

# PARAVOX™

VOICE DIALER MODULE V1.10

*"SECURITY HAS A VOICE"*



## REFERENCE AND INSTALLATION MANUAL

P ▲ R ▲ D O X<sup>®</sup>  
S E C U R I T Y S Y S T E M S



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# 1.0 INTRODUCTION

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The **ParaVox™** Voice Dialer provides remote voice and pager messaging capabilities for almost any security alarm panel. The *ParaVox* can advise users of almost any security situation such as burglary, fire, or flood by calling the user and playing a pre-recorded message or by paging and leaving a numerical message.

Fully programmable over the telephone (no external keypad required), the *ParaVox* guides the end user through all system functions with a full set of voice prompts. All the user needs to remember is their P.I.N. (Personal Identification Number)

The *ParaVox* Voice Dialer has four input zones, programmable to accept a variety of input configurations and devices. These zone inputs can be linked to four different 32-digit telephone numbers delivering up to four different messages (voice or pager). Programmable dial-out priority allows the dialer to contact the most important number first. Based on the installation requirements, the *ParaVox* can use two 30 second messages or four 15 second messages.

The *ParaVox's* two programmable outputs can be used for remote activation of almost any device by telephone, such as turning on air conditioning or heat, extinguishing lights, activating a sprinkler system, or opening a garage door.

## 1.1 SYSTEM FEATURES

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- Voice and Pager Dial-out Capable.
- Remote programming from any DTMF capable telephone.
- The dialer can be configured to provide four 15 second messages or two 30 second messages.
- Automatic Gain Control (AGC) provides excellent recorded speech quality.
- Both DTMF and Pulse Dialing.
- Each zone can dial-out a maximum of four 32-digit telephone numbers individually allocated for either voice or pager.
- Dial-out priority can be set for each zone, enabling the most important number to be dialed first.
- Terminate received messages by pressing the [#] key twice.
- All system information, messages, telephone, pager and PIN numbers are stored in secure NV (non-volatile) RAM.

## NEW in version 1.10:

- *Kiss off Options*: User's can terminate received alarm activation message of current call (##) or of all pending calls (\*\*).
- *No Dial Tone Option*: Wait 8 seconds for dial tone and continue to dial or wait 16 seconds for dial tone and hang up.
- *Post Pager Message Delay*: After dialing the pager number, *Paravox* will wait the programmed delay period before sending the message.
- *Local Reset Feature*: Zone 4 can be used as a local reset switch, which when activated will cancel all calls from a currently triggered zone.

## 1.2 TECHNICAL SPECIFICATIONS

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<i>Input Voltage:</i>	12 to 16Vdc (12.5Vdc typical)
<i>Current Consumption:</i>	Typical: 100mA Maximum: 200mA (with 2 PGMs enabled)
<i>Power Consumption:</i>	1 Watt
<i>Zone Inputs:</i>	4 [N.C., N.O., EOL (1K/2K), 12Vdc input]
<i>PGM Outputs:</i>	2
<i>PGM Output Current:</i>	50mA
<i>Operating Temperature:</i>	0°C to 50°C (32°F to 122°F)
<i>Dialing Modes:</i>	Pulse, DTMF
<i>Message Storage Length:</i>	4 X 15 sec. or 2 X 30 sec.
<i>Voice Quality:</i>	5.3KHz sample rate with AGC
<i>Dimensions (w/case):</i>	6"H x 6.5"L x 1.1"W

## 1.3 GLOSSARY OF TERMS

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<i>PSTN</i>	Public Switched Telephone Network
<i>PABX</i>	Private Access Branch Exchange
<i>PIN</i>	Personal Identification Number
<i>DTMF</i>	Dual Tone Multiple Frequency
<i>EOL</i>	End of Line
<i>PPS</i>	Pulses Per Second
<i>Kiss off</i>	User acknowledges receipt of voice messages by pressing the [#] or [*] key twice within 2 seconds. <i>Kiss off</i> can also be performed locally if Zone 4 is programmed as a <i>Local Reset</i> switch.

## 2.0 INSTALLATION

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### 2.1 LOCATION AND MOUNTING

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Mount the *ParaVox* "Voice Dialer" on a wall, leaving at least 5cm (2") around the panel box to permit adequate ventilation/heat dissipation and verify that the selected site is even and free of bumps which may damage the product casing. Select an installation site that isn't susceptible to drastic changes in temperature, that is dry, close to a 12Vdc-power source, ground, and telephone line connection. Using a drill or screwdriver, punch out the four mounting holes on the back of the plastic case. Align the six holes of the printed circuit board with the six pins on the back plastic mounting case and snap into place. After completing required wiring, run the wires through the entry hole on the back of the plastic case and screw the back of the plastic case onto the selected installation site and affix the plastic cover.

### 2.2 POWER CONNECTIONS

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The auxiliary terminals (12Vdc) of any Paradox series control panel can be used to power the *ParaVox* by connecting the "AUX+" and "AUX-" of the control panel to the "+12VDC" and "GND" terminals of the voice dialer. If desired, a Paradox 12Vdc **801 Power Supply** and a 12Vdc backup battery can be used to power the *ParaVox*. Refer to Figure 1 on page 6.

### 2.3 TELEPHONE LINE CONNECTIONS

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The *ParaVox* Voice Dialer has been designed to be connected to a *PSTN* or a *PABX* telephone system. It places outgoing calls in response to zone input changes and seizes incoming calls when entering programming mode. The telephone line terminals are connected as shown in Figure 1 on page 6.



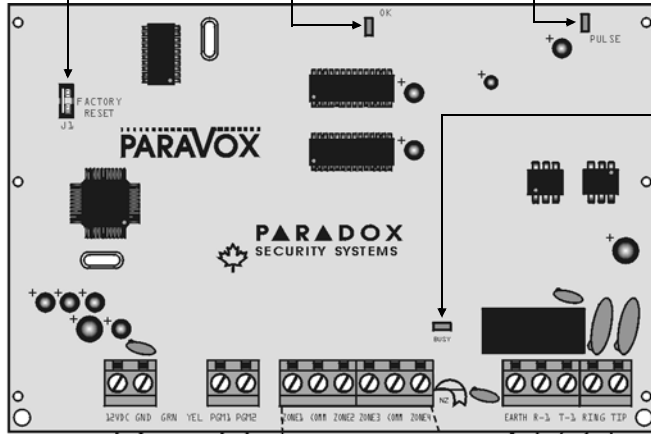
***Avoid connecting pulse dial telephones to the T1 and R1 terminals of the ParaVox. The customer's telephone line connected to the ParaVox cannot be used to program the unit. You must connect or use a separate telephone line (ex: through a cell phone) to program the ParaVox.***

# Figure 1: ParaVox Installation Diagram

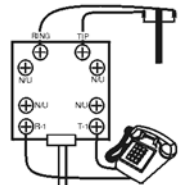
Resets all ParaVox settings to factory defaults.

OK LED pulses during normal operation.

