

Aristel Networks

**Voice Mail
Installation and Programming Manual v6.0 r5**

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1. Introduction

The embedded Aristel “VOCAL” voice mail solution offers advanced simple unified messaging features such as: voice mail, fax and automated attendant functionalities.

The ARIATEL/VOCAL voice mail was designed by ITS with the latest cutting edge technology, including flash memory and digital signal processing. It supports a wide array of voice messaging features.

ARISTEL/VOCAL voice mail can be easily administrated through a PC. The Windows PC based application is intuitive to the extent that a technician with only a light background knowledge can easily program the system.

1.1 Manual Audience and Contents

The *Voice Mail Installation and Operation Manual* is intended for System Installers and Administrators, responsible for the installation, setup and programming of the D2VMCA card.

Notes:

Please read this manual before installing, programming and operating the D2VMCA card.

This manual contains the following:

Chapter	Heading	Chapter	Heading
1	Introduction	6	User Operating Instructions
2	General Description	7	Troubleshooting
3	Installation	8	Programming Commands
4	DTMF Programming	9	Programming Forms
5	Programming by Computer	10	System Messages

2. General Description

This unit is a multilingual Voice Mail/Automated Attendant card for DV-38 and DV-96 for organizations that have between eight and ninety six employees. This unit incorporates state of the art technology, including DSP, flash memory and SMT production.

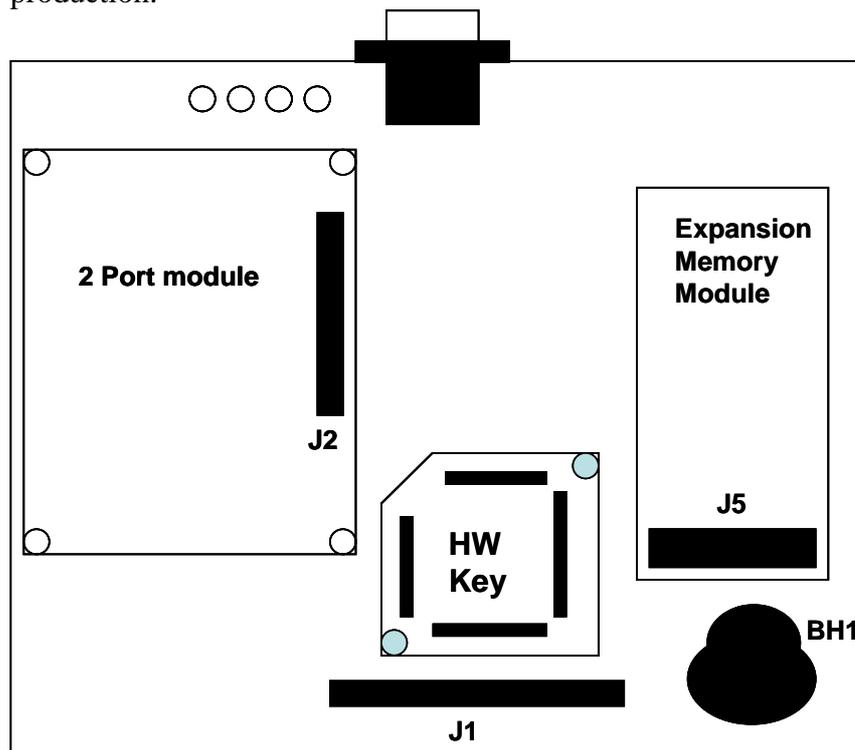


Figure 2-1 General View

The unit is available in two or four ports and with up to 128 mailboxes. It provides 10 to 40 hours of recording time.

The system administrator can be programmed by a computer using the Voice Mail Utility Program (VUP) or by a touch-tone telephone extension.

Installing the unit is quick and easy. Just mount it into DV-38 or DV-96 and connect it to the VSU connector. **POWER DOWN THE SYSTEM FIRST.**

The unit is ready for use immediately after the system administrator completes a short procedure that includes setting up integration parameters, mailboxes, notification type, system schedules and opening greetings. Mailbox owners can then set up their own personal mailbox parameters.

The unit is a powerful voice mail system at an affordable price. It contains most of the useful features and services provided by A PC-based system but at a lower cost. The unit's features can be divided into three groups:

- System Administration
- Automated Attendant
- Voice Mail

2.1.1 System Features

- Configuration

The unit is available with two ports and 10 hours of recording time. The system can be upgraded by adding a 2-port expansion card and flash memory expansion card to the motherboard. This will provide four ports and up to 40 hours of recording time.

- Programming

The system administrator can program the unit by:

- Touch-tone telephone extension using DTMF tones
- Digital key telephone from DV-38 or DV-96
- Computer using the Voice Mail Utility Program (VUP). The installer should save the files containing the parameters set in each installation.

- Message Notification

The unit automatically notifies the mailbox owner of new messages in different ways according to the system configuration. Notification may be local extension or remote (to a telephone at a remote location, a cellular telephone or a pager).

- Security Passwords

The unit supports three types of passwords, each with four digits:

- **System Administrator.** Gives access to all data stored in the unit.
- **Operator.** Gives access to the operating modes of the system. The available operating modes are: Day, Night, Holiday and Break.
- **Mailbox.** Gives access to individual mailboxes. Mailbox owners can change the password at any time.

2.1.2 Automated Attendant Features

The unit's automated attendant answers incoming calls and through a series of recorded menus and telephone directories, helps the callers reach the desired extension.

- Opening Greeting

The unit plays a pre-recorded greeting to callers. The opening greeting usually includes the organization's name, how to reach an extension, department or operator, how to switch languages, how to leave a message and to access a directory.

During the greeting, callers can access a department by dialing a single digit, dialing the extension number or holding for assistance.

- Operating Modes

Depending on the time and the system schedule, the unit answers external calls with one of four opening greetings:

- Day Mode

During normal business hours, the unit answers calls with a pre-recorded daytime greeting. The daytime greeting enables the caller to reach a requested extension, mailbox, department, and directory or to switch languages.

- Night Mode

During non-working hours, the unit answers calls with a pre-recorded nighttime greeting that enables the caller to leave a message in a requested mailbox.

- Holiday Mode

During holidays, the unit answers calls with a special greeting that enables the caller to leave a message in a specific mailbox or in the operator's mailbox.

- Break Mode

The system administrator can program part of the day mode as break time. During break time, the unit answers calls with a special greeting that enables the caller to leave a message in a specific mailbox or in the operator's mailbox.

- System Schedules (Auto-Mode)

If your organization has operating hours that vary from day to day, the system administrator can define the daily operating schedules on a weekly basis, including daytime, nighttime and break time hours. When the Auto mode is activated, the unit automatically switches between the day, night and break modes according to the pre-defined schedule.

The operator can override the pre-defined system schedule and switch manually to day, night, break, or holiday mode using a password.

- **Holiday Schedules**

The unit switches automatically to Holiday mode on dates programmed as holidays. During holidays the unit answers calls with the special holiday greeting.

- **Fax Detection**

If the unit detects a fax tone (CNG) during the opening greeting, it automatically transfers the call to the pre-defined fax extension.

- **Directory Listing (Dial By Name)**

The unit can provide a list of mailbox owner names. The directory listing enables calls to be transferred to all extensions configured within the list. A caller can access the directory listing by following instructions during the opening greeting.

In order to enable a directory listing call transfer, the mailbox owner must record his name and a three-letter code. A caller can reach the proper extension after dialing the respective code and verifying a correct extension according to the mailbox owner's name.

The system administrator enables two methods of directory listing: according to the mailbox owners first or last name.

- **Multilingual Option**

The unit can operate in three languages simultaneously. The system administrator can configure each mailbox to operate in one of the three selected languages. The caller can select the language in which the system messages (prompts) are played.

- **Script Menus**

The unit supports up to 39 script menus. A script menu is a recorded announcement that can accept a digit entry (0-9) during playback. Based on the digit entered, the unit can take one of the following actions:

- Transfer the call to another script menu
- Transfer the call to another script menu and change the language
- Transfer the call to an extension or hunt group
- Transfer the call to a mailbox
- Dial a string of DTMF (10 different strings and up to 20 digits for each string including special characters)
- Retrieve messages from a mailbox
- Disconnect the line
- Leave a message
- Play the directory listing

2.1.3 Voice Mail Features

The unit enables a caller to leave a message, recorded in his own voice, in any mailbox. The mailbox owner can access his/her mailbox at any time from any touch-tone telephone and listen to his/her messages. Mailbox owners can also modify their own mailbox parameters. Up to 47 messages (new and saved) can be stored in the mailbox.

- Real/Virtual Mailboxes

The unit supports up to 128 real and virtual mailboxes. A real mailbox has a telephone extension, whereas a virtual mailbox does not.

- Personalized Mailboxes

Mailbox owners can personalize their mailboxes by recording a personal greeting, assigning a personal password to the mailbox and setting optional parameters.

- Personal Greeting

Mailbox owners can record or change personal greetings at any time from any touch-tone telephone. Callers first hear the personal greeting of the extension called and then they can leave a message.

- Day and Time Stamp

The system administrator can program the unit to indicate the start of each message and the day and time it was recorded.

- Message Deletion

Mailbox owners can manually delete messages or the system administrator can program the unit to automatically delete all messages after a specified number of days.

- Message Forwarding

Mailbox owners can forward copies of messages to other mailboxes or mailbox groups. Mailbox owners can also record an introduction to the forwarded message.

- Message Reply

Mailbox owners can reply, directly, to a message and record a message in the sender's mailbox.

- Mailbox Groups

A caller can send a message to all the members of a mailbox group at one time.

All defined mailboxes belong to the "All Group" mailbox group. In addition, the system administrator can create up to four mailbox groups, each containing up to twenty mailboxes. Mailboxes can belong to more than one group and can be added to or deleted from a mailbox group by the system administrator. Each mailbox group can be assigned with a mailbox group greeting.

- Do Not Disturb Mode

Mailbox owners can set their mailboxes in the Regular Mode or Do Not Disturb Mode. When a caller dials a Do Not Disturb extension using the Automated Attendant menus, the unit plays a special “Do Not Disturb” menu and does not transfer the call to the extension.

- Individual Language Selection

The system administrator can select one of the languages supported by the unit. When the mailbox owner or caller enters the mailbox, the unit automatically switches to the selected language.

- Adjustable Recording Length

The system administrator can select the length of all recorded messages in the unit. The selected length will control the following types of messages: scripts, greetings, names and incoming messages. Changing this parameter will affect the operation unit.

- Automatic Gain Control (AGC)

When this feature is enabled, the unit automatically adjusts the line volume so incoming messages will be recorded at the same level.

2.2 The Basic System Description

The unit is a digital system consisting of a:

- Sophisticated DSP voice-processing device
- Flash memory for storing voice recording and parameter data
- Central Processing Unit
- Two or four ports
- Real-time clock

The unit provides two major services:

- Automated Attendant
 - Uses menus and sub-menus to transfer calls to specific departments, extensions or mailboxes.
- Voice Mail
 - Receives and delivers messages. Each mailbox has its own number and mailbox owners have passwords enabling them access to their mailboxes.
 - Messages can be saved, deleted or transferred to other mailboxes. Mailbox owners can also send identical messages to groups of mailboxes or to all the mailboxes in the system.

By configuring the following, the unit's Automated Attendant and Voice Mail System can be customized to suit the needs of the company:

- PBX parameters
- Automated Attendant script menus and customized "Busy", "No Answer" and "Do Not Disturb" menus in up to three different languages simultaneously.
- Voice Mail features include: mailboxes, mailbox groups and various types of message notifications for each mailbox

The unit comes with two ports and 10 hours recording time. You can upgrade the unit by adding a 2-port expansion card to the motherboard to provide four ports.

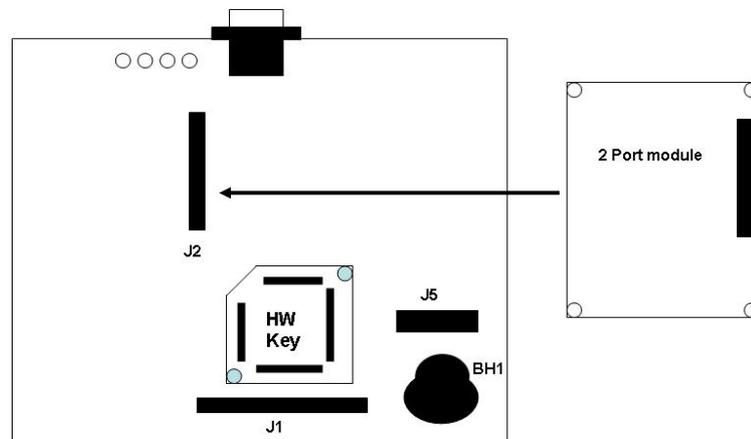


Figure 2-1 Options for Upgrading the Basic System

2.3 Physical Description

General view of the unit shows as Figure2-2.

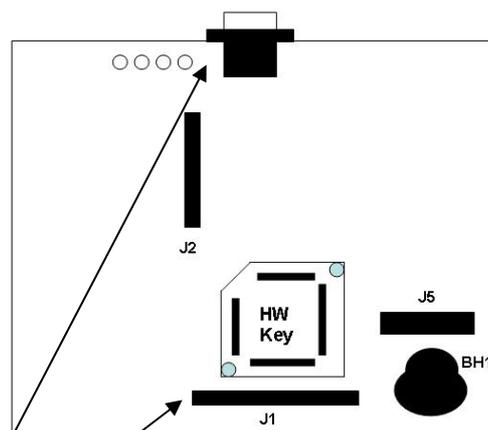


Figure 2-2 General View of the Unit

Numbered items in this description correspond to the labels in Fig 2-2.

