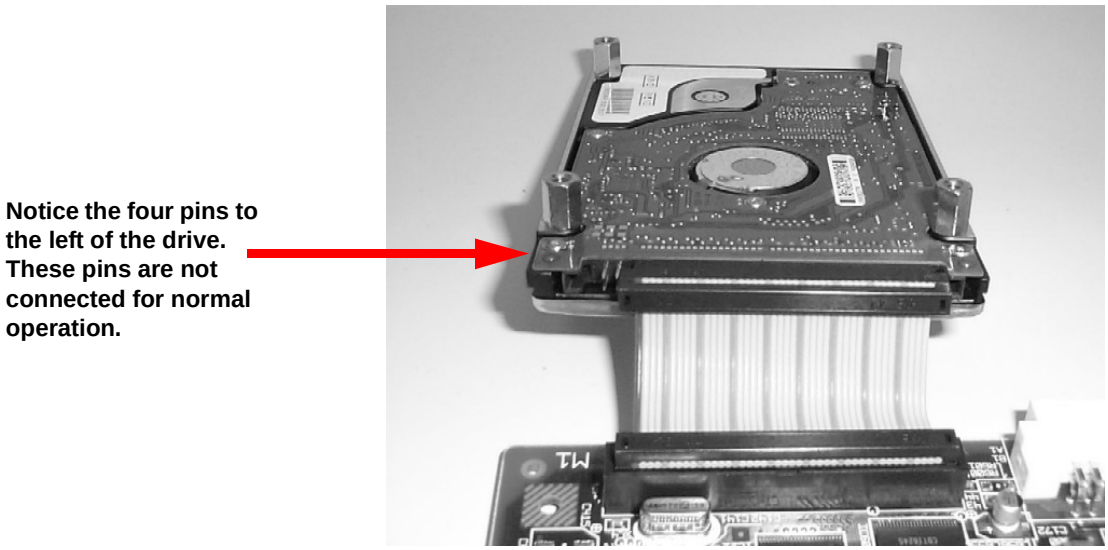

Figure 6 Four Pins Are Left Unconnected

9. Carefully place the hard drive on the card as shown in Figure 7 Placing the Hard Drive On the Card.

Figure 7 Placing the Hard Drive On the Card

10. Holding the drive so it does not move turn the card over and put the four mounting screws in place as shown in Figure 8 Placing the Four Mounting Screws. DO NOT OVER TIGHTEN THE SCREWS OR THE BOARD CAN BE DAMAGED!! The screws only need to be lightly torque down and over tightening the screws can damage the board.

Figure 8 Placing the Four Mounting Screws

INSTALLING DSP( )-U30 ON VMP( )-U40 ETU

To create an 8-port VMP( )-U40 ETU, the DSP-U30 must be installed. Refer to Figure 10 Installing the DSP-U30 on the VMP( )-U40 ETU (Back Side).

1. Wearing a grounding strap, remove the VMP( )-U40 and DSP-U30 from the box and lay on a flat work surface.
2. Locate connector J12 in the center of the ETU and position the DSP-U30 over it. Press down firmly on the DSP-U30 unit until a secure connection is made. Ensure that all the standoffs are snapped completely.
3. Place Switch S3 in **RUN** position.
4. Install the ETU in the KSU.
5. Turn **ON** the KSU system power.
6. Wait for the APP1 LED to turn green, then connect the support PC to the VMP(8)-U40 ETU.

7. Verify there are eight ports shown on the banner screen.
8. If the unit is to be installed at another location, shut down the voice mail application by pressing the [**ESC**] key.
9. Enter **[Y]** for yes and enter the password (default is **nec**).
10. From the Utility menu enter **[x]** to exit to DOS.
11. Disconnect from the system.
12. Place SW3 in the **Shut Down** position.
13. Wait for the Shutdown LED to light red.
14. Turn **OFF** the KSU power and remove the card from the KSU.
15. Make sure to transport the card in the original packaging.

Note: If this is an upgrade from a 4-port unit you will also have to enter the activation code. To do this close the voice mail application and exit to DOS from the Utility menu. From the C:\>VMail prompt type **activate** and follow the on screen instructions.