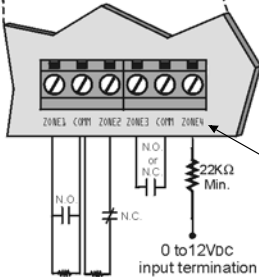
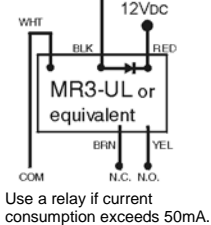
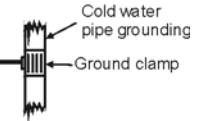
The PULSE LED indicates the TLM and dialing state (see section 3.1.2 on page 9).



**BUSY LED:**  
**OFF** = Idle or recording messages  
**ON** = In dialing or programming mode



To control panel's auxiliary output or Paradox 801 power supply



Configure each input to use any of these setups:

- N.O. / N.C. with EOL (1KΩ / 2KΩ)
- N.O. / N.C. with no EOL
- 0 to 12Vdc input termination termination

Zone 4 can also be used as a Local Reset inpt. Refer to section 4.3.4 on page 17.

The contacts shown in the above drawing can be control panel PGMs, detection devices, switches or relays.



## 2.4 ZONE INPUT TERMINALS

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Up to four zone inputs can be used to initiate a dial-out to pre-programmed telephone or pager numbers. When the *ParaVox* recognizes a change at the zone input, it will proceed with the programmed dial-out. Each zone input can be configured to use normally opened or normally closed triggering with or without an EOL resistor (1K/2K). Each zone input must be in its triggered or active state for longer than the programmed *Zone Speed* (see section 4.3.3 on page 17) before the *ParaVox* will proceed to dial-out. Please refer to *Zone Options* in section 4.3 on page 16 for more information on how to program these termination methods. Refer to Figure 1 on page 6 for more information.

### EXAMPLE:

Connect the output of a control panel's PGM to zone input 1 as shown in figure 1 on page 7. Program the PGM to activate when there is an alarm. When an alarm occurs in the control panel, the PGM output will activate (close). The *ParaVox* will recognize this change and proceed to dial-out as defined by the *Telephone Number Assignment* for zone input 1 (see section 6.5).

A 12Vdc input termination method is also available. Using this method, the *ParaVox* will verify the voltage levels of a device connected to its input and responds accordingly depending on the programmed *Idle State* (see section 4.3.2 on page 16). To ensure reliable triggering when using the 0-12Vdc-termination method, connect a 22K $\Omega$  resistor in series.

## 2.5 PROGRAMMABLE OUTPUTS (PGMs)

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Two outputs (PGM1 and PGM2) are available on the *ParaVox* for remote switching of other devices. A user can remotely activate (close) or deactivate (open) the output by calling the *ParaVox* and pressing the appropriate key (see section 5.0 on page 22). For example, a PGM can be used to turn on air conditioning or heat, extinguish lights, activate a sprinkler system, or open a garage door. When activated, a PGM provides a maximum 50mA current sink to 0Vdc. If the load on the PGM is to exceed 50mA, we recommend using a relay as shown in Figure 1 on page 6.

## 2.6 SYSTEM RESET

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Performing a system reset will set all options and settings to factory default. To execute a system reset perform the following:

- 1) Remove the power connections ("**+12VDC**" and "**GND**") from the *ParaVox*.
- 2) Place a jumper on the "**FACTORY RESET**" pins (J1) of the *ParaVox* (see Figure 1 on page 6).
- 3) Re-connect the power connections to the *ParaVox*.
- 4) Wait 10 seconds and remove jumper "J1".

## 3.0 BASIC OPERATION

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### 3.1 LED INDICATORS

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#### 3.1.1 "O.K." LED

- When the *ParaVox* is powered and is operating normally, the O.K. LED will flash.

#### 3.1.2 "Pulse" LED

- With the *ParaVox* in its idle state and with TLM disabled (see section 4.5.3 on page 20), the Pulse LED is off.
- With the *ParaVox* in its idle state and with TLM enabled, the LED will flash briefly every second indicating that it is verifying the telephone line. If the telephone line is not present, the LED will flash (1 second ON and 1 second OFF) to indicate TLM failure.
- When the *ParaVox* is pulse dialing, the LED will pulse in synch with the dialing sequence. When the *ParaVox* is tone dialing, the LED will remain on for the duration of the dialing sequence.

#### 3.1.3 "Busy" LED

- When the *ParaVox* is idle or while recording messages, the LED is off.
- When the *ParaVox* is in the **Dialer** or **Programming** modes, the LED is on.

### 3.2 STANDBY MODE

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In this mode, the voice dialer is idle ("OK" LED flashes), waiting for one of two events to occur:

- 1) When one of the four zone inputs on the *ParaVox* has triggered, the voice dialer immediately enters the **Dialer** Mode (see section 3.3 on page 16).
- 2) When receiving an incoming call, the *ParaVox* waits a pre-determined number of rings (see *Answering Options* in section 4.5 on page 19), seizes the line and enters the Programming Mode. If the *ParaVox* is sharing the same line as an answering machine, please refer to *Answering Machine Override* in section 4.5.2.

### 3.3 DIALER MODE

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When a zone input has triggered, the *ParaVox*:

- 1) Seizes the telephone line and disconnects all other telephones.
- 2) Waits for a dial tone (see *No Dial Tone Action* in section 4.6.3 on page 21).
- 3) Dials the first telephone/pager number assigned to the triggered zone input (see *Telephone Number Assignment* in section 6.5 on page 30). If it's a Voice Message Number go to step #4. If it's a Pager Number go to step #7.

#### **Voice Message Number:**

- 4) After dialing the number and after the *Post Dial Delay* has elapsed (see section 6.1 on page 24), the *ParaVox* will begin transmitting the recorded message linked to the triggered zone (see section 6.3 on page 26). It will transmit the message the number of times defined by the *Voice Message Repeats* (see section 4.2.2 on page 15).
- 5) The user must acknowledge receipt ("kiss off") of the message (see section 4.2.3 on page 15). If the *ParaVox* does not receive a "kiss off", it will hang up, queue the number for redial and dial the next number in the dial-out list.
- 6) If after dialing the number, there is a busy signal, the *ParaVox* will hang up, queue the number for redial, wait for 4 seconds and dial the next number in the dial-out list.

#### **Pager Number:**

- 7) After dialing the number and after the *Post Dial Delay* has elapsed (see section 6.1 on page 24), the *ParaVox* will begin transmitting the recorded numerical message linked to the triggered zone (see section 6.3 on page 26).
- 8) After transmitting the message and after the *Post Pager Delay* (see section 4.1.4 on page 14), it will hang up and dial the next number in the dial-out list. Since the *ParaVox* assumes that the pager service has received and relayed the message, user acknowledgment ("kiss off") is not required and the *ParaVox* no longer attempts to dial this number again regardless of the number of *Redials* programmed (see section 4.1.2 on page 13).
- 9) If after dialing the number there is a busy signal, the voice dialer will hang up, queue the number for redial, wait for 4 seconds and dial the next number in the dial-out list.