1. Flat cable Connector Connects the unit to the DV-38 or DV-96
2. RS-232 Connector Connects the unit to a PC

2.3.1 LED

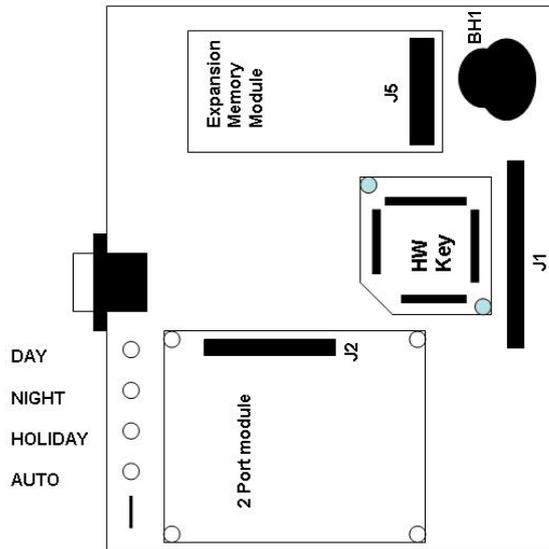


Figure 2-3 LEDs on the board

The following table describes the function of the four LEDs on the front panel.

STATUS	DAY	NIGHT	HOLIDAY	AUTO
Day Mode: Manual	On	Off	Off	Off
Night Mode: Manual	Off	On	Off	Off
Holiday Mode: Manual	Off	Off	On	Off
Break Mode: Manual	On	On	Off	Off
Day Mode: Auto	On	Off	Off	On
Night Mode: Auto	Off	On	Off	On
Break Mode: Auto	On	On	Off	On
System Error ¹	Off	Flashing	Off	Off
System Error ¹	Flashing	Flashing	Flashing	Flashing
System Error ¹	Flashing	Flashing	Flashing	Off
Automatic Self-Test	On	On	On	On

¹ Please contact your local dealer.

3. Installation

The unit is delivered completely assembled. It is designed for connection into the DV-38 or the DV-96 systems.

3.1 Unpacking

Before unpacking, inspect the package, if you notice any damage, immediately report it to your local dealer.

- To unpack the unit:
 - 1) Place the package on a flat surface and open it.
 - 2) Remove the contents of the package and place them on a clean surface.
 - 3) Remove all packing material.
 - 4) Inspect the contents, if you notice any physical damage, immediately report it to you local dealer.

3.1.1 Installing the Unit

To install the Unit:

- 1) Plug the Unit into DV-38 or DV-96 cabinet. Use the drill template to place the four screws. **Please power off the DV-38 and DV-96 before installing.**
- 2) Connect the flat cable connector to the sockets on the side of the DV-38 or DV-96.
- 3) Make sure the connection is correct.
- 4) Power on the DV-38 or DV-96. The LED's will turn on and off, one after another and then the LED indicating the status of the unit turns on.
- 5) Dial #862 from any extension. You should hear the default greeting (system message no. 000. See Chapter 10).
- 6) Program the unit according to your required applications.

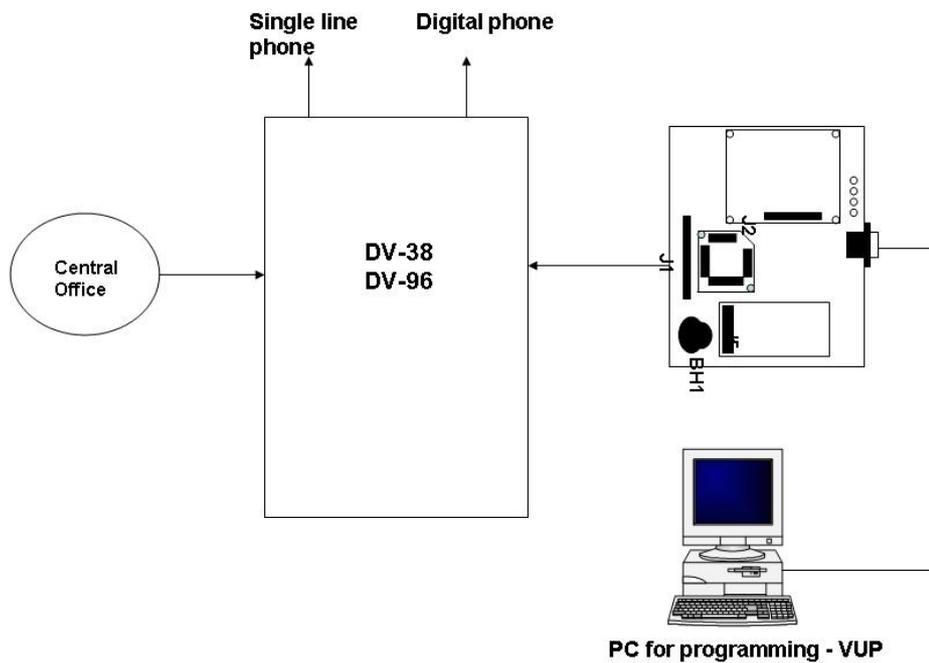


Figure 3-5 System Installation

3.1.2 Expanding the System to 4 Ports

The 2-port expansion kit contains:

- 2-port expansion card
- four plastic spacers

To install the expansion card:

Power off DV-38 or DV-96.

Place the four plastic spacers into the corresponding holes.

Insert the expansion card into the corresponding J2 connector.

Make sure the connection is correct before you power on.

Voice Mail System automatically detects four lines when it is turned on.

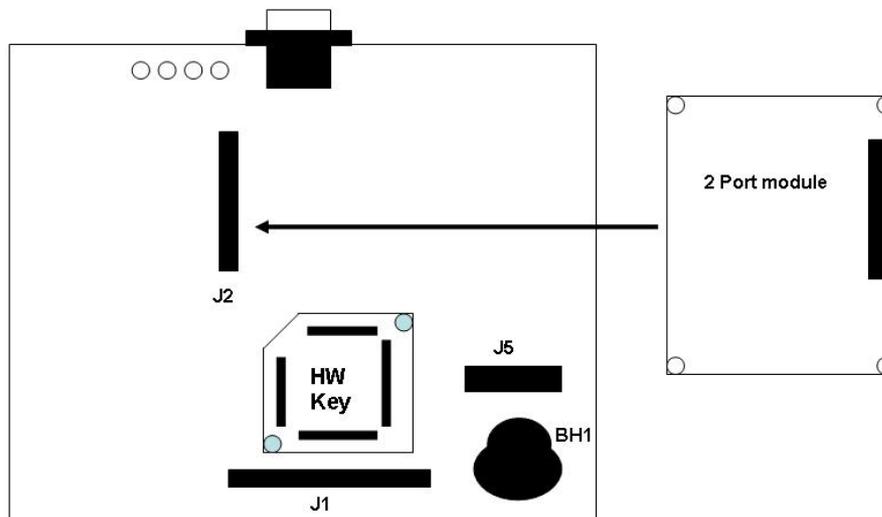


Figure 3-6 Expansion the System to 4 ports

3.1.3 Expanding the System to 40 Hours

The 30 hours expansion kit contains:

- 30 hours memory expansion card
- two plastic spacers

To install the expansion card:

Power off DV-38 and DV-96.

Place the two plastic spacers into the corresponding holes.

Insert the expansion card into the corresponding J5 connector.

Make sure the connection is correct before you power on.

Voice Mail System automatically detects 40 hours when it is turned on.

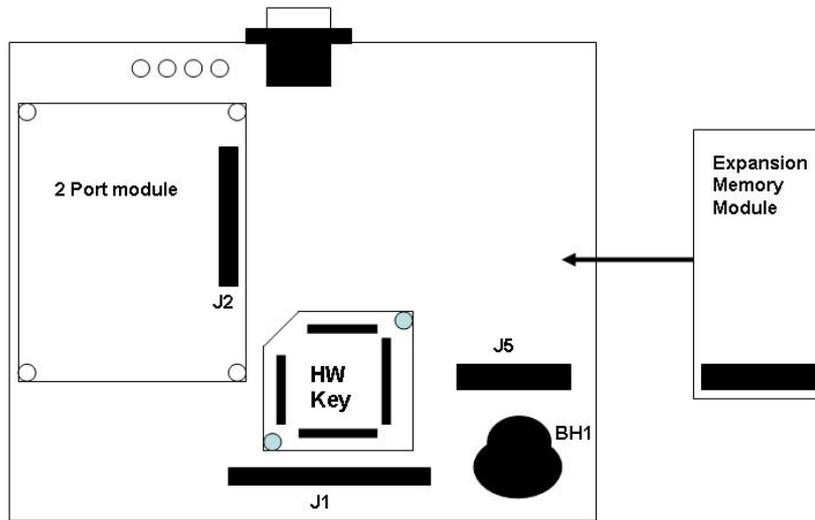


Figure 3-7 Expansion the System to 40 hours

4. DTMF Programming

The unit can be programmed by:

- Telephone using DTMF tones
- Computer using the Voice Mail Utility Program (see Section 5)

This section describes programming the unit using DTMF tones.

Note:

You will hear a confirmation tone every time you enter a programming command.

4.1 Entering and Exiting the Programming Mode

The unit does not handle calls when in the programming mode.

To enter the programming mode:

Dial #862 from any extension of the DV-38 or DV-96.

Wait until the unit answers and plays the opening menu. Then dial *900.

Dial the System Administrator's password (the default password is 1234) to enter the programming mode.

To exit the programming mode:

- Dial *900.
–or–
Do not dial for one minute.

Note:

If you exit the programming mode by *900, the unit plays the opening menu and you can then test the changes made to the system.

4.2 First Time Programming Checklist

Call from a touch-tone telephone to the unit. Dial #862 and you will hear the default message (system message 000 or script message 01- see Chapter 10).



Dial *900 and the administrator password (default: 1234) to enter the programming mode.



Set the PBX parameters (see Sections 4.3 and Section 6) to ensure the proper operation of the unit with your PBX.



Set the unit's real-time clock (see Section 4.4).



Set the system schedule (see Section 4.5).



Create mailboxes (see Section 4.6.1).



Define a notification type for each mailbox (see Section 4.6.3).



Define notification parameters (i.e., message light on and message light off and interval between ring notification in Section 4.6.3.)



Record (see Section 4.7.1) and program (see Section 4.7.2) script menus for the Automated Attendant. Make sure you define the mailboxes before building Automated Attendant script menus.

4.3 Defining PBX Parameters

To integrate the unit with your PBX, apply the PBX parameters to the unit. To obtain your current PBX parameters, check your PBX User's Manual or the current PBX setup configuration.

Note:

Do not forget to enter programming mode by dialing #862 and *900 and the administrators password before using the programming commands.

Table 4-1 presents the commands you must enter to apply the PBX parameters to the unit.

Table 4-1 PBX Parameter Commands

OPERATION	COMMAND	DEFAULT
Extension size	*300 + X where X is a digit 1-4 You can only change this parameter if mailboxes and/or legal extensions have not yet been defined.	3
Cut off time for continuous call progress tone detection	*301 + X where: X = cut off time in seconds (0-9)	6 seconds
Legal PBX Extensions	*320 + Y + First Ext. + Last Ext. + # where Y is a group number (0-9). Example: *320 0 330 350 # *320 1 355 375 # You can define up to 10 groups of legal extensions. If a caller dials an extension by direct dialing (code 170), The unit checks if the extension is legal. If the extension is not legal, The unit does not transfer the call.	None
Resetting a group	*320 + Y + 000 + 000 + # (the two groups of zeros can be 2, 3, or 4 digits long, according to the extension size)	
Resetting all groups	*320 + #	
Operator ID Code	*330 + X where X is a digit 0-9 When the caller dials this digit during any script message, the call is transferred to the operator.	0

OPERATION	COMMAND	DEFAULT
Disconnection Code	*333 + CODE¹ + # The unit terminates a call when it receives the disconnection code. The code can include up to four digits. Legal values for this code can be any combination of 0-9, *, #, and A-D.	###
Clear Disconnection Code	* 333 + #	
External Access Code	*340 + X + # where X is the external access code (0-9), Pause (*1). This code is applicable for external notification.	9
Clear External Access Code	*340 + #	
Pause before and after external access code	*341 + X where X is the length of the pause in seconds (0-9)	2 seconds
Transfer mode for all extensions	*350 + X + Y X = 1; All extensions except the operator X = 2; Operator extension only Y = 0; Non Supervised	Non supervised
Day operator, Night operator, Fax and Supervisor's extension numbers	*360 + X + YYYY + # where: X = 1; Day operator X = 2; Night operator X = 3; Fax extension X = 4; Supervisor extension <i>One mailbox can be defined as Supervisor. When storage memory reaches 80% of its capacity, a message is sent to this mailbox indicating the situation.</i> YYYY = Corresponding extension number.	0 0 – –

OPERATION	COMMAND	DEFAULT
Delete the extension assignments	*360 + X + # where: X = 1; Day operator X = 2; Night operator X = 3; Fax extension X = 4; Supervisor extension	
Volume level	*369 + X where: X = volume level (0-9), 9 = Loudest	5
Voice and DTMF Sensitivity	*376 + X + Y X = 1; Voice sensitivity level X = 2; DTMF sensitivity level Y = Sensitivity level (0-9) The volume at which the unit detects voice when the called extension answers or the volume level at which the unit detects DTMF throughout it's operation. <i>Note: The higher the sensitivity level, the higher the sensitivity to voice or DTMF.</i> <i>In order to activate the new selection, a new call must be initiated.</i>	5
Automatic Gain Control (AGC)	*377 + X X = 0 AGC disabled X = 1 AGC enabled When enabled, The unit will adjust the incoming messages volume to a set volume level. <i>Note: For the new value to take affect, a new call must be initiated.</i>	Enabled
DTMF amplitude	*379 + X where X = volume level (3-9), 9 = Loudest	5

CODE¹⁼

DTMF CHARACTER	NUMBER TO DIAL
Digits 0-9	0-9
*	**
Extension	*0
Pause	*1, indicates a 1 second pause
Hook Flash 1	*2
Hook Flash 2	*3
#	*4
A	*5
B	*6
C	*7
D	*8

4.4 Setting the Time and Date

Table 4.2 presents commands used to set the unit clock and calendar.

Note:

Do not forget to enter programming mode by dialing #862 and *900 and the administrator's password before using the programming commands.