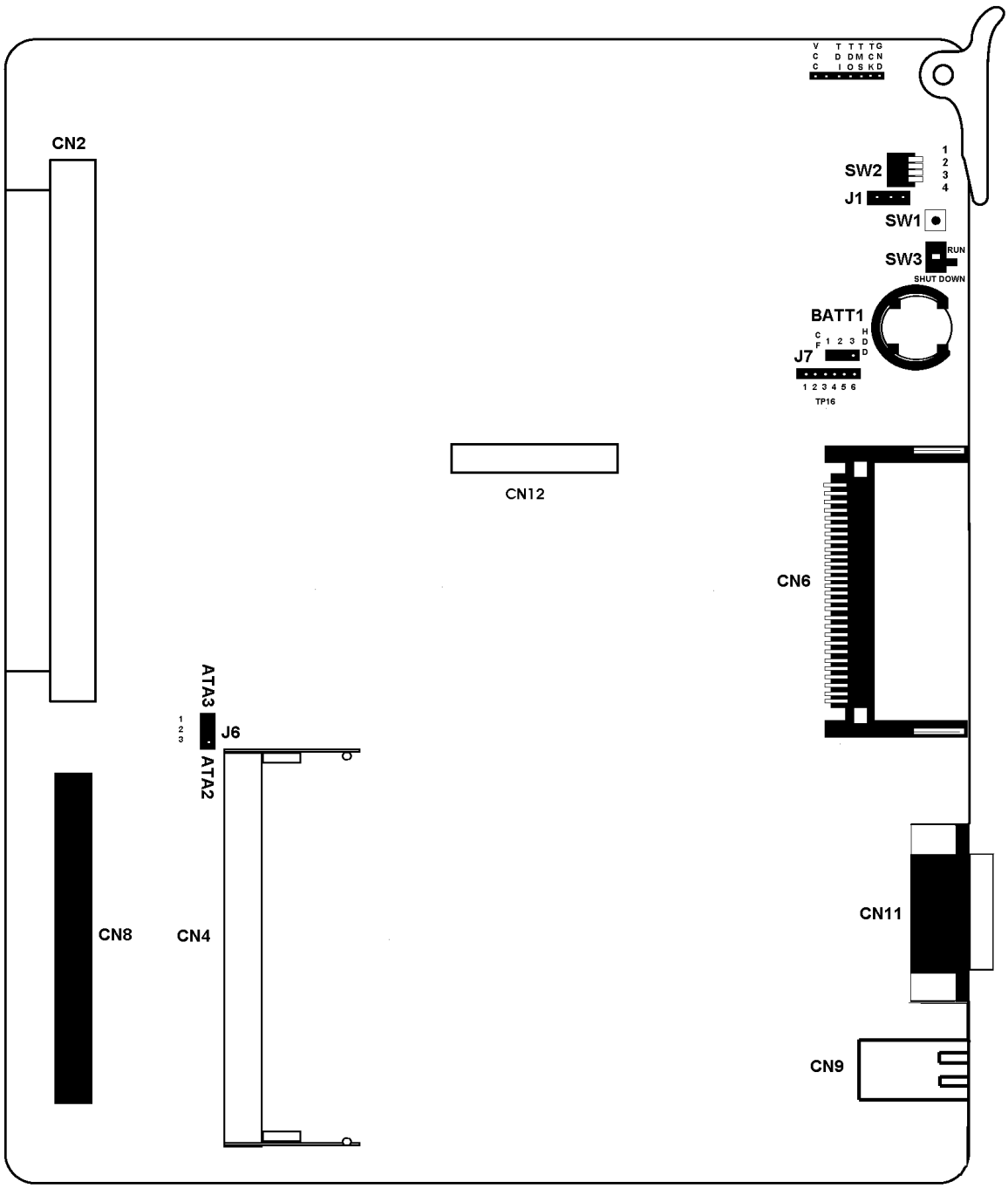

Figure 9 Installing the DSP-U30 on the VMP( )-U40 ETU (Front Side)

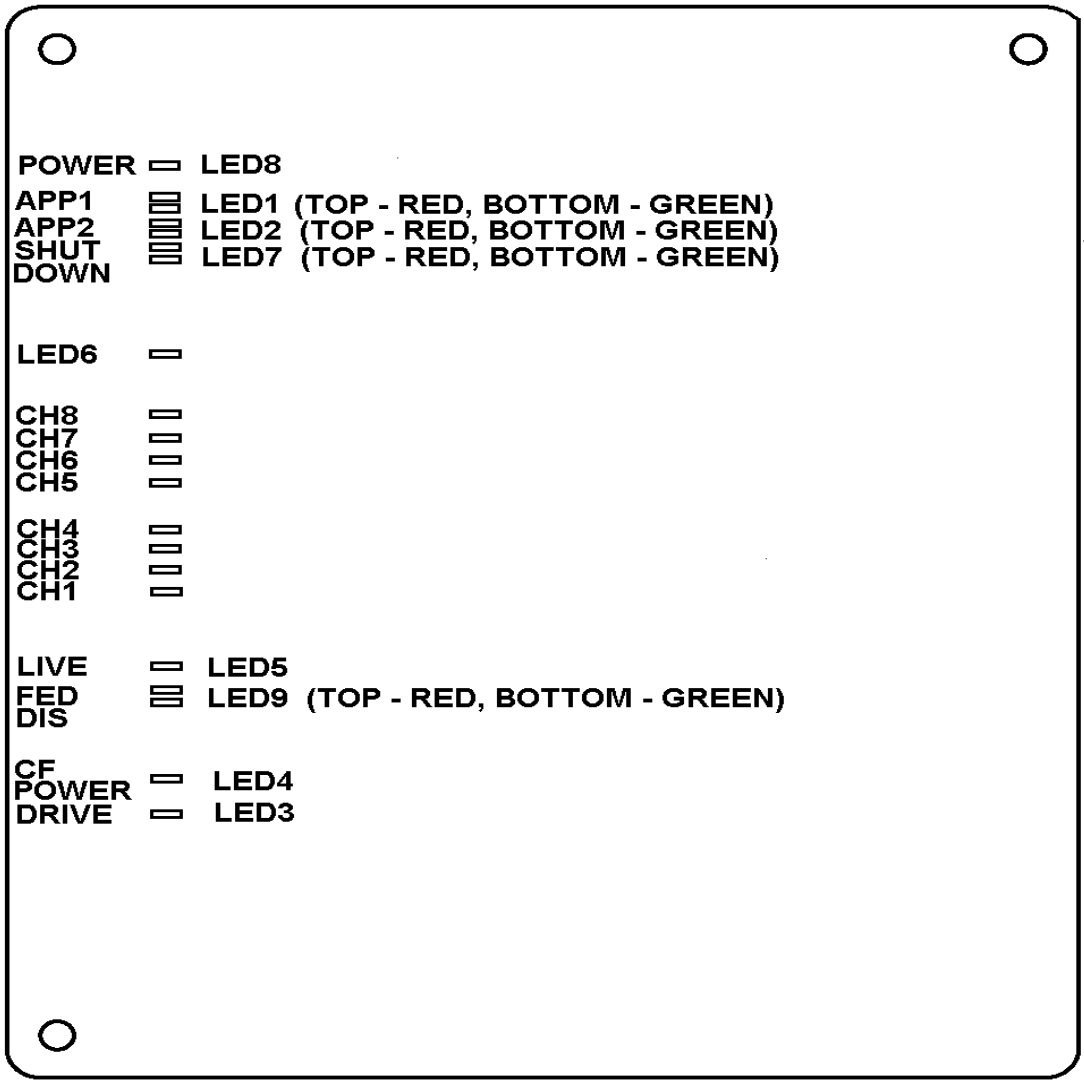

Figure 10 Installing the DSP-U30 on the VMP( )-U40 ETU (Back Side)

INSTALLING COSESSION REMOTE SOFTWARE (7.X)

1. When your unit includes Cosession diskettes, Insert disk 1 of 3 into drive A:\ then double-click on **setup.exe**. When your unit includes Cosession CD, go to the folder on the CD labeled CoSession then double-click on **setup.exe**.
2. Choose **Custom Install**.
3. Choose to install the **remote** only, not the host.
4. Choose **modem/serial** only.
5. When prompted, choose the default direct connection COM port and set the baud rate to 57,600.
6. Make an icon on the desktop, and connect to voice mail.