**Dial-Out List:**

For example, if zone input 1 has been assigned to dial telephone number locations 1 and 2 and the *Redials* are set to 2. The Voice Dialer will dial-out as follows:

1st attempt: call TEL1 then call TEL2

1st redial: call TEL1 then call TEL2

2nd redial: call TEL1 then call TEL2



***Please note that pager numbers are dialed only once, regardless of the Redials setting unless the number was busy. Also note that telephone numbers are not redialed once "kiss off" is received.***

## 4.0 INSTALLER'S PROGRAMMING MODE

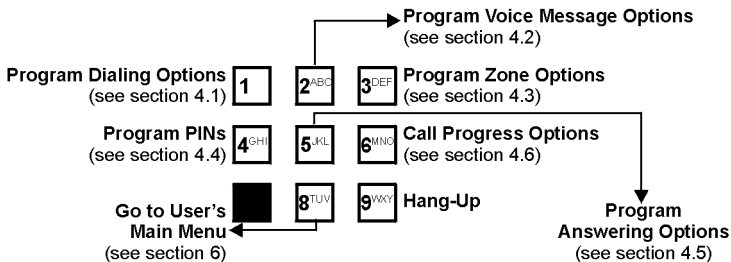
The *Installer's Programming Mode* allows parameters to be set that are not available in the *User's Programming Mode*. In the *Installer's Programming Mode* there aren't any voice prompts to guide your way. However, when a programmable setting has been programmed, you will hear a confirmation tone (3 beeps) and the *ParaVox* will save and exit. When choosing a selection that isn't available, the telephone will emit a rejection tone (1 long beep).

**PROGRAMMING EXAMPLE:** Change number of "Redials" to 2.

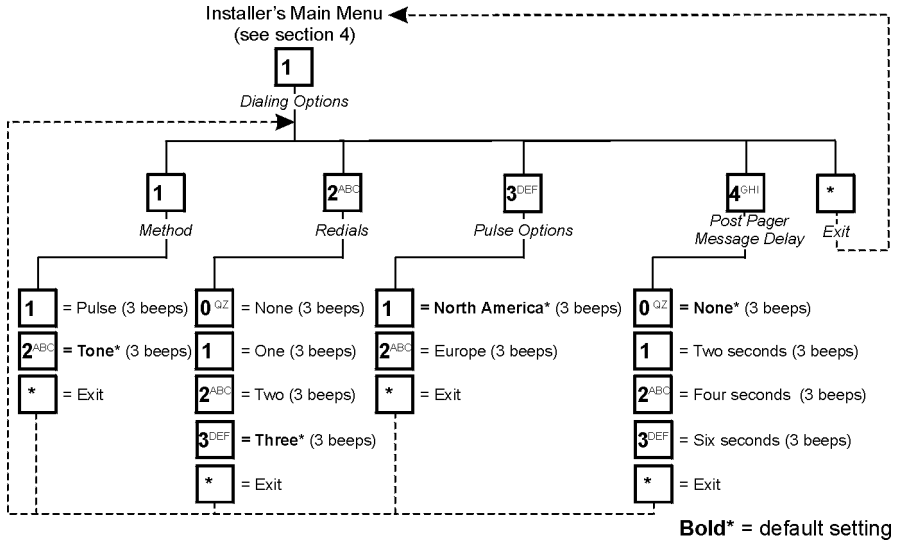
- 1) Dial the *ParaVox* telephone number. ("Hello, please enter your PIN")
- 2) Enter a valid Installer PIN. (beep-beep-beep).
- 3) Press **[1]** to program Dialing Options.
- 4) Press **[2]** to program Redials.
- 5) Press **[2]** to set Redials to 2. (beep-beep-beep).
- 6) Automatically saves and exits.

Pressing the **[\*]** key at any time reverts to the preceding section without saving. In most situations users and installers can type over voice prompts rather than waiting for the prompt to end. The *ParaVox* will hang up if no actions are made after approximately 60 seconds. To enter the Installer's Programming Mode:

- STEP 1:** Dial the telephone number to which the *ParaVox* Voice Dialer is connected.  
When the Voice Dialer answers (see *Rings Before Answering* in section 4.5.1) you will hear: "Hello, please enter your PIN"
- STEP 2:** On telephone keypad, key in the Installer PIN (default: **777444**)  
A confirmation tone (BEEP-BEEP-BEEP) indicates the PIN was accepted
- STEP 3:** Select an action from the **INSTALLER'S MAIN MENU**:



## 4.1 DIALING OPTIONS



### 4.1.1 Dialing Method

The *ParaVox* can use Pulse or Tone (DTMF) dialing. The *ParaVox* automatically switches to tone dialing when transmitting pager messages.



**Please note that pulse dialing is not recommended and if used, proper operation is not guaranteed.**

### 4.1.2 Redials

This parameter defines how many times (excluding the first attempt) the *ParaVox* will redial the same telephone number if a busy signal is detected or if it hasn't received a "kiss off" from the user. Since the *ParaVox* assumes the pager service has received and relayed the message, the *ParaVox* does not redial pager numbers unless the number was busy. Please note that the *ParaVox* does not immediately redial the same number. It will dial any other numbers in the Dial-Out List (see section 3.3) before returning to the same number (i.e. #1, #2, #1, #2 **NOT** #1, #1, #2, #2).

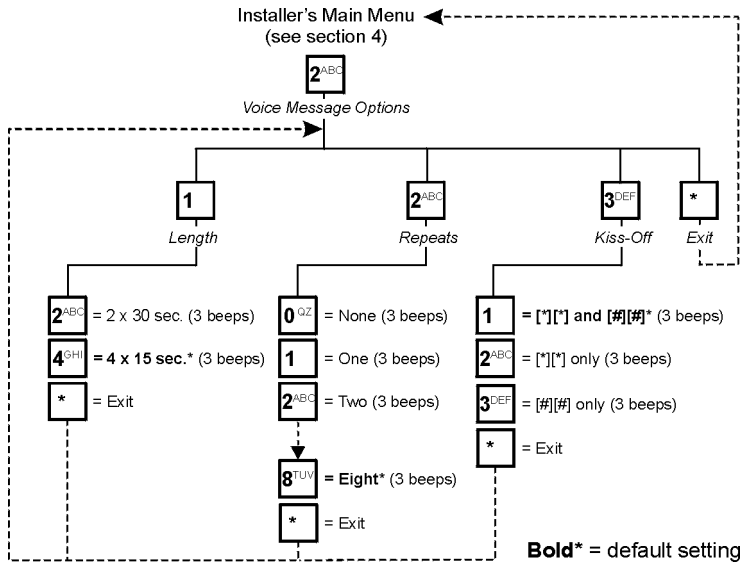
### 4.1.3 Pulse Options

When using Pulse Dialing, the *ParaVox* can use North American (1:1.5 ratio, 10PPS) or European (1:2 ratio, 10PPS) dialing characteristics.

### 4.1.4 Post Pager Message Delay

After dialing the pager number, *ParaVox* will wait the programmed delay period before sending the message. After sending the message, *ParaVox* will hang up. The *Post Pager Message Delay* can be set to zero, two, four, or six seconds.

## 4.2 VOICE MESSAGE OPTIONS



### 4.2.1 Voice Message Length

The *ParaVox* can be configured to provide either two 30 seconds messages or four 15 second messages. Refer to *Record Voice or Pager Messages* in section 6.3 on page 26 for information on how to record these messages.