Table 4-2 Commands to Set the Unit Clock and Calendar

OPERATION	COMMAND
Setting the time	<p>*420 + HH + MM where HH = hour (00-23) MM = minutes (00-59) Example: *420 15 25 stands for 3:25 p.m.</p>
Setting the date	<p>*430 + DD + MM + YY where DD = date of the month (01-31) MM = month (01-12) YY = year (00-99) Example: *430 15 03 97 March 15, 1997</p> <p><i>Note: 00 represents Year 2000.</i></p> <p><i>Note: The day of the week is automatically calculated by the system, based on the entered date.</i></p>
Listening to the system time	<p>*440 The system announces the date and time.</p>

4.5 Programming the Operational Mode

The unit can operate in Day, Night, Break, or Holiday mode. If the unit is in the Auto mode, it automatically changes modes according to programmed schedules.

Note:

Do not forget to enter programming mode by dialing #862 and *900 and the administrator's password before using the programming commands.

Table 4-3 Programming the Operational Modes

OPERATION	COMMAND
Selecting an Operational Mode	<p>*400 + X where X stands for the operational mode. Day mode = 0 (default mode) Night mode = 1 Holiday mode = 2 Auto mode = 3 Break mode = 4</p>
Selecting time stamp format (Used by English and Chinese languages only)	<p>*410 + X where X = 0 means the time stamp is in 12-hour format (default) X = 1 means the time stamp is in 24-hour format</p>
Setting the Working Time (for Auto mode only)	<p>*450 + D + hh:mm + hh:mm where D is the day of the week (1-7)¹ First hh:mm = start of work time in 24 hour format Second hh:mm = end of work time in 24 hour format</p> <p>Repeat for all days of the week.</p> <p>Example: *450 1 08 30 1700 means that the unit will play the Day mode opening greeting on Monday from 8:30 until 17:00. It will play the Night mode opening greeting the rest of the time.</p> <p>¹: Day 1 is Monday.</p>
Setting the Break Time (for Auto mode only)	<p>*460 + D + hh:mm + hh:mm where D is the day of the week (1-7)¹ First hh:mm = start of break time in 24 hour format Second hh:mm = end of break time in 24 hour format</p> <p>Repeat for all days of the week.</p> <p>Example 1: *460 1 13 15 14 30 This will play the Break mode opening greeting on Monday, from 13:15 until 14:30.</p> <p>¹: Day 1 is Monday.</p>

OPERATION	COMMAND
Entering annual holiday dates (For Auto mode only)	<p>*470 + DD + MM + hh:mm + hh:mm where: DD = Day of the month (01-31) MM = month (01-12) hh:mm = Start time; Hour and minutes in 24 hour format hh:mm = End time; Hour and minutes in 24 hour format</p> <p>Repeat for holidays</p> <p>Example 1: *470 02 12 08 15 23 45 The unit will play the Holiday mode opening greeting on December 2nd, from 8:15 until 23:45.</p>
Delete all holidays on a specific date	<p>*470 + DD + MM # where: DD = Day of the month (01-31) MM = month (01-12)</p>
Delete all holidays on a specific month	<p>*470 + ** + MM + # MM = month (01-12)</p>
Delete all holidays	<p>*470 + #</p>
External Notification Active Time	<p>*490 + hh:mm + hh:mm where: hh:mm = Start time; Hour and minutes in 24 hour format hh:mm = End time; Hour and minutes in 24 hour format</p> <p>Example 1: *490 09 00 20 00 The will activate the External Notification between 9 a.m. to 8 p.m.</p>

4.6 Programming the Unit

4.6.1 Creating Mailboxes

You can define up to 128 mailboxes. The mailbox number and its extension number are identical. Make sure that the number of digits in the mailbox number conforms to the number of digits in an extension (*300).

You can select one of the languages supported by the unit for each mailbox. After selecting a language, the unit:

- Plays all menus in the selected language.
- Plays all system messages (e.g., time stamp and error messages) in the selected language.

- If using ring or remote notification, the system notifies in the selected language.

A virtual mailbox can also be created for users who do not have extensions. When a caller dials a virtual mailbox number on the Automated Attendant menu, the call is immediately transferred to the Do Not Disturb menu and the caller is given the option to leave a message.

You may use the external notification features for the virtual mailboxes. Do not select internal notification because virtual mailboxes do not have extensions.

You can assign a mailbox for announcing messages but not recording incoming messages. This mailbox is called an Announcer mailbox. All mailboxes can be changed from a regular mailbox to an announcer mailbox and vice versa at any time.

Note:

Do not forget to enter programming mode by dialing #862 and *900 and the administrator's password before using the programming commands.

Table 4-4 Commands to Create Mailboxes

OPERATION	COMMAND
Creating a range of mailboxes	*500 + First Mailbox + Last Mailbox + #
Creating one mailbox	*501 + Mailbox Number + #
Selecting an announcer mailbox	*502 + XXXX + Y + # where: XXXX = existing mailbox number Y = 0; Regular mailbox (default) Y = 1; Announcer mailbox
Deleting a mailbox	*510 + Mailbox Number + # Make sure to remove any transfer to the mailbox from the Automated Attendant scripts before deleting the mailbox.
Creating a range of virtual mailboxes	*520 + First Mailbox + Last Mailbox + #
Creating one virtual mailbox	*521 + Mailbox Number + #
Defining whether to play or skip the time and date stamp during message playback for a range of mailboxes	*530 + First Mailbox + Last Mailbox + B + # where B = 0; Play the date and time stamp (default) B = 1; Skip the date and time stamp
Defining whether to play or skip the time and date stamp during message playback for one mailbox	*531 + Mailbox Number + B + # where B = 0; Play the date and time stamp (default) B = 1; Skip the date and time stamp

OPERATION	COMMAND
Defining a language for a range of mailboxes	*532 + First Mailbox + Last Mailbox + Z + # where Z = 1, 2 or 3 (language number)
Defining a language for a mailbox	*533 + Mailbox Number + Z + # where Z = 1, 2 or 3 (language number)

4.6.2 Creating Mailbox Groups

You can create up to four mailbox groups for distributing messages. Each mailbox group can contain up to twenty mailboxes. The group numbers are by default 000, 001, 002 and 003. Group 099 consists of all mailboxes (real and virtual).

You can select a different number for the first digit of the groups using code *545. Ensure that you select a number that does not clash with your PBX's numbering plan.

Note:

Do not forget to enter programming mode by dialing #862 and *900 and the administrator's password before using the programming commands.

Table 4-5 Commands to Create Mailbox Groups

OPERATION	COMMAND
Adding a mailbox to a group	*540 + Group Number + Mailbox Number + # Note: You must define the mailbox before adding it to a group.
Changing the number of the first digit in the mailbox groups	*545 + X where X is the first digit of the mailbox groups. Default is 0.
Deleting a mailbox from a group	*550 + Group Number + Mailbox Number + #
Resetting a group	*560 + Group Number Note: Resetting a group removes all the mailboxes within that group.

Note:

A separate greeting message can be recorded for each mailbox group.

4.6.3 Notification

The unit notifies the mailbox owner of new messages in different ways according to the system configuration. Notification may be local or remote.

Notification is always done on the second line.

Local Notification

You can select one of the following options:

- **None.** The notification feature is disabled.
- **Message Light On 1.** The Unit signals the PBX that a mailbox has received a message. The PBX then turns on the message light of the telephone extension. If the Message Light Off code is programmed, the code is transferred to the PBX after the mailbox owner retrieves all his new messages.

The system administrator can set the notification method to one of the two states (code *760):

- Notification on 1st new message
- Notification on every new message
- **Sign Rings.** The Unit rings the notified extension number. These Sign Rings may be sent at programmed intervals (code *720). The Unit stops sending Sign Rings after the mailbox owner retrieves all his new messages or the maximum number of retries has been made (code *750).
- **Rings.** The Unit rings the notified extension for a programmed time period (code *730). When the mailbox owner answers, the Unit prompts him to enter his password. After entering the password, the mailbox owner may retrieve his messages. If the mailbox owner does not answer, the Unit tries again at programmed intervals (code *720). The Unit stops sending Ring notifications after the mailbox owner retrieves all his new messages or the maximum number of retries has been made (code *750).

Remote Notification

The mailbox owner may choose to be notified at a remote location (i.e., his mobile telephone, home telephone or pager) by entering a remote telephone number (of up to 20 digits) or pager number (of up to 40 digits). You can use any combination of *, #, A-D, 0-9, and Pause when setting the remote notification telephone number.

After remote notification is enabled, the Unit will dial the remote phone or pager number and notify the mailbox owner of any new messages. After entering the password, the mailbox owner can retrieve his messages. The duration of remote notification rings is programmed using code *730.

The Unit stops sending Ring notifications after the mailbox owner retrieves all his new messages or the maximum number of retries has been made (code *750). The mailbox owner must obtain permission from the System Administrator to enable

remote notification. The System Administrator must use code *710 or *711 to grant permission.

The remote notification activation time can be programmed so the administrator can decide on the daylight hours for the external notification to be activated. The time span of this service is programmed using code *490.

When permission has been granted and the mailbox owner enables remote notification, the unit first dials the external access digit (programmed using code *340) and then dials the mailbox owner's remote telephone or pager number.

Note:

Make sure that you enter the remote telephone or pager number before enabling remote notification.

Notification is always done on the second line.

4.6.3.1 Setting Notification for Mailboxes

Notes:

Do not forget to enter programming mode by dialing #862 and *900 and the administrator's password before using the programming commands.

Virtual mailboxes do not have extensions and may not be configured for internal notification.

Table 4-6 Commands to Program Notification for Mailboxes

OPERATION	COMMAND
Setting local notification for a range of mailboxes	*700 + First Mailbox + Last Mailbox + X + # where X = 0 means notification is disabled X = 1 means Message Light On 1 is selected X = 2 not used X = 3 means Sign Rings is selected X = 4 means Rings is selected
Disable local notification for all mailboxes	*700 + #
Setting local notification for one mailbox	*701 + Mailbox + X + # where X is defined as above

OPERATION	COMMAND
Permitting remote notification for a range of mailboxes	* 710 + First Mailbox + Last Mailbox + Y + # where Y = 0 means remote notification is not permitted Y = 1 means remote notification is permitted
Disable remote notification for all mailboxes	* 710 + #
Permitting remote notification for one mailbox	* 711 + Mailbox + Y + # Y = 0 means remote notification is not permitted Y = 1 means remote notification is permitted
Ring Notification Interval	* 720 + XX where XX is a 2 digit number in minutes (1-99). Default = 30 minutes
Ring Notification Duration	* 730 + X where X = 0 stands for short time for rings (default) X = 1 stands for long time for rings
Maximum number of days to store messages	* 740 + XX where XX stands for number of days (00-99). 00 = Messages are not deleted by Voice Mail System.
Time to wait after off-hook for notification dialing	* 741 + X X = Time in seconds (0-9)
Number of Ring Notification retries	* 750 + XX where XX refers to the number of ring notification attempts. Default is 05.
Activate the LED notification	* 760 + X where X = 0 for 1 st new message (Default) X = 1 for every new message.

4.7 Programming the Automated Attendant Script Menu

The unit supports up to 21 script messages (00-20) for building the Automated Attendant menu. The unit also supports another six script messages in three languages (21-26 for the first language, 31-36 for the second and 41-46 for the third) for Busy menu, No Answer menu, Do Not Disturb menu and Post Recording menu (see Section 4.7.5).

The opening scripts for each line are selected by command *112.

The following numbers are dedicated by default to specific script messages:

- Script message number 00 to the Day Mode Opening Menu
- Script message number 10 to the Night Mode Opening Menu
- Script message number 15 to the Break Time Opening Menu
- Script message number 20 to the Holiday Mode Opening Menu

The rest of the script messages (01-09, 11-14 and 16-19) may be used in all modes without limitations.

Each script message has three parts:

- Script message number
- Recorded announcement
- Programming that indicates the action to be taken when a caller dials one digit (0-9) or dials nothing during an announcement

4.7.1 Recording Script Messages

Table 4-7 describes how to record script messages.

Table 4-7 Commands for Recording Script Messages

OPERATION	COMMAND
Recording a script message	*100 + XX + Beep + Record + #
Playback a script message	*101 + XX
Deleting a script message	*102 + XX

Note:

XX is script message 00-26, 31-36 and 41-46.

4.7.2 Programming Script Messages

You can program each script message separately. The programming command format for script messages is:

*** + Command Code + XX + B + YY + #**

Where:

Command Code defines the action that should be taken when B is pressed during playback of script message XX.

XX = a script message number.

B = the digit dialed by the caller during playback of script message XX or at the end of the message. B can be 0-9 or * (for end of message).

YY = the destination, which can be an extension, mailbox or another script message.

IMPORTANT:

Do not define the Operator ID digit on script messages.

Table 4-1 describes how to define the operator ID digit, which is then automatically reserved on all script messages.

The command codes used to build the Automated Attendant Script Menu are presented on the following pages. You can program one of the following actions for each script message:

- Play another script message
- Return to the opening menu
- Play another script message and change the language
- Transfer the call to an extension
- Transfer the call to the operator
- Transfer the call to a mailbox
- Disconnect the line
- Leave a message in a mailbox
- Retrieve messages from a mailbox
- Direct dial to an extension
- Transfer a call directly to a mailbox
- Place a call on hold
- Blind Transfer to the busy extension
- Play the directory listing

Technicians and System Administrators should program the script messages according to the application.

4.7.2.1 End Of Message Timeout

Sets the EOM timeout period for each script individually.

Command: $*105 + XX + Y + \#$

Where:

XX = Script number

Y = Timeout in seconds

Example 1: $*105 05 6 \#$

The Unit sets the EOM timeout to 6 seconds for script message 05.

4.7.2.2 Play Another Script Message

Builds submenus by transferring the caller from one script message to another.

Command: $*110 + XX + B + YY + \#$

Example: $*110 00 3 02 \#$

The unit plays script message 02 when “3” is dialed during playback of script message 00.

Note:

Make sure to record script message 02.

4.7.2.3 Select Opening Script

Selects the opening script message.

Command: $*112 + XX + YY + Z + \#$

XX = Default script number 00,10,15 or 20

YY = Replacement script number 00-20

Z = Line number 1-4

4.7.2.4 Transfer to the Opening Menu

Transfers the caller to the opening main menu. Used mainly by Busy and No-Answer script messages (21-24 for the first language, 31-34 for the second language and 41-44 for the third language), where the caller is given the option to return to the main menu.