INSTALLING THE BRU FOR WINDOWS REMOTE

To install the BRU for the Windows application, use the procedure below.

1. Make sure that there are no previous installations of BRUWin. Otherwise, **uninstall the old version of BRUWin** before installing the new version.
2. Insert the VMP Support CD in the support computer's CD-ROM drive.
3. If the support computer is running Windows, click **Start**, **Run**, **Browse**, then go to the support computers CD-ROM drive and find the folder labeled **BRUWin**.
4. Double click on the file named **BRUWin_2.2.1.exe**, then click **OK**.
5. Follow the on-screen instructions to complete the installation.

   Note: The BRUWin folder on the support CD has instructions on using BRU for Windows.
6. In the User Information field fill in the appropriate information. If you select the Anyone who uses this computer option, you need to have Administrator rights.

HOW TO EDIT FILES USING THE TED UTILITY

Many of the new security features require that you edit the CPS.INI file to make setting changes. To do this on DOS-based voice mails you will use the TED utility that is on every DOS-based voice mail system. The following example will show where to change the minimum acceptable length for forced mailbox security codes and to change the default security code for mailboxes.

Note: The voice mail application will be unavailable while making these changes.

1. From the Cosession Main menu connect to the voice mail. You can use either a direct or modem connection.

2. From the banner press Escape, when prompted. If you want to exit the voice mail application press **[Y]** for yes, then enter the system administrator password at default nec.