**Please note that every time the Voice Message Length is programmed, the ParaVox will erase any existing messages and will use the default messages until a new message is recorded.**

#### **4.2.2 Voice Message Repeats**

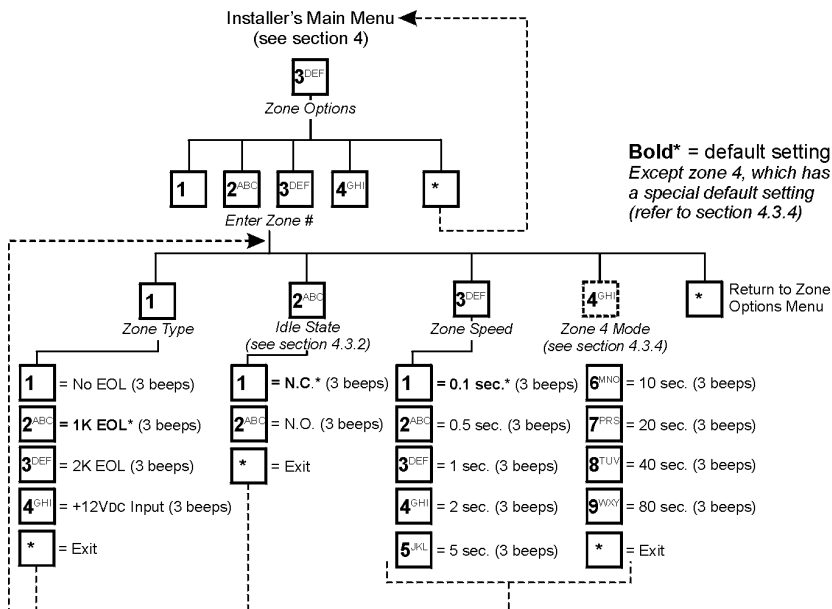
This sets the number of times the *ParaVox* will repeat the recorded voice message once the called party has answered or the *Post Dial Delay* period (see section 6.1 on page 24) has expired.

#### **4.2.3 Kiss off Options**

To acknowledge receipt ("kiss off") of a message and to cancel any further dialing attempts to this number, the user must press the **[#]** key twice within 2 seconds. After "kiss off", the *ParaVox* will dial the next number in the dial-out list and it will no longer attempt to dial this number again regardless of the number of *Redials* programmed (see section 4.1.2 on page 13).

To acknowledge receipt ("kiss off") of a message and to cancel any further dialing attempts to all numbers assigned to the triggered zone, the user must press the **[\*]** key twice within 2 seconds. After "kiss off", the *ParaVox* will say "goodbye" and hang up. If the *ParaVox* does not receive a "kiss off", it will hang-up, queue the number for redial and dial the next number in the dial-out list.

## 4.3 ZONE OPTIONS



### 4.3.1 Zone Type

The following zone input terminations can be selected for each zone input: 1K, 2K, or no EOL or 0-12Vdc input termination (see section 2.4 on page 7).

### 4.3.2 Idle State

This parameter defines the idle state (N.O. or N.C.) of the device connected to each zone input. If using the 0-12Vdc input termination method (see section 2.4 on page 7), the Idle State functions as indicated in the table below. Refer to section 2.4 on page 7.

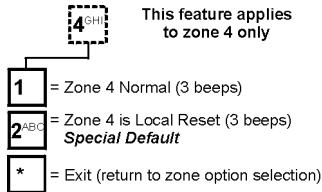
- [1] N.C.: 0V to 4.33V = Alarm (initiates dial-out)  
4.33 to 12V = O.K (normal)
- [2] N.O.: 0V to 4.33V = O.K (normal)  
4.33 to 12V = Alarm (initiates dial-out)

### 4.3.3 Zone Speed

The Zone Speed parameter defines how long a zone input must remain in its opposite state (triggered) before the *ParaVox* responds to the triggering of the zone input. This feature prevents any momentary glitches in the system from causing unnecessary dial-outs. Each zone input can be set with a Zone Speed of 0.1 seconds to 80 seconds.

### 4.3.4 Zone 4 Mode

If you select option **[1]**, the *ParaVox* will process zone 4 like any other zone in the voice dialer. Zone 4 will be considered normal.

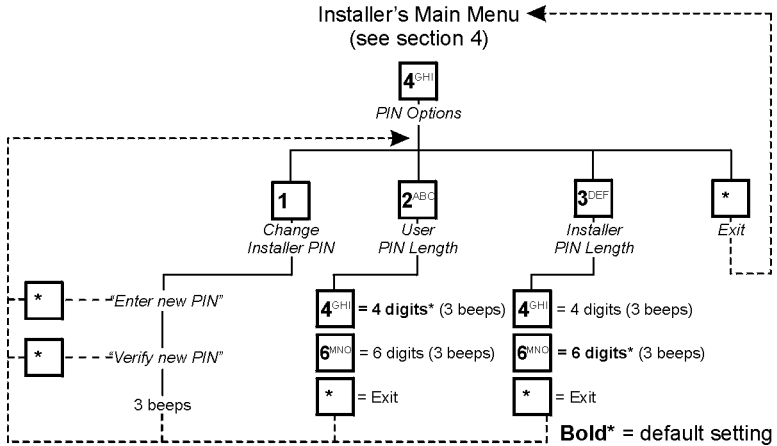


If you select option **[2]**, zone 4 can be used as a local reset (kiss off). Program the appropriate *Zone Options* and when zone 4 has met the trigger requirements (*Zone Options*), the *ParaVox* will cancel all pending calls assigned to the currently triggered zone (zones 1 to 3).

#### Special Defaults for Zone 4:

- Local Reset (kiss off) enabled
- No EOL resistor
- Normally Open
- Zone Speed is one second

## 4.4 PIN OPTIONS



### 4.4.1 Change Installer PIN (Default: 777444)

To change the installer PIN, enter the new 4-digit or 6-digit number twice. Voice prompts will be played in this section indicating when to enter the PINs. This will be verified by 3 short beeps. Press the [\*] at any time to cancel the change.

### 4.4.2 Set User PIN Length

The User pin length can be set to four or six digits (*default: 4*).

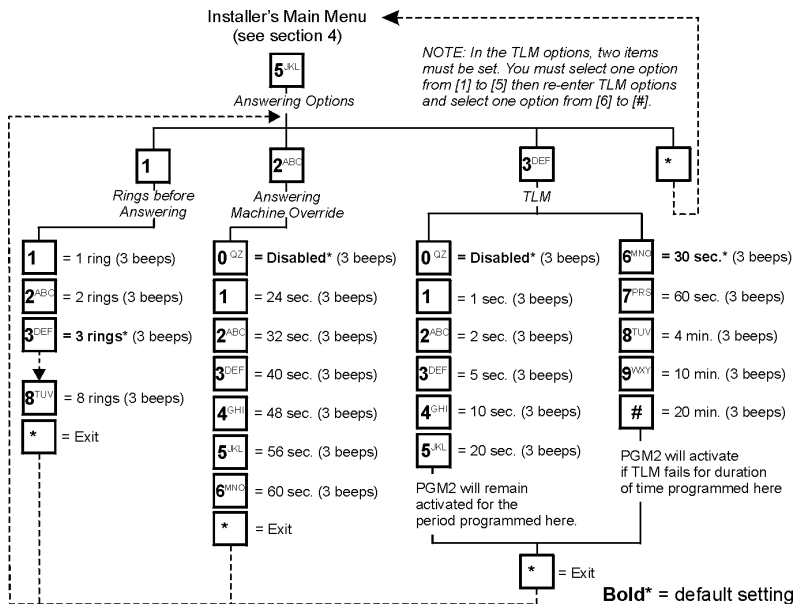
### 4.4.3 Set Installer PIN Length

The Installer pin length can be set to four or six digits (*default: 6*).