Command: $*115 + XX + B \#$

Example: $*115 21 5 \#$

The unit plays the opening menu when “5” is dialed during playback of script message 21.

4.7.2.5 Transfer to a Script Message and Change the Language

Changes the system language and plays another script message. The unit supports up to three system languages simultaneously (factory loaded).

Command: $*117 + XX + B + YY + Z + \#$

XX = the current script message

B = the digit dialed by the caller during playback of script message XX

YY = the destination script message

Z = the system language digit (1, 2 or 3)

Example: $*117 00 7 01 3 \#$

The unit changes to the third language and plays script message 01 when “7” is dialed during playback of script message 00.

Note:

Make sure that script message 01 has been recorded in the appropriate language.

4.7.2.6 Select the Default Language

The unit can support up to three languages. The default language is the language the unit automatically uses if no other language has been selected.

To change the default language, dial #862 and *900 and the administrator password to enter the programming mode, then dial:

Command: $*118 + Z + \#$

Z = 1 is the first language (default)

Z = 2 is the second language

Z = 3 is the third language

Note:

The available languages are listed on the bottom panel of the Unit.

4.7.2.7 Transfer the Call to an Extension

Transfers the caller to an extension or department (hunt group).

The designated extension number may contain up to 4 digits and does not have to be in the range of legal extensions.

Command: $*120 + XX + B + \text{extension number} + \#$

Example 1: $*120 05 3 123 \#$

The unit transfers the call to extension 123 when “3” is dialed during playback of script message 05.

Example 2: $*120 00 * 1000 \#$

The unit transfers the call to hunt group 1000 at the end of script message 00.

4.7.2.8 Dials a Programmed DTMF String from the Auto-Attendant Script

Dials a programmed DTMF string from the Auto-Attendant script.

Command: $*121 + XX + B + Y + \#$

Y = The DTMF string number (0-9)

4.7.2.9 Transfer the Call to the Operator at the End of the Script Message

Transfers the call to the operator at the end of the script message. The operator extension is defined in Table 3-1 (code *360).

The unit transfers the call in supervised, semi-supervised or non-supervised mode depending on code *350 (see Section 4.7.5).

Command: $*125 + XX + \#$

Example: $*125 00 \#$.

The unit transfers the call to the operator at the end of script message 00.

4.7.2.10 Transfer the Call to a Mailbox

Transfers the caller to a specific mailbox number. The mailbox must be defined (see Section 4.6.1).

Command: $*130 + XX + B + \text{Mailbox number} + \#$

Example: $*130 01 5 152 \#$

Transfers the call to mailbox 152 when “5” is dialed during playback of script message 01.

4.7.2.11 Disconnect the Line

Disconnects the call at the end of the script message or if the caller dialed the disconnect digit during playback.

This command may or may not include the system message 001

Command: `*140 + XX + B + Z + #`

Z = 0; means disconnect the line with no message.

Z = 1; means disconnect the line with the above system message

Example: `*140 10 * 1 #`

The unit plays the disconnection message and then disconnects the call at the end of script message 10.

4.7.2.12 Leave a Message in a Mailbox

Initiates the procedure for leaving a message in a mailbox.

Command: `*150 + XX + B + #`

Example: `*150 00 8 #`

The unit asks for a mailbox number when “8” is dialed during playback of script message 00. After dialing the requested mailbox number, the caller hears the mailbox’s greeting and can leave a message.

4.7.2.13 Retrieve Messages from a Mailbox

Initiates the procedure for retrieving messages from a mailbox.

Command: `*160 + XX + B + #`

Example: `*160 00 9 #`

The unit asks for a mailbox number and password when “9” is dialed during playback of script message 00. After dialing the requested mailbox number and password, the mailbox owner can retrieve his messages and access the user menu to record a personal greeting, change his password, etc.

4.7.2.14 Direct Call to an Extension

Enables the caller to dial an extension directly by programming the first digit of the extension. When a caller dials the first digit of an extension during playback of a script message, the unit stops the message and waits for the rest of the digits of the extension. The number of digits in an extension is defined by code *300 in Table 4-1. You can enter up to four different digits.

Command: `*170 + XX + first digit(s) + #`

Example 1: `*170 00 2 #`

The unit waits for the rest of the extension number when “2” is dialed during playback of script message 00. After the caller dials the rest of the extension number, the unit transfers the call to the extension.

Example 2: `*170 00 2 4 #`

Same as Example 1, except the extension number starts with 2 or 4 (for extension numbers 2xx and 4xx).

4.7.2.15 Transfer Call Directly to a Mailbox

Transfers the call directly to a mailbox number. This feature is similar to directly dialing an extension, except the call is transferred directly to a mailbox. You can enter up to four different digits.

Command: *175 + XX + first digit(s) + #

Example 1: *175 00 2 #

The unit waits for the rest of the mailbox number when “2” is dialed during playback of script message 00. After the caller dials the rest of the mailbox number, the unit transfers the call to the mailbox.

Example 2: *175 00 2 4 #

Same as Example 1, except the mailbox number starts with 2 or 4.

4.7.2.16 Place a Call on Hold

Gives the caller the option to remain on hold. Valid only for script messages 21-22 (for the first language), 31-32 (for the second language) and 41-42 (for the third language), which are reserved for the extension Busy menus.

Command: *180 + XX + B + #

Example: *180 21 3 #

The unit places the call on hold for 10 seconds before trying to transfer the call again when “3” is dialed during playback of script message 21.

4.7.2.17 Blind Transfer to a Busy Extension

Transfers a call in blind mode to a busy extension. Valid only for script messages 21-22 (for the first language), 31-32 (for the second language) and 41-42 (for the third language), which are reserved for the extension Busy menus.

Command: *185 + XX + B + #

Example: *185 21 5 #

The unit immediately tries to transfer the call again when “5” is dialed during playback of script message 21.

Note:

Both Place a Call on Hold and Blind Transfer to a Busy Extension are used to transfer calls to a busy extension. Place a Call on Hold gives the option to retry every 10 seconds to transfer the call until the extension is available. In a Blind Transfer, calls are transferred to a Busy Extension immediately. This option is used when the unit is connected to a PBX that incorporates In-Band DTMF signaling.

4.7.3 Directory Listing Programming

The directory-listing feature (Dial By Name) allows calls to be transferred to proper extensions based on recorded names and codes of mailbox owners. The Directory Listing parameters are set through the commands explained in the following paragraphs.

4.7.3.1 Directory listing format

Changes the format of the directory listing. The unit supports two directory listing formats.

Command: `*011 + X`

X = 0; List according to last name (Default)

X = 1; List according to first name

4.7.3.2 Transfer to the directory listing

Transfers the call to the directory listing.

Command: `*111 + XX + B + #`

XX = Script number

Example: `*111 00 5 #`

Play the directory listing when “5” is dialed during playback of script message 00.

4.7.4 Reset Script Message Programming to Default

Resets a complete script message or only one entry. This command does not delete the recorded script message.

Resetting a Complete Script Message

Command: `*190 + XX + #`

Example: `*190 03 #`

Resets script message 03 to its default values.

Resetting One Entry in a Script Message

Command: `*190 + XX + B + #`

Example: `*190 02 5 #`

Resets entry 5 in script message 02 to its default value.

Default Values

- 0-9. If a caller dials a digit that has not been programmed (or set to default) during playback of a script message, the unit plays “This entry is not supported” and repeats the script message.
- If the caller dials the Operator ID code, the call is forwarded to the operator extension regardless of script message programming.

- At the end of a script message. If the caller does not dial a number during playback of a script message, the unit disconnects the call at the end of the message.

4.7.5 Non-Supervised Transfers

In a non-supervised mode, the unit transfers a call to the required extension without checking the status of the extension.

Note:

Do not forget to enter programming mode by dialing #862 and *900 and the administrator's password before using the programming commands.

The unit distinguishes between two types of transfers:

- Transfer to operator
- Transfer to the rest of the extensions

Table 4-8 explains how to program non-supervised transfers to the operator and to the rest of the extensions.

Table 4-8 Commands to Program the Transfer Modes

OPERATION	COMMAND
Transfer mode for all extensions	<p>*350 + X + Y where X = 1; All extensions except the operator X = 2; Operator extension only Y = 0; Non-Supervised (Default)</p>

4.7.5.1 Detecting a Busy Extension

If the unit detects a busy extension, it performs a Recall-from-Busy and by default plays system message 96 (if the extension has a mailbox) or 103 (if the extension does not have a mailbox). Refer to Section 4.7.5.3 for information on changing the default system messages.

4.7.5.2 Detecting a No Answer from an Extension

If the unit does not detect an answer from the extension, it performs a Recall-from-No-Answer and by default plays system message 97 (if the extension has a mailbox) or 104 (if it does not have a mailbox). Refer to Section 4.7.5.3 for information on changing the default system messages.

4.7.5.3 Changing the Busy and No Answer Menus

System messages 96, 97, 103, and 104 are default messages. The System Administrator can replace the system messages with script messages as follows:

- System message 96 (Busy and the extension has a mailbox) is replaced by script message 21 in the first language, script message 31 in the second language and 41 in the third language.
- System message 103 (Busy and the extension does not have a mailbox) is replaced by script message 22 in the first language, script message 32 in the second language and 42 in the third language.
- System message 97 (No-Answer and the extension has a mailbox) is replaced by script message 23 in the first language, script message 33 in the second language and 43 in the third language.
- System message 104 (No-Answer and the extension does not have a mailbox) is replaced by script message 24 in the first language, script message 34 in the second language and script message 44 in the third language.

For instructions on programming the above script messages, see Section 3.7.2. For instructions on recording the script messages, see Section 4.7.1.

4.7.5.4 Do Not Disturb

Using the user menu, a mailbox owner can activate the Do Not Disturb mode. When a caller dials a Do Not Disturb extension, the unit plays system message 121 and does not transfer the call to the extension. The System Administrator can replace this message with script message 25 in the first language, script message 35 in the second language and script message 45 in the third language.

4.8 Additional Features

4.8.1 Changing Passwords

The unit uses three types of passwords:

- System Administrator's password
- Operator's password
- Mailbox owner's password (see Section 6.4.4)

A password always contains four digits (0-9). The default for all passwords is 1234.

4.8.1.1 Changing the System Administrator's Password

The System Administrator can change his password by dialing code #862 and *900 to enter the programming mode, dialing the current password and then dialing:

```
*600 + * + Old Password + New Password + #
```

System administrator password must be 4 digits.

Warning:

Do not use * and # keys.

Note:

The System Administrator's password cannot be disabled.

4.8.1.2 Changing the Operator's Password

The System Administrator can change the operator's password by dialing code #862 and *900 to enter the programming mode, dialing the System Administrator's password and then dialing:

*601 + * + Old Password + New Password + #

Operator's password must be 4 digits.

Warning:

Do not use * and # keys.

To disable the operator's password, enter "0000".

4.8.1.3 Resetting the Mailbox Password

The System Administrator can reset a mailbox password to its default (1234) by dialing code #862 and *900 to enter the programming mode, dialing the System Administrator's password and then dialing:

*570 + XXXX + #

Where:

XXXX is the mailbox number.

The mailbox owner can change the mailbox password. Please refer to section 6.4.4 for more information.

4.8.2 Activate Force Reorganize

The force reorganize option automatically reorganizes and optimizes the data stored in the unit.

The system administrator can activate the Force Reorganize option by calling the unit and, during the opening greeting, dialing:

*900 + Password + *610

Important:

This option cannot be deactivated, and should be activated by a certified technician only.

4.8.3 Changing to/from Day Light Saving Time

The operator can change to/from Day Light Saving time by calling the unit and, during the opening greeting, dialing:

`*7 + XXXX + Y`

XXXX = the operator's password.

This password can be disabled. See Section 4.8.1.2.

Y = 0; Reduce the time by one hour

Y = 1; Increase the time by one hour

4.8.4 Changing the Operational Mode

The operator can change the operational mode by calling the unit and, during the opening greeting, dialing:

`*8 + XXXX + Y`

XXXX refers to the operator's password.

This password can be disabled. See Section 4.8.1.2.

Y = 0; Day Mode

Y = 1; Night Mode

Y = 2; Holiday Mode

Y = 3; Auto Mode

Y = 4; Break Mode

4.8.5 Playing a System Message

To listen to any system message, dial #862 and *900 and the administrator password to enter the programming mode, then dial:

`*690 + Z + XXX`

Z = the language number

Z = 1 is the first language

Z = 2 is the second language

Z = 3 is the third language

XXX is the message number

See Chapter 10 for a list of system messages.

4.8.6 Playing All System Messages

To listen to all system messages, dial #862 and *900 and the administrator password to enter the programming mode, then dial:

***691 + Z**

Z = the language number

Z = 1 is the first language

Z = 2 is the second language

Z = 3 is the third language

See Chapter 10 for a list of system messages.

4.8.7 System Message Setting

To determine if some of the system messages are played, dial #862 and *900 and the administrator password to enter the programming mode, then dial:

***699 + X + Y**

Where:

X = system message affected:

X = 1 system message 004

X = 2 system message 102

X = 3 system message 095

Y = 0 play the message (default)

Y = 1 do not play the message

Y = 2 (only when X = 3) plays message to mailboxes without a greeting message

4.8.8 Listening to the Software Version Number

To hear the unit's software version number, dial #862 and *900 and the administrator password to enter the programming mode, then dial:

***680**

4.8.9 Resetting the System

The System Administrator can reset the unit to its factory default settings by dialing #862 and *900 and the administrator password to enter the programming mode, then dial:

```
*654 + * + XXXX + #
```

Where

XXXX = the System Administrator's password.

Note:

If you plan to reconfigure the unit for use with your current PBX and the unit had previously been configured for use with a different PBX type, use this command to clear all existing settings and return to the factory default settings.

4.8.10 Adjusting Recording Length

The System Administrator can select the length of the recorded messages in the unit. The selected length of message (in minutes) will affect all recorded messages. The types of recorded messages that are affected are: script recordings, mailbox owner's greetings, name recordings and recorded incoming calls.

To set message length dial #862 and *900 and the administrator password to enter the programming mode, then dial:

```
*790 + X
```

Where

X = 1-9 minutes.

This parameter is set to two minutes by default.