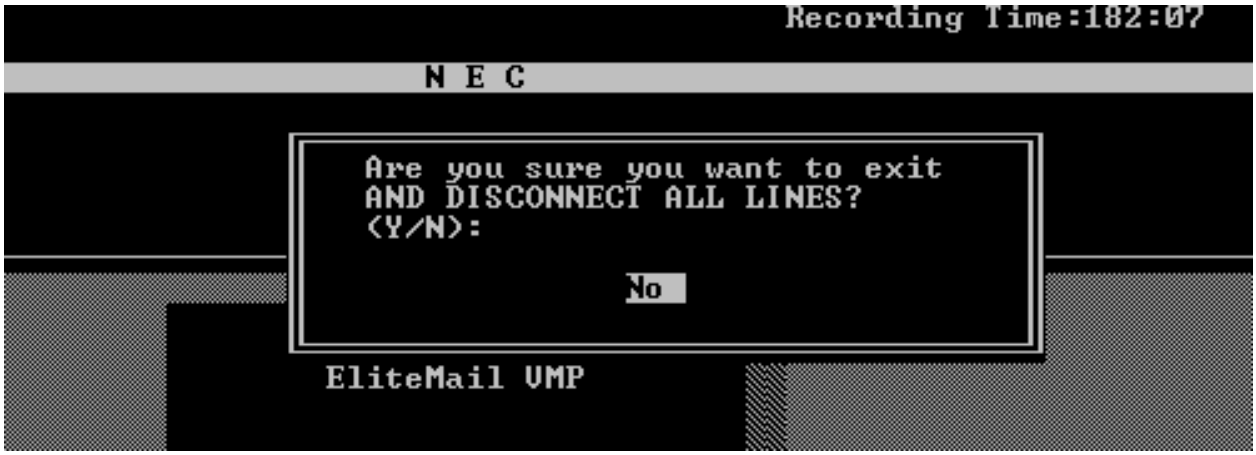

Figure 11 Disconnect

Figure 12 Exit ID

3. From the Utility menu type **[X]** and press **Enter**.

4. You will now be at the c:\>Vmail prompt.

5. Type **copy cps.ini cps.bak** and press **Enter**. This will make a backup copy of the cps.ini.

6. Type **ted cps.ini** and press **Enter**.

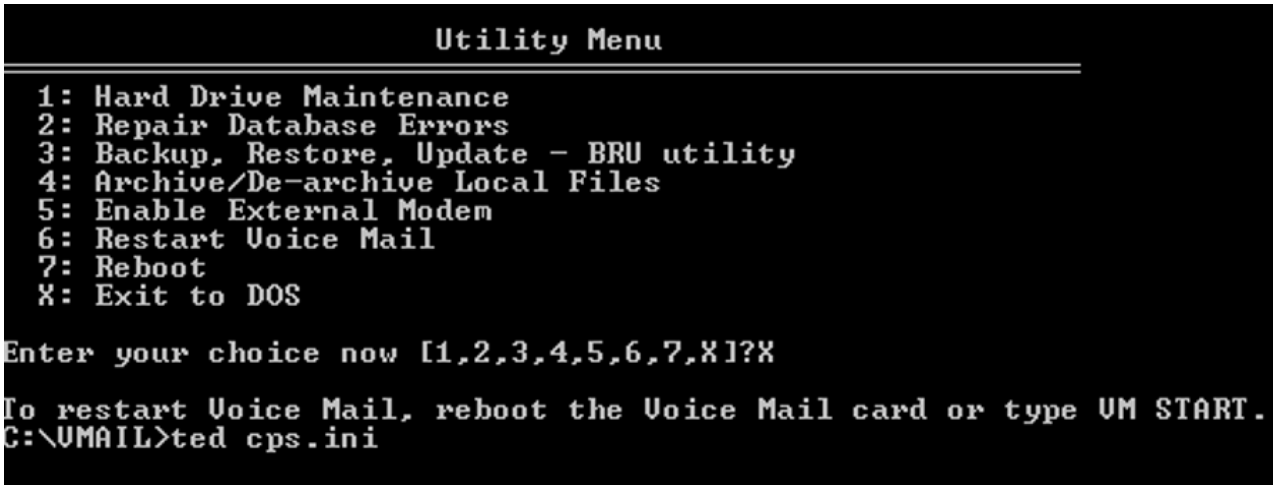

Figure 13 Utility Menu

7. Scroll down to the section titled **Security**.

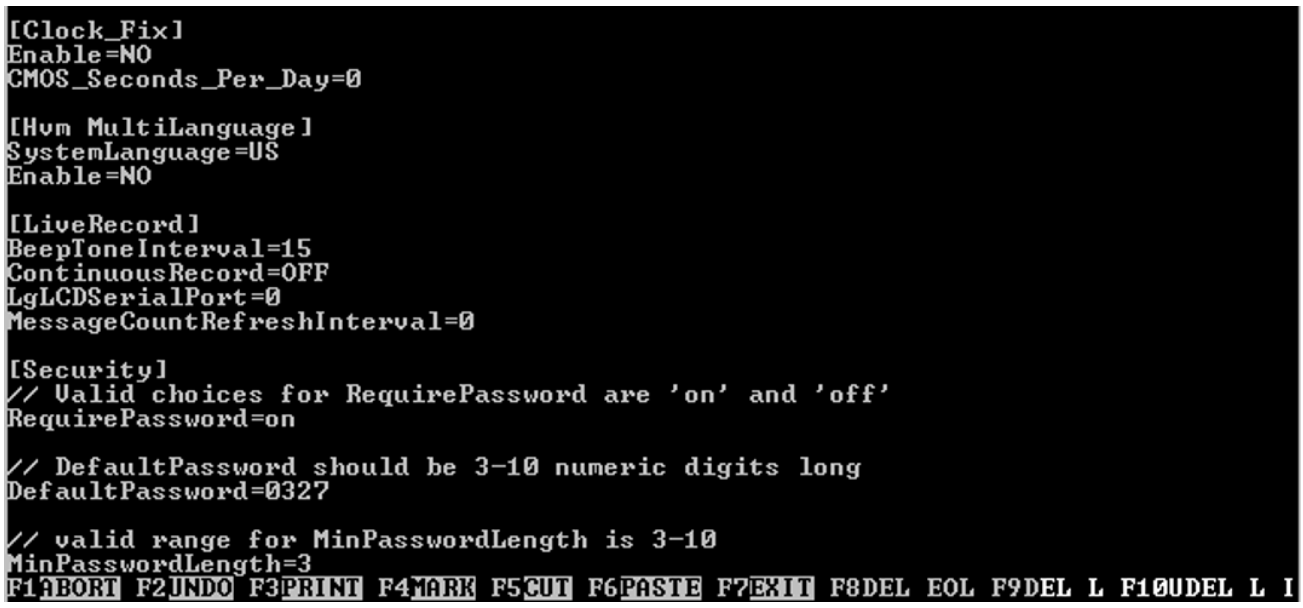

Figure 14 Security Section

In the Security section you can:

Warning: Make sure you do not change the spelling of the parameter and only change the value it is set equal. There should not be any space between the = and the value.

- ✆ Disable the **RequirePassword** parameter by setting it to **No**. This is not recommended as it disables forced system security features.
- ✆ Change the **DefaultPassword** parameter, it must be numbers only and should have at least as many digits as required in the MinPasswordLength field.
- ✆ Change the minimum allowable password length setting.

8. When you are done making changes press **F7** to exit, the system will verify the file name to save it under (**cps.ini**), and exit by pressing **Enter**.