**We recommend using the default User & Installer PIN Lengths. Otherwise, a user can accidentally enter the Installer's Programming Mode or accidentally change the Installer's PIN. When you change the PIN Length from 4 digits to 6 digits, the ParaVox will automatically add the last 2 digits by using the first 2 digits. For example, if the PIN is 1234 and it will become 123412. When you change the PIN Length from 6 digits to 4 digits, the ParaVox will automatically remove the last 2 digits.**

## 4.5 ANSWERING OPTIONS



### 4.5.1 Rings Before Answering

This parameter determines after how many rings the *ParaVox* will wait before answering the telephone call. This parameter can be set from 1 to 8 rings. If an answering machine is sharing the same line as the *ParaVox*, please refer to the *Answering Machine Override* option (see section 4.5.2 below). **Set this parameter to a minimum of two rings in order for this feature to function correctly.**

### 4.5.2 Answering Machine Override

If there is an answering machine sharing the same line as the *ParaVox*, you must set the *Rings Before Answering* (see section 4.5.1 above) to less than the number of rings required for the answering machine to answer. The user then calls the *ParaVox* and hangs up before the programmed number of rings. If the user redials (waiting at least 10 sec.) within the period defined by

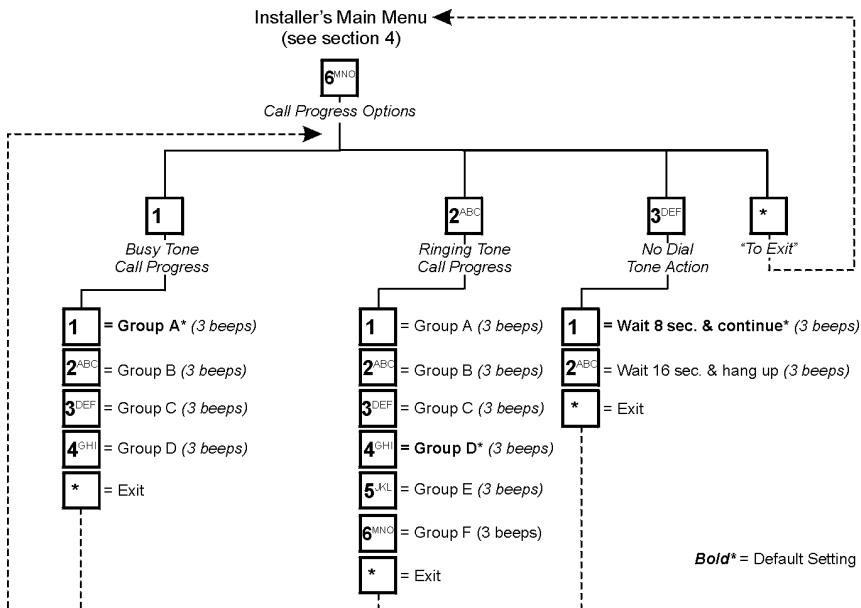
the *Answering Machine Override* option (24-60 sec.), the *ParaVox* will immediately pick up the line.

### 4.5.3 Telephone Line Monitoring (TLM)

Telephone Line Monitoring checks the telephone line every second to see if it is still connected. In the TLM options menu, two different items must be programmed.

- 1) If the line is disconnected for longer than the period defined by options **[6]** to **[#]** (see figure on previous page), the *ParaVox* will activate PGM2.
- 2) When PGM2 is activated, PGM2 will remain activated for the period defined by options **[1]** to **[5]** (see figure on previous page). PGM2 will continue to re-trigger for as long as the line is disconnected. To completely disable telephone line monitoring, set the TLM option to **[0]**.

## 4.6 CALL PROGRESS OPTIONS



#### **4.6.1 Busy Groups**

*Group A - (Range is 400 - 600ms ON/OFF time)*

Canada, USA, Japan, Korea, Israel, Africa, Taiwan, Germany, Cyprus, France, Ireland, Poland, Switzerland, Portugal, Netherlands, Luxembourg, Bulgaria(4)

*Group B - (Range is 240 - 450ms ON/OFF time)*

Australia, New Zealand, UK, Finland, Greece, Hungary

*Group C - (Range is 160 - 300ms ON/OFF time)*

Italy, Spain, Sweden, Iceland, Brazil, Bulgaria(3)

*Group D - (Range is 120 - 750ms ON/OFF time)*

All others [i.e. Norway, Belgium, Bulgaria(1), Bulgaria(2), Ireland, Singapore, Czech. Republic]

#### **4.6.2 Ring Groups**

*Group A - (Range is 750ms-1.5s ON, 2.8s-4.8s OFF)*

Hungary, Czech. Republic, Finland, Greece, Italy, Luxembourg, Netherlands, Norway, Germany, Poland, Iceland, Belgium, Bulgaria (2), Switzerland.

*Group B - (Range is 750ms-1.25s ON, 4.0s-6.0s OFF)*

Austria, Portugal, Sweden

*Group C - (Range is 1.25s-1.75s ON, 2.75s-3.85s OFF)*

Cyprus, France, Spain

*Group D - (Range is 1.6s-2.4s ON, 3.2s-4.8s OFF)*

Canada, USA, Taiwan, Brazil, Israel

*Group E - (Range is 400ms ON, 200ms OFF, 400ms ON, 2s OFF (repeated +/- 20%))*

U.K., Ireland, Africa, Singapore, Australia, New Zealand

*Group F - (Range is 800ms-1.2s ON, 1.6s-2.4s OFF)*

Japan, Korea

#### **4.6.3 No Dial Tone Action**

With option **[1]** selected, the *ParaVox* will continue to dial if no dial tone is present after 8 seconds. With option **[2]** selected, the *ParaVox* will hang-up if no dial tone is present after 16 seconds.