5. Programming By Computer

This section describes the purpose and main features of the Voice mail Utility Program (VUP) and details the installation process.

The VUP enables you to:

- Define PBX parameters
- Set the unit clock and calendar
- Create and maintain mailboxes
- Build Automated Attendant menus
- Review traffic statistics
- Print system parameters and statistics

Programming the unit via the PC is done offline until sent in one block to the unit.. We recommend that you save the new configuration in a file.

Using the VUP, you can also:

- Open a configuration file to make changes and then to upload them to the unit
- Open the default configuration file
- View unit statistics, e.g., line and memory utilization

5.1 Connecting The Unit To The Computer

To connect your computer to the unit:

Open the cover of DV-38 or DV-96.

Remove any cable attached to the unit's RS-232 connector.

Connect one end of the RS-232 cable to one of the unused serial ports of your PC and the other end to the Unit's RS-232 connector as shown in figure 5-1.

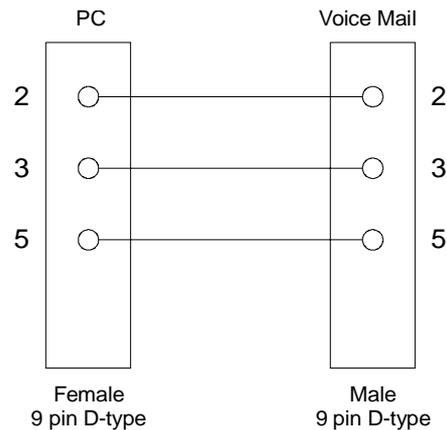


Figure 5-1 RS-232 Cable Connection

5.2 System Requirements

Before installing the VUP, check that your computer meets the following minimum requirements:

- PC 486 or higher
- 8 MB RAM free memory
- 5 MB free hard disk space
- Microsoft Windows 95, Windows 98 or Windows NT 3.51 or higher
- Internet Explorer 5.5 or higher

5.3 Installing the VUP

To install the VUP:

Exit all open applications.

Insert the CD with the VUP installation program into the CD drive.

Use Windows Explorer to locate the setup file.

Double-click the setup file.

Follow the instructions on the screen.

5.4 Starting VUP

To start the VUP click on the VUP icon.

For further instructions go to the required parameter and press the F1 key.

Important:

If the unit is programmed through VUP, the script message has to be recorded via a telephone set.

6. User Operation Instructions

6.1 Introduction

The following paragraphs describe the user's operational menus.

6.2 User's Main Menu

Users can enter their mailbox menus for retrieving messages and set up their mailboxes in 2 ways, through the auto attendant using access digits for the retrieve message process, or by dialing #85 from the phone. Then the unit announces the number of messages and plays the users menu:

DIGIT	NAME	DESCRIPTION
1	Retrieve Message	Listen to Messages
2	Mailbox Parameters	Enter Mailbox Parameters Menu
8	Send Message	Send a Message to a Specific Mailbox
9	Return to Auto Attendant	Exit Current Menu and Return to Auto Attendant

6.3 Retrieve Message Menu

If the mailbox owner dials "1" while in user's main menu, the unit plays the new messages, followed by previously saved messages. At the end of each message, the unit plays the Retrieve Message menu:

DIGIT	NAME	DESCRIPTION
1	Next Message	Play next message
2	Replay	Replay current message
3	Save	Save current message
4	Forward	Forward current message to another mailbox
5	Reply	Reply to message sender (Internal messages only)
8	Delete	Delete current message
9	Return to Previous Menu	Return to previous menu (User's main menu)

6.4 Mailbox Parameters

If the mailbox owner dials “2” while in user’s main menu, the unit plays the user’s Parameters menu:

DIGIT	NAME	DESCRIPTION
1	Record Greeting	Record a greeting message for the mailbox
2	Record Name	Record your name
3	Directory Listing	Set directory listing parameters
4	Change Password	Change the mailbox access password
5	DND	DND Enable / Disable
6	External Notification	Set the external notification parameters (if allowed)
7	Pager Notification	Set the pager notification parameters (if allowed)
9	Return to Previous Menu	Return to previous menu (User's main menu)

6.4.1 Record Greeting

The mailbox owner can record a personal greeting by dialing “1” on the user’s parameters menu (see Section 6.4). The unit then plays the Record Greeting menu:

DIGIT	NAME	DESCRIPTION
1	Play Back	Play existing recording
2	Record	Record a new greeting message
8	Delete	Delete existing message
9	Return to Previous Menu	Return to previous menu (User's parameters menu)

To record a greeting message for a mailbox group, enter the mailbox group number as the mailbox number. The above menu will be played and a message may be recorded or altered.

6.4.2 Record Name

The mailbox owner can record his personal name by dialing "2" on the user's parameters menu (see Section 6.4). The unit then plays the Record Name menu:

DIGIT	NAME	DESCRIPTION
1	Play Back	Play existing recording
2	Record	Record a new name
8	Delete	Delete existing name
9	Return to Previous Menu	Return to previous menu (User's parameters menu)

6.4.3 Directory Listing

The mailbox owner can set the directory listing parameters by dialing “3” on the user’s parameters menu (see Section 6.4). The unit then plays the Directory Listing menu:

DIGIT	NAME	DESCRIPTION
1	Play Back	Play current directory listing code
2	Change	Change directory listing code
8	Delete	Delete Directory listing code
9	Return to Previous Menu	Return to previous menu (User’s parameters menu)

6.4.4 Change Password

A mailbox password consists of four digits. The default password is 1234. To disable the password, enter “0000”.

The mailbox owner can change his password by dialing “4” on the user’s parameters menu (see Section 6.4), dialing “2” (for the change password option) and then dialing the new password. Use digits 0-9 only when entering a password.

The System Administrator can reset the mailbox password to the default password by using code *570 or using the VUP.

DIGIT	NAME	DESCRIPTION
1	Play Back	Play the current password
2	Change	Change existing password
9	Return to Previous Menu	Return to previous menu (User’s parameters menu)

6.4.5 Do Not Disturb (DND)

The mailbox owner can dial “5” on the user’s parameters menu (see Section 6.4) to change to the Do Not Disturb mode. The unit announces the selected mode every time the mailbox owner changes the mode.

When a caller dials an extension in Do Not Disturb mode, the unit plays one of the following messages:

- By default, system message 121
- If recorded, script message 25 in the first language
- If recorded, script message 35 in the second language
- If recorded, script message 45 in the third language

6.4.6 External Notification

For activating the external notification of a mailbox, the System Administrator must enable this feature for the mailbox, thereafter, the mailbox owner can:

- Enable/disable remote notification
- Enter his remote telephone number
- Listen to the current remote telephone number by dialing “6” on the user’s parameters menu (see Section 6.4).

DIGIT	NAME	DESCRIPTION
1	Change Mode	Toggles the external notification state (Enable/Disable)
2	Telephone Number	Enter the selected telephone number for external notification. Codes ¹ 0-9, Extension Number, *, #, A-D, P and Q can be used
3	Play Back	Play back the external telephone number
9	Return to Previous Menu	Return to previous menu (User’s parameters menu)

Codes¹:

P (1 second pause) = *1 # = *4 B = *6 D = *8 * = **
 Q (4 second pause) = *2 A = *5 C = *7 0-9 = 0-9

6.4.7 Pager Notification

For activating the external notification of a mailbox, the System Administrator must enable this feature for the mailbox, thereafter, the mailbox owner can:

- Enable/disable pager notification
- Enter his pager number
- Listen to the current pager number by dialing “7” on the user’s parameters menu (see Section 6.4).

DIGIT	NAME	DESCRIPTION
1	Change Mode	Toggles the pager notification state (Enable/Disable)
2	Pager Number	Enter the selected pager number for pager notification. Codes ¹ 0-9, Extension Number, *, #, A-D, P and Q can be used
3	Play Back	Play back the pager number
9	Return to Previous Menu	Return to previous menu (User’s parameters menu)

Codes¹:

P (1 second pause) = *1 # = *4 B = *6 D = *8 * = **

Q (4 second pause) = *2 A = *5 C = *7 Ext. No. = *0 0-9 = 0-9

CPD Tone = *3

6.4.8 Return to Previous Menu

The mailbox owner can dial “9” on the user’s parameters menu (see Section 6.4) to return to the User’s main menu (see Section 6.2).

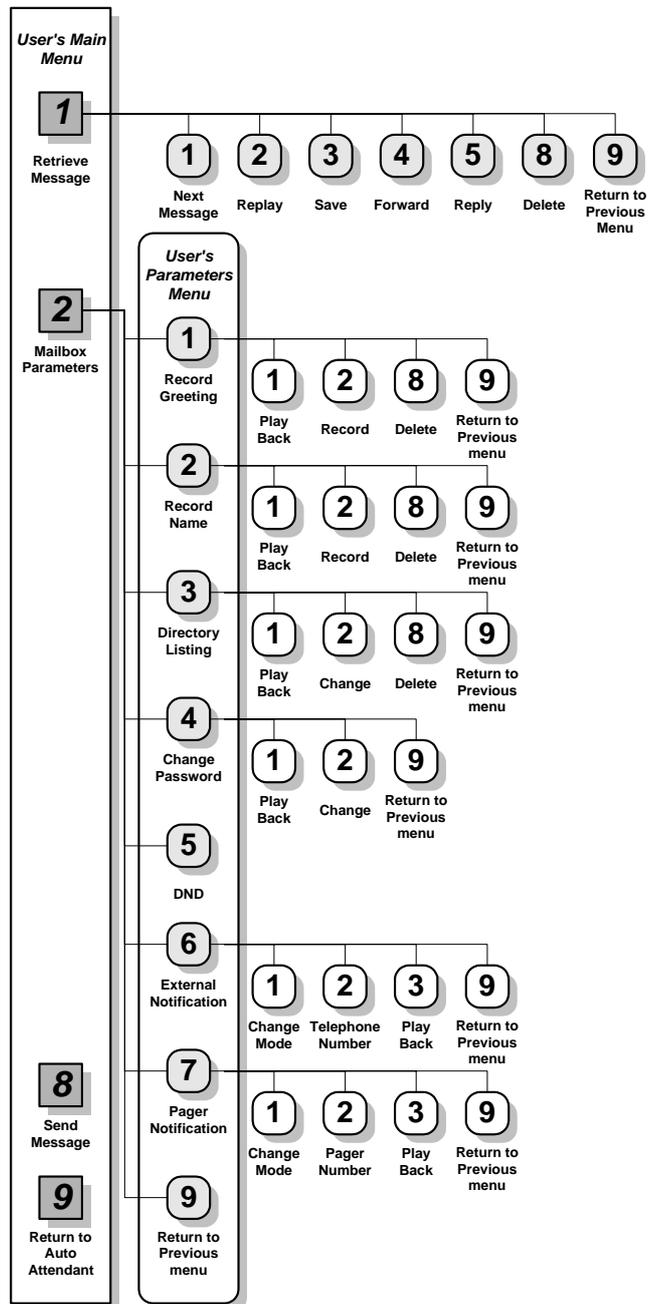
6.5 Send Message

The mailbox owner can leave a message in any mailbox or group of mailboxes by dialing “8” on the user’s main menu (see Section 6.4).

6.6 Return to Auto Attendant

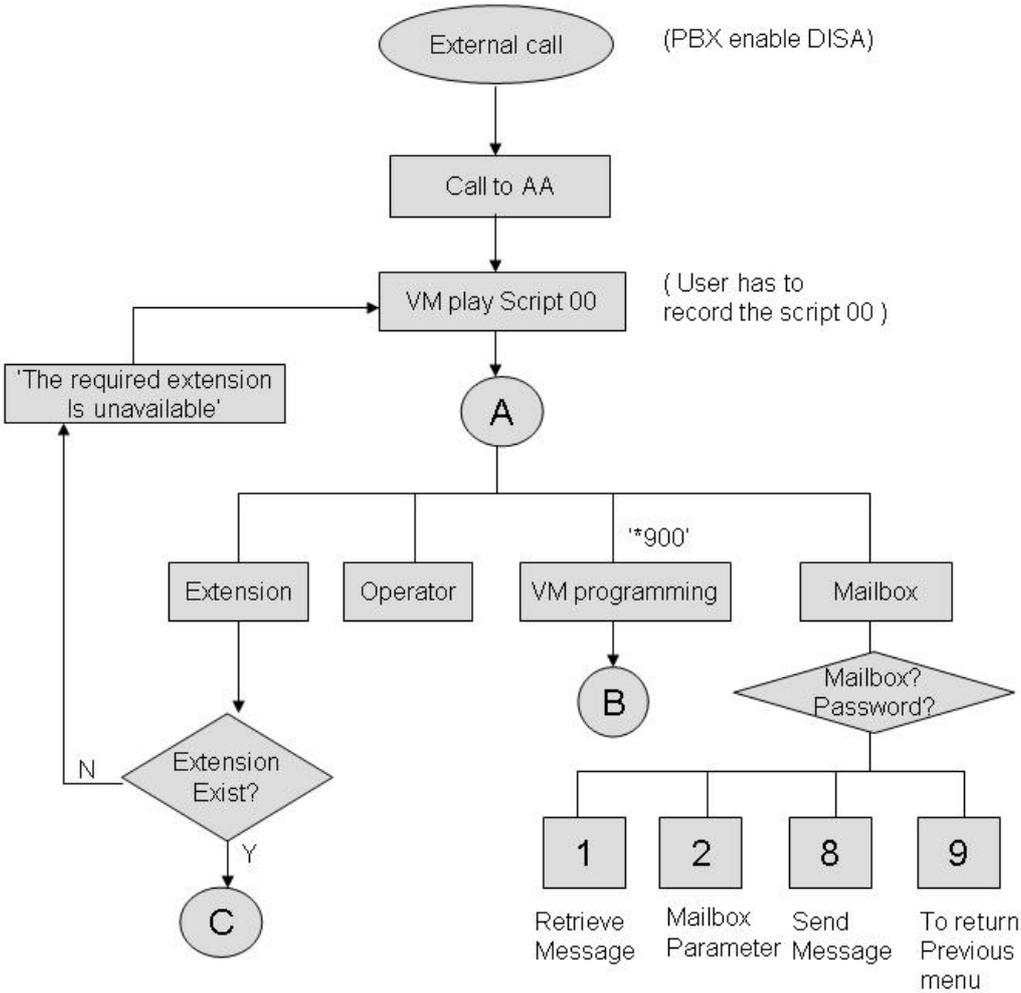
The mailbox owner can dial “9” on the user’s main menu (see Section 6.2) to return to the auto attendant.