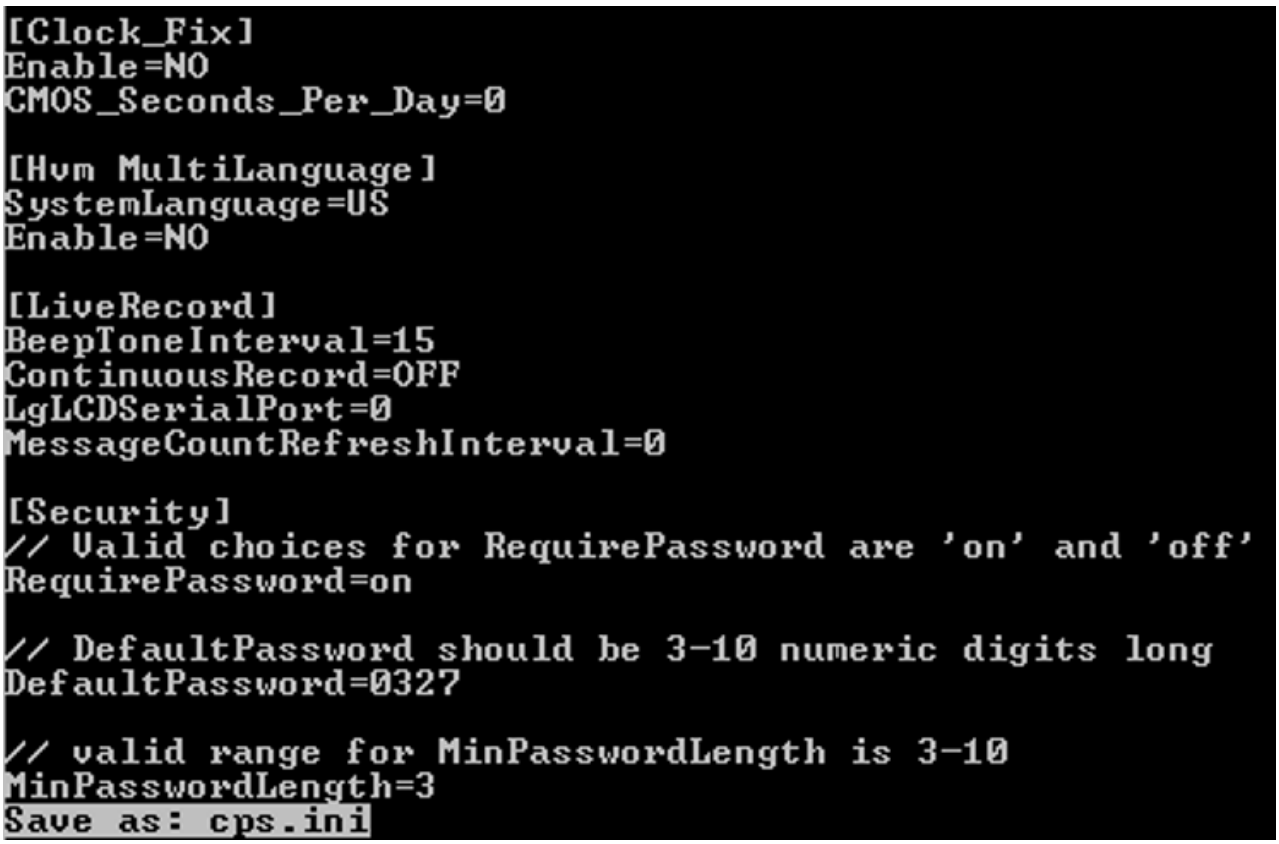

Figure 15 Disabling Password

9. Restart the voice mail by typing **vm start** and pressing **Enter**.

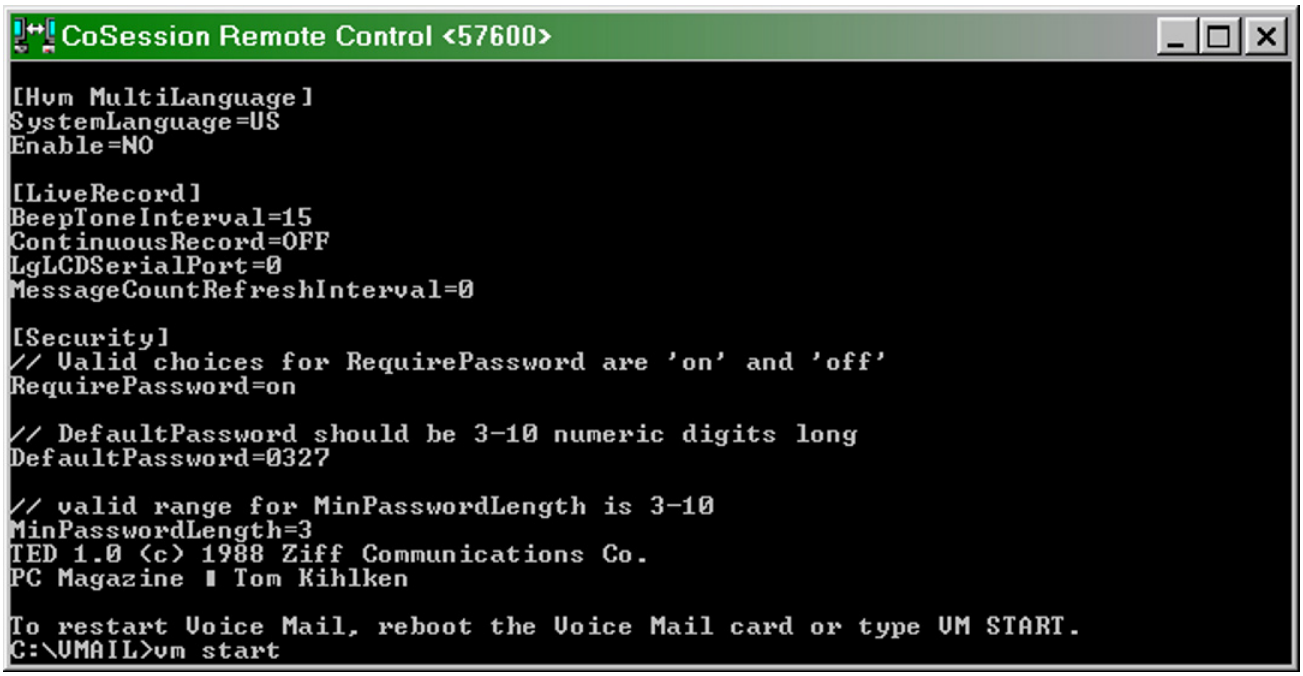

Figure 16 Restarting Voice Mail

PROGRAMMING ENTITY-BASED MULTILINGUAL

Note: This feature only works on hard drive-based voice mails. The system must be activated for at least two languages for this feature to work. If the system is not enabled for at least two languages contact Customer Service for an upgrade.

1. From the Cosession Main menu connect to the voice mail. You can use either a direct or modem connection.

2. From the banner press **Escape**, when prompted. If you want to exit the voice mail application press **Y** for yes, then enter the system administrator password at default **nec**.

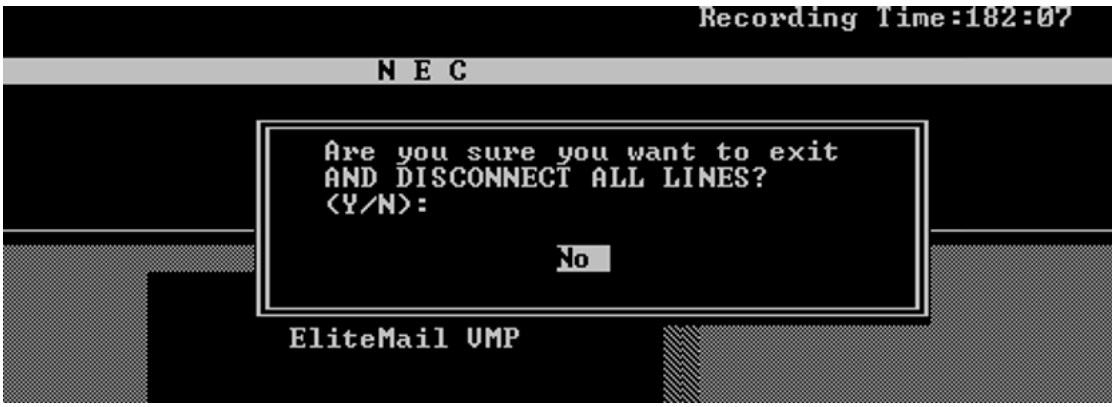

Figure 17 Disconnect All Lines

Figure 18 System Administrator ID

3. From the Utility menu type **[X]** and press **Enter**.
4. You will now be at the c:\>Vmail prompt.
5. Type **copy cps.ini cps.bak** and press **Enter**. This will make a backup copy of the cps.ini.
6. Type **ted cps.ini** and press **Enter**.