## 5.0 USER'S OPENING MENU

The *User's Opening Menu* allows a user to activate or deactivate the programmable outputs and enter the *User's Programming Mode* (see section 6.0 on page 23). Please note that while in any of the user menus, detailed voice prompts will guide the user through available selections. Also note that pressing the [\*] key at any time will revert to the preceding section without saving. In most situations users and installers can type over voice prompts rather than waiting for the prompt to end. The *ParaVox* will repeat the voice prompts four times. If no actions are made in this time, the *ParaVox* will hang up. To enter the User's Opening Menu:



Call the ParaVox Voice Dialer

*\*If there is an answering machine sharing the same line, refer to the Answering Machine Override Option in section 4.5.2.*



"Hello, please enter your PIN"



Key in the User PIN (default: 1234)

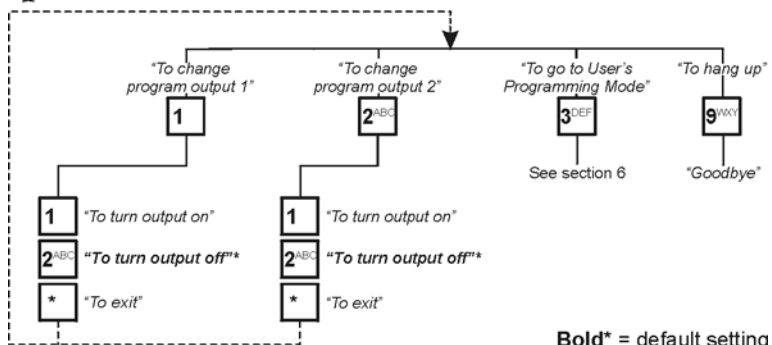


"Output one is <on/off>. Output two is <on/off>."

This message can be programmed see section 6.3



Select the desired action as shown below.



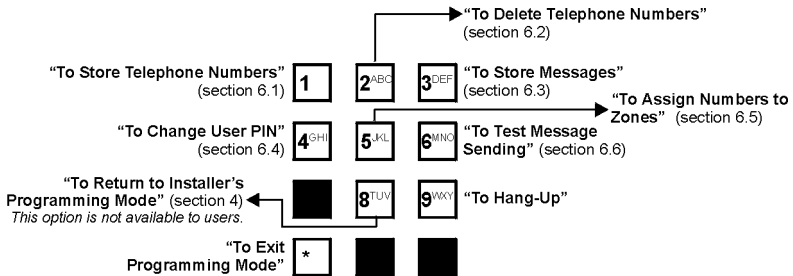


## 6.0 USER'S PROGRAMMING MODE

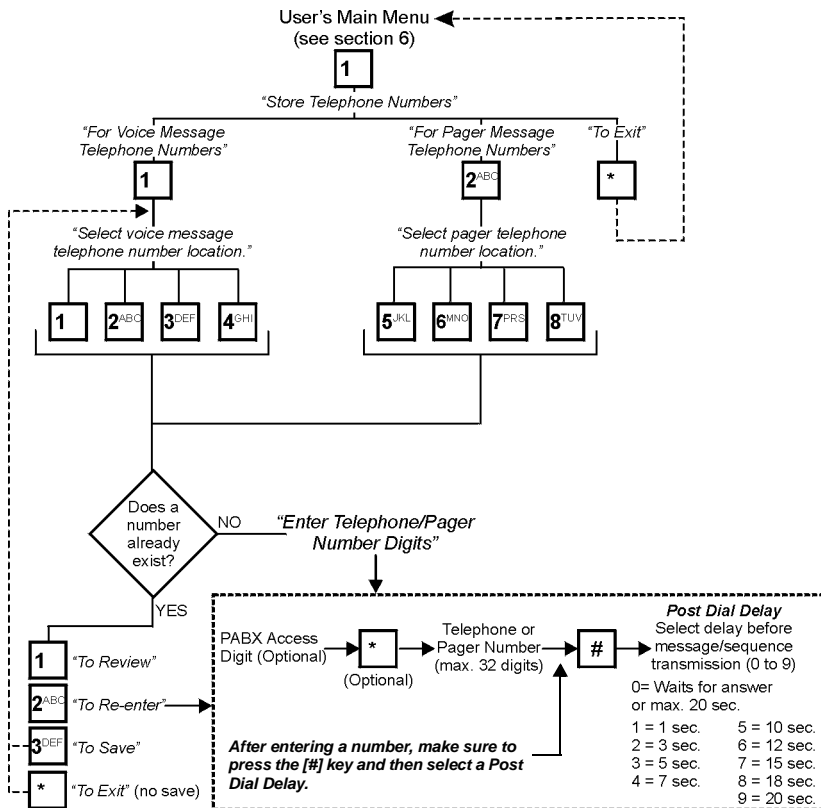
By entering the *User's Programming Mode*, users and installers can set most of the *ParaVox's* parameters. Please note that while in any of the user menus, detailed voice prompts will guide the user through available selections. Also, note that pressing the [\*] key at any time will revert to the preceding section without saving. In most situations users and installers can type over voice prompts rather than waiting for the prompt to end. The *ParaVox* will repeat the voice prompts four times. If no actions are made in this time, the *ParaVox* will hang up.

User	Installer
To enter the <i>User's Programming Mode</i> , press the [3] key from the <i>User's Opening Menu</i> (section 5).	To enter the <i>User's Programming Mode</i> , press the [8] key from the <i>Installer's Main Menu</i> (section 4).

### User's Main Menu



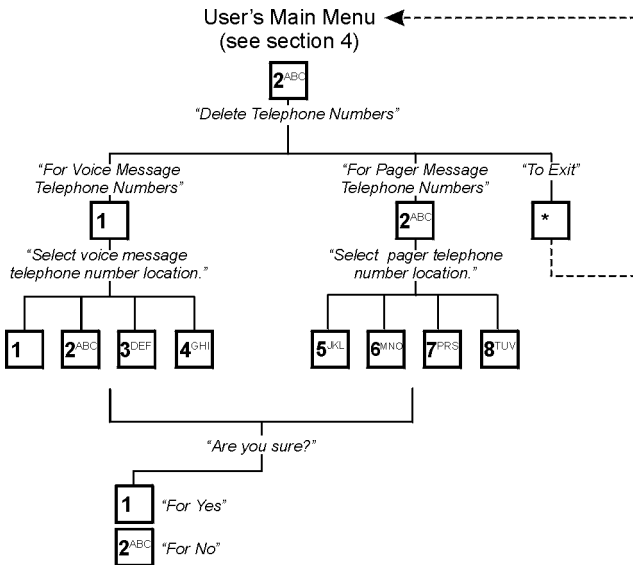
## 6.1 STORE TELEPHONE NUMBERS



The *ParaVox* unit can store up to four telephone numbers in locations **[1]** to **[4]** and up to four pager numbers in location numbers **[5]** to **[8]**. When a telephone number location is assigned to a zone input (see section 6.5 on page 30), the *ParaVox* will dial the number programmed here whenever the zone input is triggered.