6.7 Quick Reference Guide

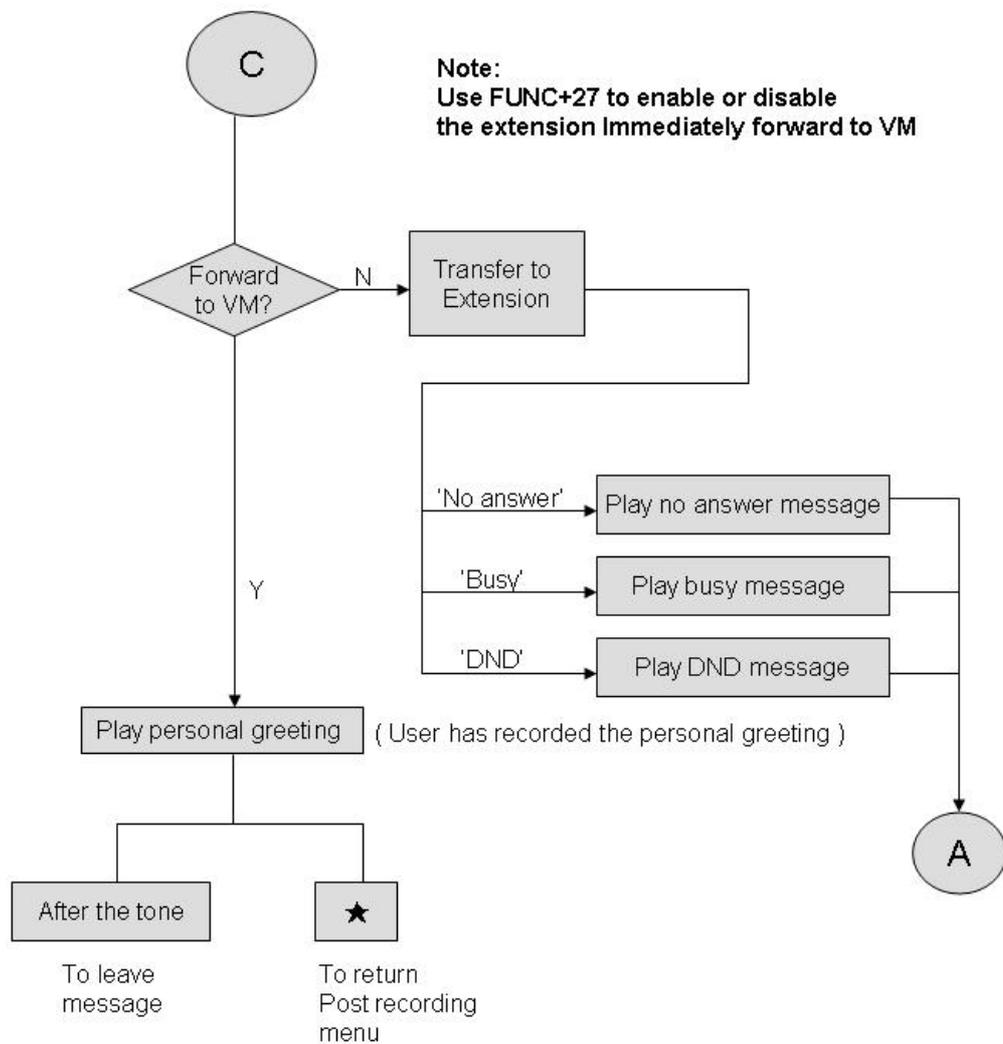


Operation Flow Guide

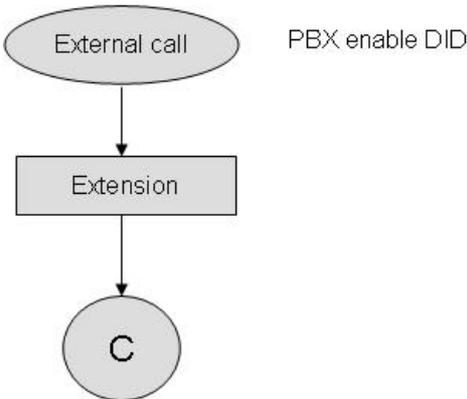
- 6.7.1 External call to AA
- 6.7.2 Enter the mailbox from external
- 6.7.3 Retrieve message from external