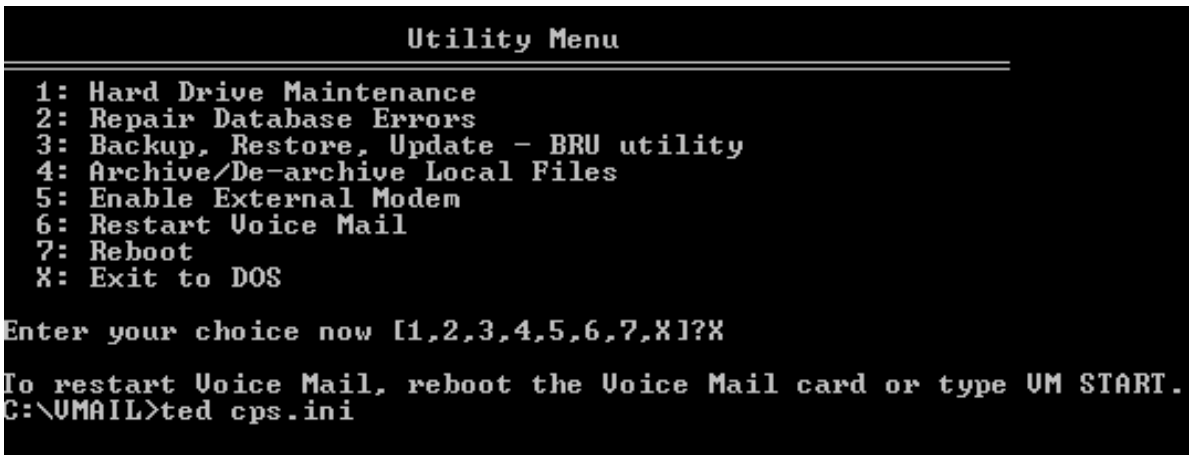

Figure 19 Utility Menu

7. Scroll down to the section titled **Multilingual**. If you want the subscriber mailbox, Interview Box or Transaction box language setting to override any port language setting, set **Subscriber = 1**.

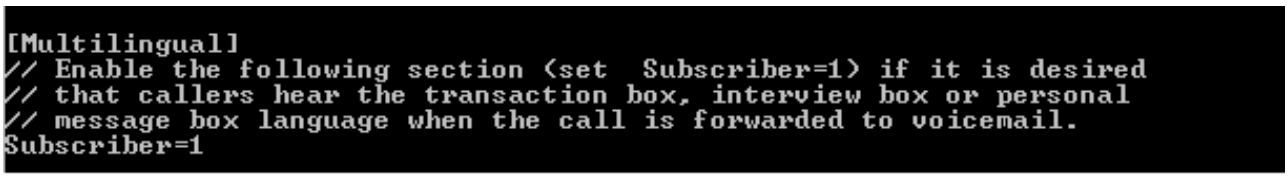

Figure 20 Multilingual Screen

8. Scroll down to the section titled Hvm MultiLanguage and set the default system language. The options are:

   US = English

   ES = Spanish

   FR = French

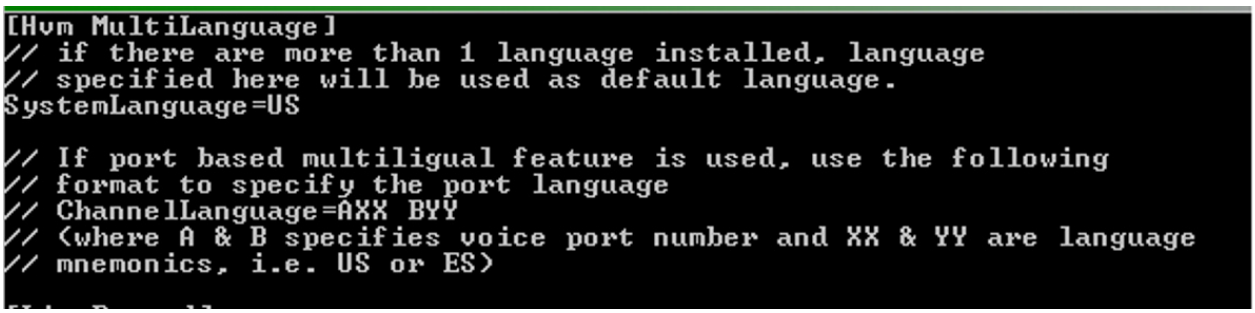

Figure 21 Specifying a Language

Note: You can also set a port to use any installed language as the default. Simply set the Port equal to the language, for example Port1=ES. Any port not specified will use the default language as set under Hvm MultiLanguage.

9. When you are done making changes press **F7** to exit, the system will verify the file name to save it under (**cps.ini**) and exit by pressing **Enter**.