**!** **When entering numbers, do not wait more than 4 seconds between key presses. After entering a number, make sure to press the [#] key and then select a Post Dial Delay as shown above.**

## 6.2 DELETE TELEPHONE AND PAGER NUMBERS

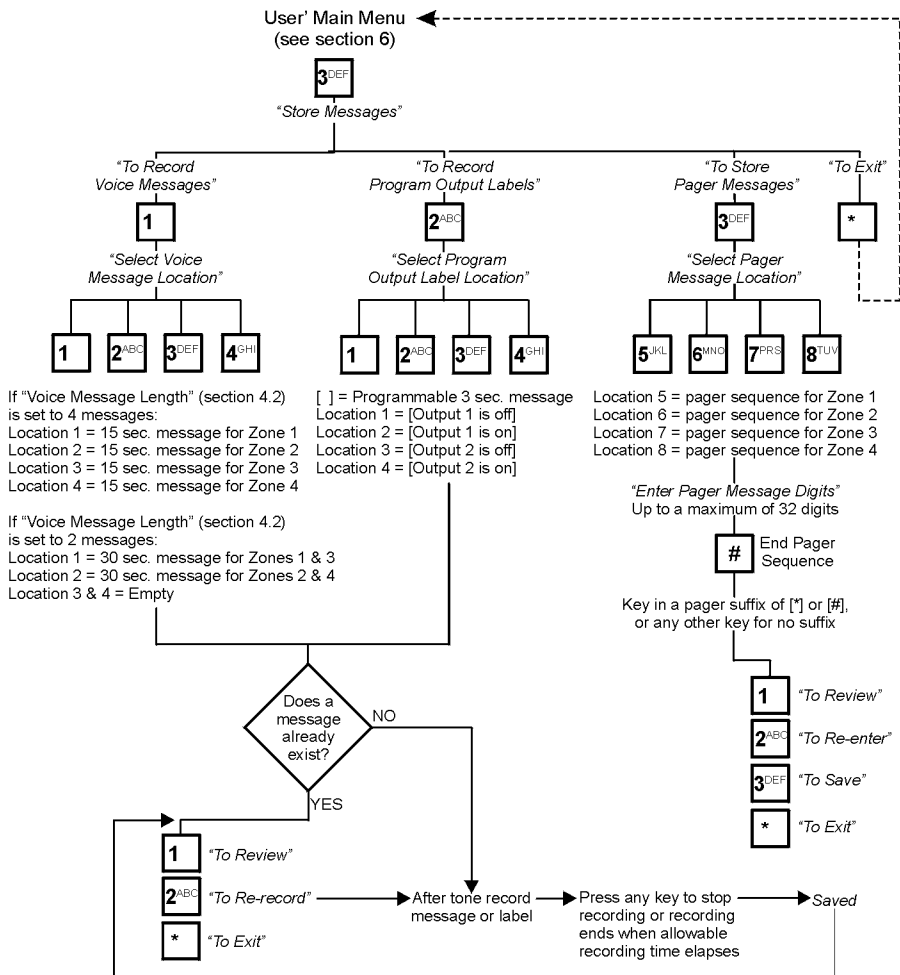


Previously stored voice message telephone numbers and pager telephone numbers can be deleted by entering option **[1]** or **[2]** from the *Delete Telephone Numbers* menu. Select the desired voice message telephone or pager number location. Deletion is confirmed by entering **[1]** for yes or **[2]** for no.



**When you delete a telephone number, the ParaVox will automatically remove the number from all zone assignments.**

## 6.3 RECORD VOICE OR PAGER MESSAGES



### 6.3.1 Voice Messages

If key [1] is selected from the *Store Messages* menu, you will be able to record voice messages. Depending on the selected Voice Message Length (see section 4.2.1 on page 14) you will be able to record two 30 second messages or four 15 second messages. Each recorded message is linked to a specific zone input as shown in the figure on the previous page. When a triggered zone has been programmed to dial-out a voice message telephone number (see section 6.5 on page 30) and when the number is reached, the voice dialer will play the recorded message linked to the triggered zone.

#### **Default Messages:**

*"Trigger of zone x detected. Key hash twice or star twice to accept."*

#### **Sample Voice Messages:**

*"Liquid level above normal"*

*"Smoke detected in the archive room"*

We recommend adding the following to your voice messages:

*"...press the [#] or [\*] key twice to acknowledge message"*

### 6.3.2 Program Output Labels (messages)

Selecting the [2] key from the *Store Messages* menu allows the user to record voice prompts linked to the programmable outputs (3 seconds maximum) as shown in the diagram on page 26. These messages are played when entering the *User's Opening Menu* and when changing the state of the programmable outputs (see section 5.0 on page 22).

#### **Default Labels (messages):**

*"Output 1 is <on/off>"*

*"Output 2 is <on/off>"*

#### **Sample Program Output Labels:**

*"Garage door is open"*

*"Air conditioning is off"*

### 6.3.3 Pager Messages

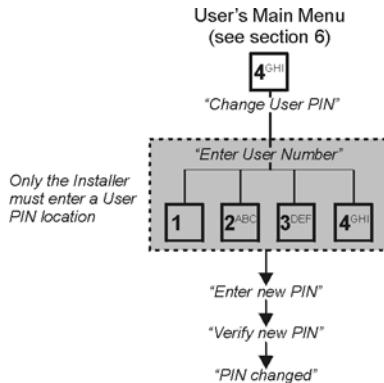
If key [3] is selected from the *Store Messages* menu, you will be able to record numerical pager messages. Up to four 32-digit pager messages can be programmed each of which is linked to a specific zone input as shown in the figure on the previous page. When a triggered zone has been programmed to dial-out a pager number (see section 6.5 on page 30) and when the number is reached, the voice dialer will transmit the recorded numerical message linked to the triggered zone.

**EXAMPLE:**

In the following example notice how the messages are linked to the triggered zone and not the telephone numbers.

Zone 4 is programmed to dial telephone number locations 1 and 2. When zone 4 has triggered, the *ParaVox* will dial the telephone number stored in "telephone number location 1". After the Post Dial Delay, the *ParaVox* will play the message recorded in "Voice Message Location 4". The *ParaVox* will proceed by dialing the number recorded in "telephone number location 1". After the Post Dial Delay, the *ParaVox* will play the message recorded in "Voice Message Location 4".

## 6.4 CHANGE USER PIN (DEFAULT: 1234)



Press the [\*] at any time to revert to the *User's Main Menu* without saving.

The *ParaVox* system supports up to four user PINs, which can be 4 or 6 digits in length as defined in section 4.4.2 on page 18.

### 6.4.1 Installer Instructions:

After entering the *User's Programming Mode*, press the [4] key to enter the *Change User PIN* menu. Select which User PIN from [1] to [4] that you wish to change and enter the new PIN twice. The [\*] key can be pressed at any time to exit without saving.

#### **6.4.2 User Instructions:**

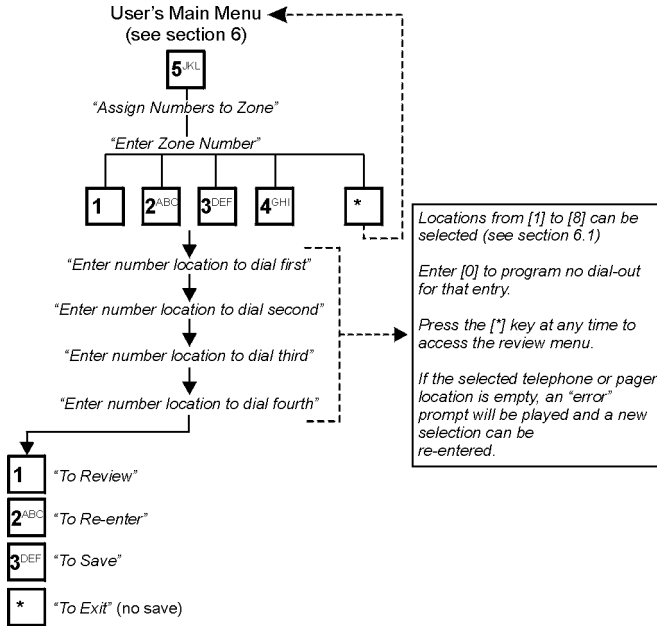
After entering the *User's Programming Mode*, the user presses the **[4]** key to enter the *Change User PIN* menu. The user then enters the new PIN twice (please note that the user does not have to select a User PIN location). After entering the PIN twice the *ParaVox* automatically saves the PIN in a User PIN location. Users can only change their own PINs (the PIN used to enter the *User's Main Menu*). The **[\*]** key can be pressed at any time to exit without saving.