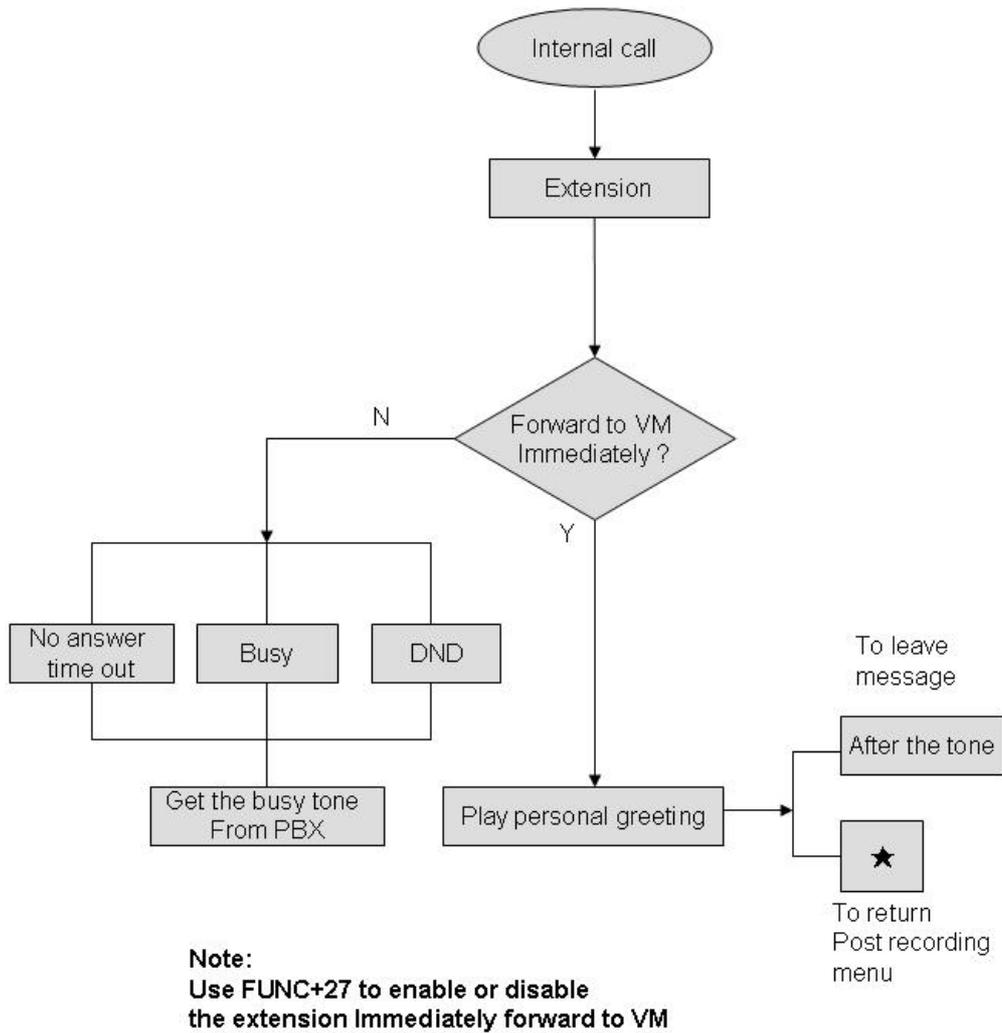
6.7.4 External call forward to VM



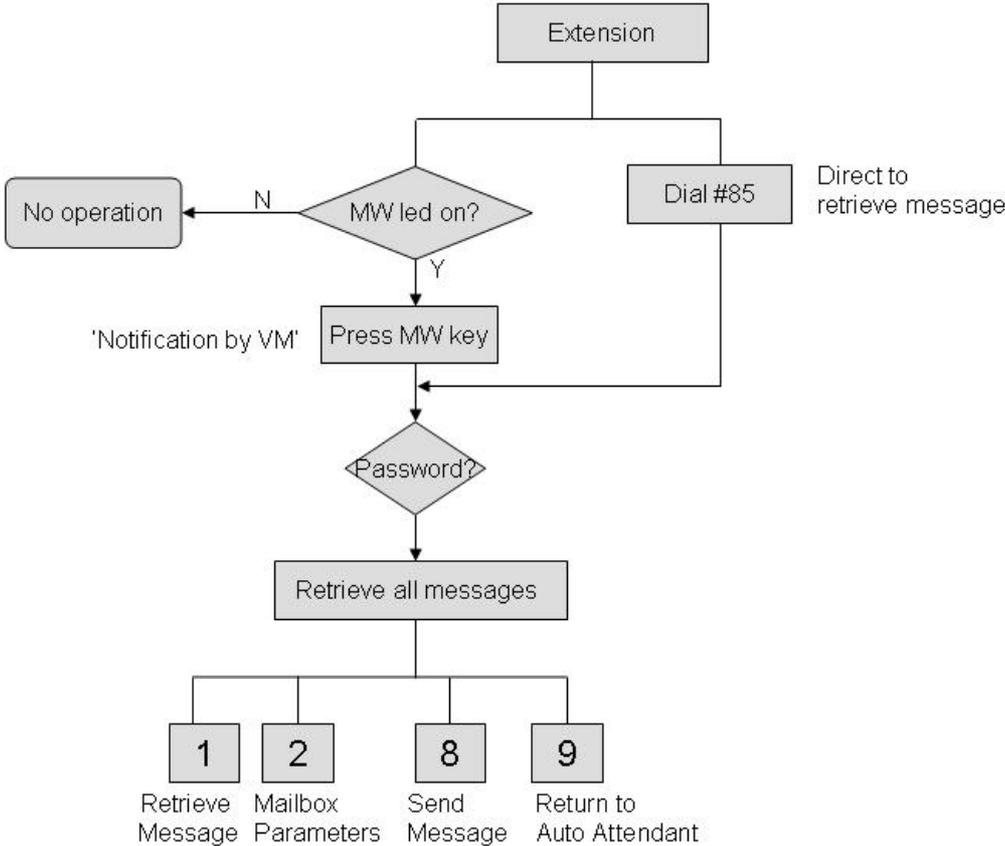
6.7.5 DID call forward to VM



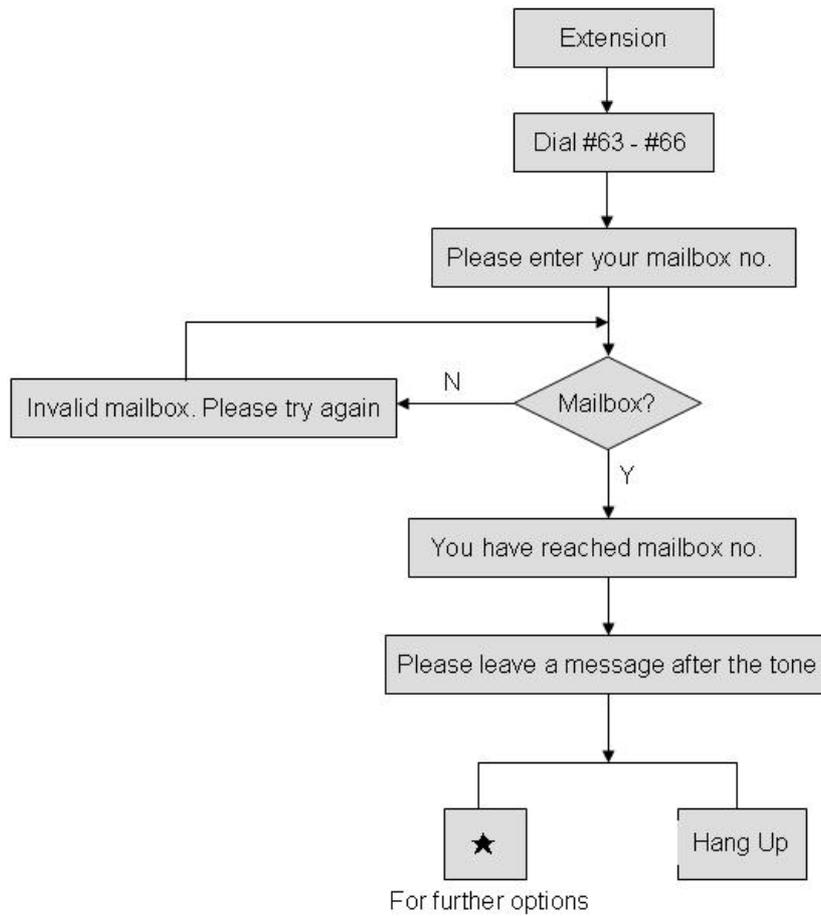
6.7.6 Internal call forward to VM



6.7.7 Retrieve message from extension

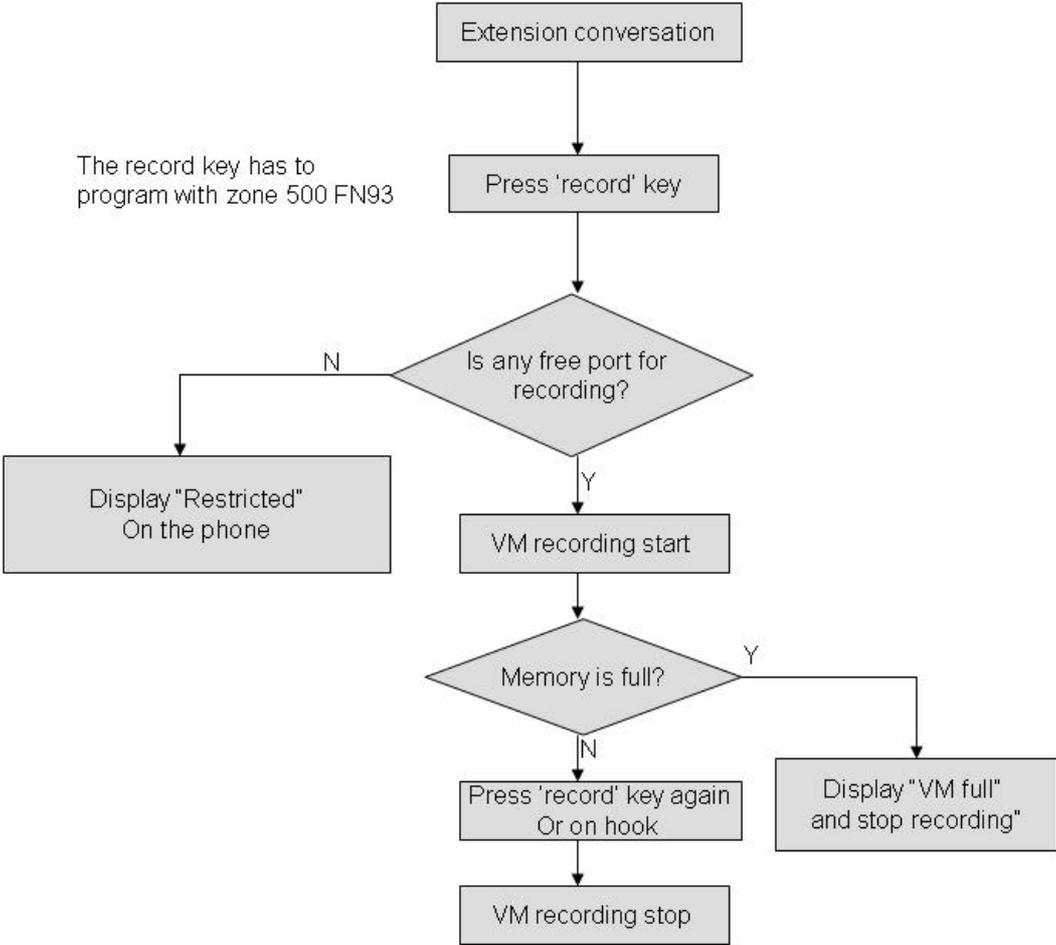


6.7.8 Leave message from extension

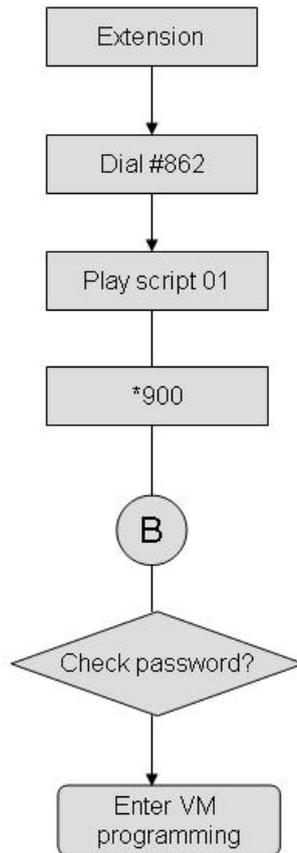


6.7.9 Conversation recording

This feature supports digital phone only.



6.7.10 VM programming from extension



7. Troubleshooting

This section presents answers to commonly asked questions on operating the unit.

If problems persist, contact your dealer.

Question: Local notification does not work.

Answer: Make sure you have entered the correct notification codes.

Make sure that local notification is enabled.

Question: External Notification does not work.

Answer: Make sure you have selected the correct External Access code.

Make sure you did not add the External Access code to the telephone number because the unit automatically dials the External Access code.

Make sure External Notification is allowed and enabled.

The first notification can take up to the amount of time that is defined by Ring Notification Interval.

Make sure start and stop times are properly defined and maximum number of retries has not been reached.

Question: When I dial command code *300, the unit plays an error message.

Answer: You are trying to change the number of digits in an extension after extensions and mailboxes have been configured. To change the number of digits in an extension, you must first remove all mailboxes and extensions.

Question: Command *510 does not allow a mailbox to be deleted.

Answer: The mailbox is used in script menus. Please remove the mailbox from all the scripts and then use the delete command.

Question: The unit transfers calls made to an extension to its mailbox and plays message stating that the extension is unavailable.

Answer: The extension is in Do Not Disturb mode.

Question: The Voice Mail Utility Program (VUP) issues a warning that the COM port is unavailable.

Answer: Make sure that the selected COM port is not being used by another device or Program.

If the selected COM port was previously used by another device, remove the device, shut down and restart your computer to release the serial port.

Question: A message is sent to a mailbox group that contains five defined mailboxes but only two receive the message.

Answer: The messages were sent to all the mailboxes in the group but only accepted by those mailboxes that did not have the maximum number of messages recorded.

Question: The unit has been programmed to operate in Night mode. When a call is received, it disconnects the call and switches to Day mode.

Answer: Make sure that the night greeting script is recorded.

Question: What happens when a mailbox and mailbox group have the same extension number?

Answer: Messages are sent to the mailbox. In general, mailboxes have higher priority than mailbox groups.

Question: DTMFs dialed by the unit are not recognized by the PBX.

Answer: Change the amplitude and the ON and OFF levels of DTMFs dialed by unit (*379,*371).

Question: How can the password of the mailbox be reset to its default 1234.

Answer: Use command *570 or press The Reset button in the VUP.

Question: How can I find out how much memory is supported by my Voice Mail System.

Answer: Use statistics option in VUP.

Question: Pager Notification does not work.

Answer: Make sure you have selected the correct External Access Code.

Make sure you did not add the External Access Code to the pager number.

Make sure pager notification is allowed and enabled.

Make sure the pager number is entered correctly.

Make sure your pager company provides a 1400 Hz tone if '\$' is used.

If your provider does not support 1400 Hz tone SIT tone, use enough pauses to by-pass the sent tone.

The first notification can take up to the amount of time that is defined by Ring Notification Interval.

Make sure start and stop times are properly defined and maximum

number of retries has not been reached.

Question: When I reach a mailbox, a menu is played immediately and I am not given a chance to leave a message.

Answer: The mailbox is defined as an announcer mailbox.

Question: I have disabled the Automatic Gain Control but the messages are played louder than needed.

Answer: Only messages recorded after the change are affected.

Initiate a new call after changing the AGC's status.

Question: How can I delete the messages of all users.

Answer: Change the parameters "Maximum no. of days to store messages" to 1 (*740) and reorganize the system (*610).

Question: VUP's transfer operation is interrupted when large files are used with windows 98 or NT.

Answer: Windows 98 and NT support a power save mode which interferes with serial ports operation.

Disable this feature on PCs that run the VUP application.

8. Programming Commands

The following table presents a summary of DTMF programming commands.

Note:

The DTMF column lists the sections in which the DTMF programming operations are discussed in this manual.

OPERATOR COMMANDS		
OPERATION	COMMAND	SECTION
Day Light Summer time	<p>*7 + XXXX + Y</p> <p>XXXX = operator's password Y = 0; Reduce the time by one hour Y = 1; Increase the time by one hour</p>	4.8.3
Change the operational mode (without entering the programming mode)	<p>*8 + XXXX + Y</p> <p>XXXX = operator's password Y = 0; Day Y = 1; Night Y = 2; Holiday Y = 3; Auto Y = 4; Break</p>	4.8.4

- The following programming codes are to be used after dialing #862 and *900 + administrator password.

SCRIPT PROGRAMMING COMMANDS		
OPERATION	COMMAND	SECTION
Directory listing format	*011 + X X = 0; Last name X = 1; First name	4.7.3.1
Record a script message	*100 + XX + Beep + Record + #	4.7.1
Play a script message	*101 + XX + Beep + Playback	4.7.1
Delete a script message	*102 + XX XX = Script No.	4.7.1
Select EOM timeout for each script	*105 + XX + Y + # XX = Script No. Y = Timeout in seconds	4.7.2.1
Transfer to a script message	*110 + XX + B + YY + #	4.7.2.2
Transfer to the directory listing	*111 + XX + B + # XX = Script number	4.7.3.2
Select opening menu	*112 + XX + YY + Z + # XX = Default script number 00,10,15 or 20 YY = Replacement script number 00-20 Z = Line number 1-4	4.7.2.3
Transfer to opening menu	*115 + XX + B + #	4.7.2.4
Transfer to a script message with a change of language	*117 + XX + B + YY + Z + # Z = 1, 2 or 3 (language number)	4.7.2.5
Set default language	*118 + Z Z = 1, 2 or 3 (language number)	4.7.2.6
Transfer to an extension	*120 + XX + B + Extension + #	4.7.2.7
Dials a programmed DTMF string from the auto-attendant script	*121 + XX + B + Y + # Y = DTMF string number (0-9)	4.7.2.8
Transfer to an operator	*125 + XX + #	4.7.2.9
Transfer to a mailbox	*130 + XX + B + Mailbox + #	4.7.2.10

SCRIPT PROGRAMMING COMMANDS (CONT'D)		
OPERATION	COMMAND	SECTION
Disconnect	*140 + XX + B + Z + # Z = 0, no message Z = 1 with message	4.7.2.11
Leave a message to a mailbox	*150 + XX + B + # XX = script No.	4.7.2.12
Retrieve messages from a mailbox	*160 + XX + B + #	4.7.2.13
Direct transfer to an extension	*170 + XX + first digit(s) + #	4.7.2.14
Direct transfer to a mailbox	*175 + XX + first digit(s) + #	4.7.2.15
Place a call on Hold	*180 + XX + B + #	4.7.2.16
Blind Transfer to Busy Extension	*185 + XX + B + #	4.7.2.17
Reset a specific message entry to its default value	*190 + XX + B + #	4.7.4
Reset all message entries to defaults	*190 + XX + #	4.7.4

PBX PARAMETERS		
OPERATION	COMMAND	SECTION
No. of digits in extension	*300 + X	4.3
Cut off time for continuous call progress tone detection	*301 + X X = cut off time in seconds (0-9) Default: 6 sec.	4.3
No. of rings before the line is answered	*310 + line number + number of rings	4.3
Time to wait for No Answer	*311 + XX	4.3
PBX legal extensions	*320 + Y + First Ext. + Last Ext. + # Y = group number (0-9)	4.3
Delete all PBX legal extensions	*320 + #	4.3
Operator ID code	*330 + X X = 0-9	4.3
Disconnect code	*333 + Code¹ + #	4.3
Delete disconnect code	*333 + #	4.3
External access code	*340 + X + # X = external access digit (0-9), Pause (*1)	4.3
Clear external access code	*340 + #	4.3
Pause before and after external access code	*341 + X X = pause length in seconds (0-9) Default: 2 sec.	4.3

PBX PARAMETERS (CONT'D)		
OPERATION	COMMAND	SECTION
Transfer mode for all extensions	<p>*350 + X + Y</p> <p>X = 1; All extensions except the operator X = 2; Operator extension only Y = 0; Non Supervised</p>	4.7.5
Day operator, Night operator, Fax and Supervisor's extensions	<p>*360 + X + YYYY + #</p> <p>X = 1; Day operator X = 2; Night operator X = 3; Fax extension X = 4; Supervisor extension YYYY = Corresponding extension number.</p>	4.3
Delete a specific extension assignment	<p>*360 + X + #</p> <p>X = 1; Day operator X = 2; Night operator X = 3; Fax extension X = 4; Supervisor extension</p>	4.3
Volume level	<p>*369 + X</p> <p>X = volume level (0-9), 9 = Loudest Default: 5</p>	4.3

PBX PARAMETERS (CONT'D)		
OPERATION	COMMAND	SECTION
Voice and DTMF sensitivity	*376 + X + Y X = 1; Voice sensitivity level X = 2; DTMF sensitivity level Y = Level (0-9), 9 = Most sensitive Default: 5 Note: To activate the new selection, a new call must be initiated	4.3
Automatic Gain Control (AGC)	*377 + X X = 0 AGC disabled X = 1 AGC enabled (Default) Note: To activate the new selection, a new call must be initiated	4.3
DTMF amplitude	*379 + X X = volume level (3-9), 9 = Loudest Default: 5	4.3

SETTING TIME & DATE		
OPERATION	COMMAND	SECTION
Change the operational mode	*400 + X X = 0; Day X = 3; Auto X = 1; Night X = 4; Break X = 2; Holiday	4.5
Select time stamp format	*410 + X	4.5
Set time and day	*420 + Hour + Minutes	4.4
Set date	*430 + Date + Month + Year	4.4
Listen to the system time	*440	4.4,
Set working hours	*450 + Day + Starting time + Ending time	4.5

SETTING TIME & DATE (CONT'D)		
OPERATION	COMMAND	SECTION
Set break time	*460 + Day + Starting time + Ending time	4.5
Entering annual holidays dates	*470 + DD + MM + hh:mm + hh:mm DD = Day of the month MM = month hh:mm = Start time; Hour and minutes in 24 hour format hh:mm = End time; Hour and minutes in 24 hour format	4.5
Delete all holidays	*470 + #	4.5
Delete all holidays on a specific date	*470 + DD + MM # DD = Day of the month MM = month	4.5
Delete all holidays for a specific month	470 + ** + MM + # MM = month	4.5
External notification active time	*490 + hh:mm + hh:mm hh:mm = Start time; Hour and minutes in 24 hour format hh:mm = End time; Hour and minutes in 24 hour format	4.5

MAILBOX CONFIGURATION COMMANDS		
OPERATION	COMMAND	SECTION
Create a range of mailboxes	*500 + First mailbox + Last mailbox + #	4.6.1
Create a mailbox	*501 + Mailbox + #	4.6.1
Change to announcer mailbox	*502 + XXXX + Y + # XXXX = Existing mailbox number Y = 0; Regular mailbox Y = 1; Announcer mailbox	4.6.1
Delete a mailbox	*510 + Mailbox number + #	4.6.1
Create a range of virtual mailboxes	*520 + First mailbox + Last mailbox + #	4.6.1
Create a virtual mailbox	*521 + Mailbox number + #	4.6.1
Play or skip time and date stamp for a range of mailboxes	*530 + First mailbox + Last mailbox + B + # B = 0; Play the time and date B = 1; Skip the time and date	4.6.1
Play or skip time and date stamp for a mailbox	*531 + Mailbox number + B + # B = 0; Play the time and date B = 1; Skip the time and date	4.6.1
Define a language for a range of mailboxes	*532 + First Mailbox + Last Mailbox + Z + # where Z = 1, 2 or 3 (language number)	4.6.1
Define a language for a mailbox	*533 + Mailbox Number + Z + # where Z = 1, 2 or 3 (language number)	4.6.1
Add a mailbox to a group	*540 + Group number + Mailbox number + #	4.6.2
Change the first digit of the group numbers	*545 + First Digit of the Group Numbers	4.6.2
Delete a mailbox from a group	*550 + Group number + Mailbox number + #	4.6.2
Reset a mailbox group	*560 + Group number	4.6.2
Reset a user password	*570 + Mailbox number + #	4.8.1.3