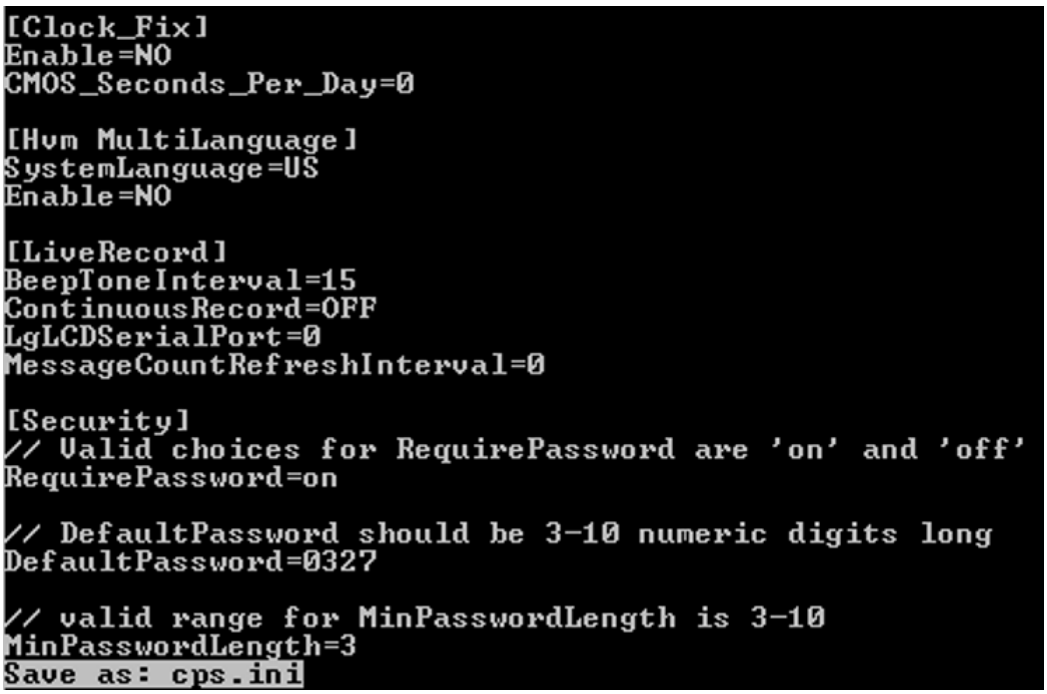

Figure 22 Setting a Default Language

10. Next restart the voice mail by typing **VM Start** and, if needed, create a **Language Select box**, see section PROGRAMMING A LANGUAGE SELECT BOX on page 26.

PROGRAMMING A LANGUAGE SELECT BOX

To create a Language Select Box:

1. Go to the **Transaction Directory**.
2. Press **F8** key to bring up the **Add Menu**.
3. Add the Language Selection Box to by choosing **Language Selection Box** choice.
4. Enter the **system ID**, for example $LANSEL and the **box name**.
5. Record the appropriate greetings and choose the language and actions for any touch tone that will be used.
6. Specify the action for each touch tone that will be used.
7. Change the settings for **One-key Delay**, **Wait for TT**, and **Repeat Greeting** fields if desired.

Figure 23 Change the Settings of Touch Tones

8. If this is to be the main greeting box, record a Introduction for **$LANGSEL** using a local connect.

9. Optionally the greeting for each selection can be recorded using a local connect. The system will play the recorded greeting for each entry as the main greeting starting at the top and continuing until there are no more recorded entries.

10. Next enter the system ID for the **Language Select box**, for example $LANGSEL, for all ports day and night on the Easy Made Application page 2.

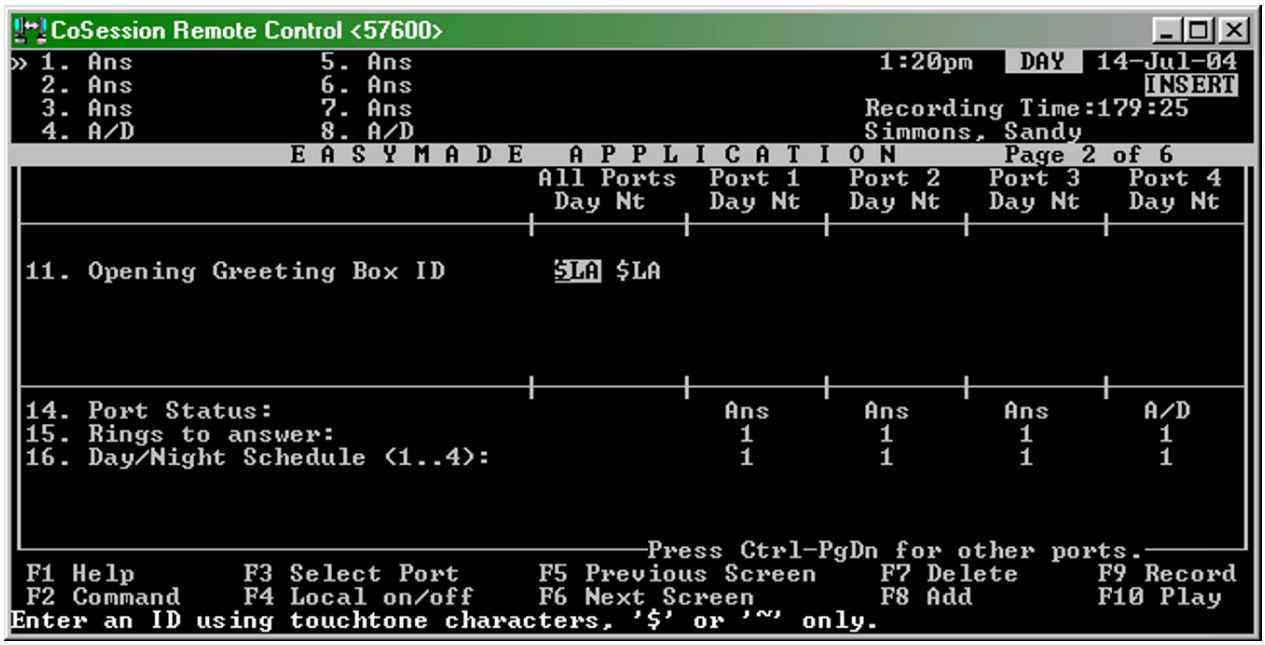

Figure 24 Opening Greeting Box ID

11. If the default opening greeting transaction box $GREETING will be used set a one touch dial access code to route callers to the language select box.

CONFIGURING ELITEMAIL VMP( )-U40 FOR REMOTE CONSOLE PROGRAMMING

Built-In Modem Configuration

All VMP( )-U40 ETUs have built-in modems. No activation code or additional hardware is required. The system ID used for the modem connection is not an extension on the telephone system – it is an internal ID used by voice mail only.

1. From console programming, connect to voice mail using a direct connection. Refer to INSTALLING COSESSION REMOTE SOFTWARE (7.X) on page 18.