SYSTEM FUNCTIONALITY COMMANDS		
OPERATION	COMMAND	SECTION
Change the system administrator's password	*600 + * + Old password + New password + # <i>Warning: Do not use the * or # keys.</i>	4.8.1.1
Change the operator's password	*601 + * + Old password + New password + # <i>Warning: Do not use the * or # keys.</i>	4.8.1.2
Forced reorganization	*610	4.8.2
Resetting the system to default	*654 + * + XXXX + # XXXX is the system administrator password	4.8.9
Listen to the software version number	*680	4.8.8
Play a system message	*690 + Z + XXX Z = 1 ,2 or 3 (language number) XXX = system message number	4.8.5
Play all system messages	*691 + Z Z= 1 ,2 or 3 (language number)	4.8.6
System message setting	*699 + X + Y X = 1; System message 004 X = 2; System message 102 X = 3; System message 095 Y = 0; Play Y = 1; Don't play Y = 2; (Only when X = 3) Play the message to mailboxes without a greeting message.	4.8.7

MAILBOX NOTIFICATION COMMANDS (CONT'D)		
OPERATION	COMMAND	SECTION
Set local notification for a range of mailboxes	<p>*700 + First mailbox + Last mailbox + X + #</p> <p>X = 0; disabled X = 1; LED 1 X = 2; not used X = 3; Ring Signs X = 4; Rings</p>	4.6.3.1
Disable local notification for all mailboxes	*700 + #	4.6.3.1
Set local notification for one mailbox	<p>*701 + Mailbox + X + #</p> <p>X = 0; disabled X = 1; LED 1 X = 2; LED 2 X = 3; Ring Signs X = 4; Rings</p>	4.6.3.1
Permit remote notification for a range of mailboxes	<p>*710 + First mailbox + Last mailbox + X + #</p> <p>X = 0; not permitted X = 1; permitted</p>	4.6.3.1
Disable remote notification for all mailboxes	*710 + #	4.6.3.1
Permit remote notification for one mailbox	<p>*711 + Mailbox + X + #</p> <p>X = 0; not permitted X = 1; permitted</p>	4.6.3.1
Ring Notification Interval	<p>*720 + XX</p> <p>XX is in minutes (1-99)</p>	4.6.3.1
Ring Notification Duration	<p>*730 + X</p> <p>X = 0 means short ring X = 1 means long ring</p>	4.6.3.1
Maximum no. of days to store a message in the system	<p>*740 + XX</p> <p>XX is number of days 00-99.</p>	4.6.3.1
Time to wait after off-hook for notification dialing	<p>*741 + X</p> <p>X = Time in seconds (0-9)</p>	4.6.3.1

MAILBOX NOTIFICATION COMMANDS (CONT'D)		
OPERATION	COMMAND	SECTION
Ring notification Retries	*750 + XX	4.6.3.1
Activate the LED notification	*760 + X X = 0 for 1 st new message X = 1 for every new message	4.6.3.1
Adjusting recording length	*790 + X X = 1-9 minutes	4.8.10

9. Programming Forms

The following pages include forms to help you properly setup and maintain the Voice Mail System using DTMF programming commands.

OPERATION	COMMAND
Select opening menu	*112 ___ ___ # ___ ___ # ___ ___ # ___ ___ #
No. of digits in an extension	*300 _____
No. of rings before the line is answered	Line 1: *310 1 _____ Line 2: *310 2 _____ Line 3: *310 3 _____ Line 4: *310 4 _____
Time to wait for No Answer	*311 _____
Legal PBX extensions	Group 1: *320 0 ___ ___ # Group 2: *320 1 ___ ___ # Group 3: *320 2 ___ ___ # Group 4: *320 3 ___ ___ # Group 5: *320 4 ___ ___ #
Operator ID Code	*330 _____
Disconnect Code	*333 _____ #
External Access Code	*340 _____ #
Transfer mode	*350 ___ _____ ___ _____
Day Operator's Extension No. Night Operator's Extension No. Fax Extension No. Supervisor Extension No.	*360 ___ _____ # ___ _____ # ___ _____ # ___ _____ #
Voice Sensitivity	*376 1 _____
Create a range of mailboxes Create a mailbox	*500 _____ _____ # *501 _____ #
Create a range of virtual mailboxes Create a virtual mailbox	*520 _____ _____ # *521 _____ #
Change the first digit of the group numbers	*545 ___

OPERATION	COMMAND
Add mailboxes to a group	Group 000: *540 000 ____ # Group 001: *540 001 ____ # Group 002: *540 002 ____ # Group 003: *540 003 ____ #
Maximum no. of days to store a message in the system	*740 ____

SETTING NOTIFICATION FOR MAILBOXES

Local notification for a range of mailboxes: *700 ____ ____ ____ #

Local notification for one mailbox: *701 ____ ____ #

Permitting remote notification for a range of mailboxes: *710 ____ ____ ____ #

Permitting remote notification for one mailbox: *711 ____ ____ #

External notification active time *490 ____ ____ ____ ____

NOTIFICATION PARAMETERS

Ring notification interval *720 ____

Ring notification duration *730 ____

Activate the LED notification *760 ____

SYSTEM TIME AND DATE

See Section 3.4 for information on setting the system time and date using codes *420 and *430.

SETTING THE OPERATIONAL MODE

Operational Mode: *400 ____ Select: Day (0)/Night (1)/Holiday
(2)/Auto (3)/Break(4)

This form contains the programming schedule for up to 4 script message. Please copy the form if you have more than 4 script messages.

Note:

The following numbers are dedicated to specific script messages by default:

- Script message number 00 to the Day Mode Opening Menu
- Script message number 10 to the Night Mode Opening Menu
- Script message number 15 to the Break Time Opening Menu
- Script message number 20 to the Holiday Mode Opening Menu

The rest of the script messages (01-09, 11-14 and 16-19) may be used in all modes without limitations.

Script No. _____

Script No. _____

0 _____

0 _____

1 _____

1 _____

2 _____

2 _____

3 _____

3 _____

4 _____

4 _____

5 _____

5 _____

6 _____

6 _____

7 _____

7 _____

8 _____

8 _____

9 _____

9 _____

EOM _____

EOM _____

Script No. _____

0 _____

1 _____

2 _____

3 _____

4 _____

5 _____

6 _____

7 _____

8 _____

9 _____

EOM _____

Script No. _____

0 _____

1 _____

2 _____

3 _____

4 _____

5 _____

6 _____

7 _____

8 _____

9 _____

EOM _____

10. System Messages

This section lists the Voice Mail system messages and their numbers. You can hear each of these messages in the programming mode by dialing:

*690 + language digit (1, 2 or 3) + system message number

- or -

To hear all system messages dial:

*691 + language digit

NO.	SYSTEM MESSAGE
------------	-----------------------

000	This system has not been programmed. Please refer to the installation manual for instructions. Thank you!
001	Please hang up now.
002	Please enter your password.
003	Invalid entry. Please try again.
004	Please hold.
005	Message was received on...
006	At...
007	Zero
008	O'clock
009	No...

NUMBERS

010	One	024	Fifteen
011	Two	025	Sixteen
012	Three	026	Seventeen
013	Four	027	Eighteen
014	Five	028	Nineteen
015	Six	029	Twenty
016	Seven	030	Thirty
017	Eight	031	Forty
018	Nine	032	Fifty
019	Ten	033	Sixty
020	Eleven	034	Seventy
021	Twelve	035	Eighty
022	Thirteen	036	Ninety
023	Fourteen		

DATES

037	First	048	Twelfth
038	Second	049	Thirteenth
039	Third	050	Fourteenth
040	Fourth	051	Fifteenth
041	Fifth	052	Sixteenth
042	Sixth	053	Seventeenth
043	Seventh	054	Eighteenth
044	Eighth	055	Nineteenth
045	Ninth	056	Twentieth
046	Tenth	057	Thirtieth
047	Eleventh		

MONTHS

058	Of January	064	Of July
059	Of February	065	Of August
060	Of March	066	Of September
061	Of April	067	Of October
062	Of May	068	Of November
063	Of June	069	Of December

NO.	SYSTEM MESSAGE
070	...and...
071	You have...
072	...new messages
073	...new message
074	...messages
075	To retrieve messages, press 1. To change mailbox settings, press 2. To send a message, press 8. To return to the main menu, press 9.
076	You have no messages.
077	Message saved. Please hold.
078	To skip this message, press 1. To replay, press 2. To save, press 3. To forward, press 4. To reply to message sender, press 5. To delete, press 8. To return to the previous menu, press 9.
079	Message saved.
080	Message deleted.
081	Please enter a new four digit password.
082	To delete skipped messages, press 8. To save all messages, press 9.
083	...yesterday...
084	...today...

NO. SYSTEM MESSAGE

- 085 Please enter your mailbox number.
- 086 Invalid mailbox. Please try again.
- 087 Incorrect password. Please try again.
- 088 Please record your greeting after the tone. Press the hash key when you have finished.
- 089 Please record your name after the tone. Press the hash key when you have finished.
- 090 Calls will be transferred to your extension.
- 091 Calls will not be transferred to your extension.
- 092 Please enter the mailbox number.
- 093 You have reached the mailbox of...
- 094 You have reached mailbox number...
- 095 Please leave a message after the tone. When you are finished press star for further options or simply hang up.
- 096 The required extension is busy. To try another extension, press 1 followed by the extension number. To hold, press 2. To leave a message, press 8. To transfer to the operator, press 0. To return to the Main Menu, press 9.
- 097 The required extension does not answer. To try another extension, press 1 followed by the extension number. To leave a message, press 8. To transfer to the operator, press 0. To return to the main menu, press 9.
- 098 The mailbox is currently unavailable.
- 099 The system is busy. Please wait.

NO.	SYSTEM MESSAGE
100	a.m.
101	p.m.
102	You have a call.
103	The required extension is busy. To try another extension, press 1 followed by the extension number. To hold, press 2. To transfer to the operator, press 0. To return to the main menu, press 9.
104	The required extension does not answer. To try another extension, press 1 followed by the extension number. To transfer to the operator, press 0. To return to the main menu, press 9.
105	You have exceeded the maximum message length. Your message will be sent.
106	Sunday
107	Monday
108	Tuesday
109	Wednesday
110	Thursday
111	Friday
112	Saturday
113	O (As Eight-O-Two for 8:02)
114	Pause
115	Please record your message after the tone. Press the hash key when you have finished.

NO. SYSTEM MESSAGE

- 116 To change external notification, press 1. To enter the telephone number, press 2. To listen to the current telephone number, press 3. To return to the previous menu, press 9.
- 117 External notification is disabled.
- 118 External notification is enabled.
- 119 You have a new message. To retrieve messages press 1.
- 120 Please enter the telephone number. Press the hash key when you have finished.
- 121 The required extension is unavailable. To try another extension, press 1 followed by the extension number. To leave a message, press 8. To transfer to the operator, press 0. To return to the main menu, press 9.
- 122 Invalid extension number. Please try again.
- 123 Skipped messages have been deleted.
- 124 To listen to your recording, press 1. To rerecord, press 2. To delete, press 8. To return to the previous menu, press 9.
- 125 That recording does not exist.
- 126 The Busy On-Time is...
- 127 The Busy Off-Time is...
- 128 To listen to your password, press 1. To edit, press 2. To return to the previous menu, dial 9.
- 129 Message was received...
- 130 For Pager notification, press 1. To enter the pager number, press 2. To listen to the pager number, press 3. To return to the previous menu, press 9.

NO.	SYSTEM MESSAGE
131	Pager notification is disabled.
132	Pager notification is enabled.
133	Please enter your pager number. Press the hash key when you have finished.
134	...saved messages.
135	...saved message.
136	That mailbox is currently unavailable.
137	Storage space is nearing capacity.
138	For...
139	...press...
140	To return to the previous list, press 7.
141	For additional listings, press 8.
142	To enter another name, press 0. To return to the main menu, press 9.
143	No directory listing is available.
144	To record your greeting, press 1. To record your name, press 2. To access directory listing options, press 3. To change your password, press 4. To change the Do Not Disturb mode, press 5. To change external notification, press 6. To change pager notification, press 7. To return to the previous menu, press 9.
145	To listen to your directory listing, press 1. To enter your directory listing, press 2. To delete your directory listing, press 8. To return to the previous menu, press 9.
146	Operation Successful.

NO. SYSTEM MESSAGE

- 147 Using your keypad, please enter the first 3 letters of your last name. For Q press 7 for Z press 9.
- 148 Using your keypad, please enter the first 3 letters of the person's last name. For Q press 7 for Z press 9.
- 149 Using your keypad, please enter the first 3 letters of your first name. For Q press 7 for Z press 9.
- 150 Using your keypad, please enter the first 3 letters of the person's first name. For Q press 7 for Z press 9.
- 151 Your call is being transferred to...
- 152 To join the directory listing, please make sure your name is recorded.
- 153 Product version is...
- 154 To try another extension, press '1' followed by the extension number. To transfer to the operator, press '0'. To return to the Main Menu, press '9'.
- 155 This value has not been set.
- 156 To change mailbox settings, press 2. To send a message, press 8. To return to the main menu, press 9.
- 157 To skip this message, press 1. To replay, press 2. To save, press 3. To forward, press 4. To delete, press 8. To return to the previous menu, press 9.
- 158 To record your greeting, press 1. To record your name, press 2. To access directory-listing options, press 3. To change your password, press 4. To change the Do Not Disturb mode, press 5. To return to the previous menu, press 9