2. The default ID to access the internal modem from the automated attendant is 663. If another ID is desired, set it on Easy Made Application, Page 1 line 8.

   Note: This ID is not an extension on the telephone system – It is an internal ID used by voice mail only.

3. Escape out to banner screen, and shut down the voice mail application by pressing **ESC**, and entering the login password at default, **nec**. Press **[Y]**, when prompted, to shut down the application.

4. Place Switch S3 on voice mail ETU in the **SHUT DOWN** position.

5. Verify that the Shutdown LED is **ON**.

6. Place Switch S2-3 to **ON**.

7. Place Switch S3 on the voice mail ETU in the **RUN** position.

8. Verify the correct modem type and the baud rate are set for the modem used on the remote/ technician PC.

   Note: No login name or password is required to remotely connect to these ETUs.

9. Remember to include the modem ID in the dial string for your remote connection.

   Example: 9,214-555-1212,,,663,,

External Modem Configuration

Note: This has only been tested with US Robotics modems. For this application modem dip switches 3 and 8 should be down and all other dip switches should be up.

1. From console programming, connect the PC to the VMP( )-U40 ETU voice mail using a direct connection. Refer to the Installing INSTALLING COSESSION REMOTE SOFTWARE (7.X) on page 18.

2. From the Banner screen, shut down the voice mail application by pressing the **[ESC]** key.

3. Enter **[Y]** for yes and enter the password (default is **nec**).

4. From the Utility menu, enter **5** to enable external modem support.

5. From the Utility menu, enter **[x]** to exit to DOS.

6. Place Switch S3 on the voice mail ETU in the **SHUT DOWN** position.

7. Verify that the Shutdown LED is on.

8. Turn **OFF** the KSU system power.

9. Wearing a ground strap, remove the ETU from the KSU.
10. Set jumper J1 to the **2-3** position.
11. Set dip switch SW2 position **3** to on.
12. Place Switch S3 on the voice mail ETU to the **RUN** position.
13. Install the voice mail ETU in the KSU.
14. The Cosession host initializes the modem on start up, so make sure the modem is connected to the VMP( )-U30 ETU and powered **ON**.
15. Turn on the power to the KSU.
16. Verify the correct modem type and the baud rate are set for the modem used on the remote/ technician PC.

    Note: No login name or password is required to connect remotely to these ETUs.

Table 1 Switch Settings for EliteMail VMP( )-U40 ETU

Reset Power Switch S1				Used for development only.
DIP Switch S2				
DIP SW 1	**DIP SW 2**	**DIP SW 3**	**DIP SW 4**	**Description**
ON				Enable HostKey and run Manufacturing Test (NEC Production use only)
ON	ON			Enable HostKey with floppy disk redirection and run Manufacturing Test (NEC Production use only)
		ON		Connect to CoSession using modem instead of direct cable connection
			ON	Start BRU Host with direct cable connection
		ON	ON	Start BRU Host with modem connection
	ON		ON	Connect to CoSession using direct cable connection, but do not start the voice mail software (for troubleshooting and maintenance only)
SHUT DOWN Switch S3				Used to identify the position of SW3
RUN Position				LED 6 is on Red
SHUT DOWN Position				LED 7 is on Red

Table 2 Jumper Settings

J1	
1 - 2	No external modem connected **(default)**
2 - 3	External modem connected
J7	
1 - 2	Compact Flash is master drive
2 - 3	HDD is master drive **(default)**

Table 3 Connector Definitions

Connector	Definition
CN2	Backplane connector
CN4	Not used
CN6	Used for compact flash drive
CN8	Hard drive connector
CN9	Not used
CN10	Not used
CN11	COM port for console programming connection.
CN12	Port expansion connector for DSP-U40 Unit to support ports 5~8.

Table 4 VMP( )-U40 ETU LED Indications

LED	Description	On	Flashing	Off
LED 1, AP1 Application Software:	Running without errors Running with errors Not Running	Green Amber Red	Not Used	Not Used
LED 2, AP2	Not Used	Not Used	Not Used	Not Used
LED 3, DRIVE	Hard Drive Access	Red if accessed	Not Used	When not accessed
LED 4, CF PWR	Power to the ETU	Red if power is on	Not Used	No power to ETU

Table 4 VMP( )-U40 ETU LED Indications (Continued)

LED	Description	On	Flashing	Off
LED 5, ICGA	Live LED	Not Used	Red every 125ms during operation	Operation is shut down
LED 6, Switch S3 Indication	Do not remove Voice Mail from KSU	Red when S3 in RUN	Not Used	S3 not in RUN position
LED 7, SHUT DOWN	Safe to remove Voice Mail from KSU	Red when S3 in SHUT DOWN	Not Used	S3 not in SHUT DOWN position
LED 8, Power	Receiving KSU power	Red if power is on	Not Used	No KSU power
LED 9, FED DSP	For development only	Not Used	Not Used	Not Used
LED 10, CH1	OFF/ON HOOK status	Red for Off Hook	Not Used	On Hook
LED 11, CH2	OFF/ON HOOK status	Red for Off Hook	Not Used	On Hook
LED 12, CH3	OFF/ON HOOK status	Red for Off Hook	Not Used	On Hook
LED 13, CH4	OFF/ON HOOK status	Red for Off Hook	Not Used	On Hook
LED 14, CH5	OFF/ON HOOK status	Red for Off Hook	Not Used	On Hook
LED 15, CH6	OFF/ON HOOK status	Red for Off Hook	Not Used	On Hook
LED 16, CH7	OFF/ON HOOK status	Red for Off Hook	Not Used	On Hook
LED 17, CH8	OFF/ON HOOK status	Red for Off Hook	Not Used	On Hook

The first four channel LEDS are also used during startup to signify:
LED 1 = BICOM driver loaded
LED 2 = Scandisk completed successfully
LED 3 = CoSession Host loaded successfully
LED 4 = Voice Mail started successfully
After system is up and running these LEDs are turned off, and all channels are ready to receive calls.

When Voice Mail fails to start, all eight channel LEDs and the BCLR LED (AP1) are on.

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