When programming a user PIN for the first time, the user must enter the *User's Main Menu* using the default User PIN (**1234**). Then change the PIN to the desired number. To program subsequent User PINs, the user must exit and re-enter the *User's Main Menu* using the default PIN.



***Please note that the default User PIN (1234) is only erased after programming all 4 user PINs. Therefore, if only one user is going to use the system, we recommend programming the same user PIN in all four locations in order to erase the default PIN.***

## 6.5 TELEPHONE NUMBER ASSIGNMENT



The *ParaVox* can assign up to four telephone or pager numbers to each of the four zone inputs. This means each zone has a prioritized sequence of dial-outs customized to suit the input. Since voice and pager messages are linked to specific zones, telephone numbers assigned to a zone will play the same voice messages and pager numbers will send the same numerical message.

The User selects the desired zone input and enters up to four telephone and/or pager number locations (one through eight) in the order of dial-out preference. If a location that corresponds to an empty voice or pager number is selected, an "error" message is played and the user can enter another location. To disable a zone input, enter zero in all four number locations for that zone, or wire the zone input to never trigger. Press the [\*] star key after the last entry to enter less than four entries and access the review menu.



## 6.6 TEST MESSAGE SENDING

---

The User may test the dialer functionality by entering the *Test Message Sending* menu and entering a digit between one and eight corresponding to the desired telephone number location (see section 6.1 on page 24). If an empty location is selected (no number is stored there), the "error" prompt will be played. Another selection can then be entered.

After selecting the desired telephone number location, the *ParaVox* will dial the selected telephone number and after the Post Dial Delay it will play the message recorded in Message Location 1.



***Telephone numbers 1 to 4 will always play the voice message stored in Voice Message Location 1. Pager numbers 5 to 8 will always play the pager message stored in Pager Message Location 5.***

### **EXAMPLE:**

To test the message transmission of telephone number 4. Press the **[6]** key from the *User's Main Menu*, then press the **[4]** key to select Telephone Number Location 4. The *ParaVox* will dial the number stored in Telephone Number Location 4. When the Post Dial Delay has elapsed, the *ParaVox* will transmit the message programmed in Voice Message Location 1.

## 7.0 PROGRAMMING DATA SHEET

---

The following pages have been provided to record the *ParaVox's* settings.

### Personal Identification Numbers (PINs)

User PIN Length (section 4.4.2): \_\_\_\_\_  
Installer PIN Length (section 4.4.3): \_\_\_\_\_  
User PIN 1 (section 6.4): \_\_\_\_\_ Default: 1234  
User PIN 2 (section 6.4): \_\_\_\_\_ Default: 1234  
User PIN 3 (section 6.4): \_\_\_\_\_ Default: 1234  
User PIN 4 (section 6.4): \_\_\_\_\_ Default: 1234  
Installer PIN (section 4.4.1): \_\_\_\_\_ Default: 777444

### Telephone and dialing Parameters

Dialing Method (section 4.1.1): \_\_\_\_\_ (Pulse/Tone)  
Redials (section 4.1.2): \_\_\_\_\_ (0 to 3)  
Pulse Options (section 4.1.3) \_\_\_\_\_ (N. America/Europe)  
Post Pager Delay (section 4.1.4): \_\_\_\_\_ (0, 2, 4, or 6 sec.)  
Rings for Answering (section 4.5.1): \_\_\_\_\_ (1 to 8)  
Ans. Override (section 4.5.2): \_\_\_\_\_ (24 to 60 sec.)  
TLM (section 4.5.3): \_\_\_\_\_ [0] to [5] \_\_\_\_\_ [6] to [#]

### Call Progress Options

Busy Tone (section 4.6.1): \_\_\_\_\_  
Ringing Tone (section 4.6.2): \_\_\_\_\_  
No Dial Tone Action (section 4.6.3): \_\_\_\_\_

### Voice Message & Pager Telephone Numbers (section 6.1)

Location 1 #: \_\_\_\_\_ Post Dial Delay: \_\_\_\_\_  
Location 2 #: \_\_\_\_\_ Post Dial Delay: \_\_\_\_\_  
Location 3 #: \_\_\_\_\_ Post Dial Delay: \_\_\_\_\_  
Location 4 #: \_\_\_\_\_ Post Dial Delay: \_\_\_\_\_  
Location 5 #: \_\_\_\_\_ Post Dial Delay: \_\_\_\_\_  
Location 6 #: \_\_\_\_\_ Post Dial Delay: \_\_\_\_\_  
Location 7 #: \_\_\_\_\_ Post Dial Delay: \_\_\_\_\_  
Location 8 #: \_\_\_\_\_ Post Dial Delay: \_\_\_\_\_

**Recorded Voice Messages (section 6.3.1)**

Message Length (section 4.2.1): \_\_\_\_\_ (2x30sec. or 4x15sec.)

Message Repeats (section 4.2.2): \_\_\_\_\_ (1 to 8)

Kiss off Options (section 4.2.3) \_\_\_\_\_ (\*\*, ##, or both)

Location 1 / Zone 1: \_\_\_\_\_

Location 2 / Zone 2: \_\_\_\_\_

Location 3 / Zone 3: \_\_\_\_\_

Location 4 / Zone 4: \_\_\_\_\_

**Recorded Pager Messages (section 6.3.3)**

Location 5 / Zone 1: \_\_\_\_\_

Location 6 / Zone 2: \_\_\_\_\_

Location 7 / Zone 3: \_\_\_\_\_

Location 8 / Zone 4: \_\_\_\_\_

**Recorded Output Labels (section 6.3.2)**

Location 1 / Output 1 off: \_\_\_\_\_

Location 2 / Output 1 on: \_\_\_\_\_

Location 3 / Output 2 off: \_\_\_\_\_

Location 4 / Output 2 on: \_\_\_\_\_

**Assign Numbers to Zones (section 6.5)**

	1st Location	2nd Location	3rd Location	4th Location
Zone 1:	_____	_____	_____	_____
Zone 2:	_____	_____	_____	_____
Zone 3:	_____	_____	_____	_____
Zone 4:	_____	_____	_____	_____

**Zone Options (section 4.3)**

	Zone Type	Idle State	Zone Speed	Notes
Zone 1:	_____	_____	_____	_____
Zone 2:	_____	_____	_____	_____
Zone 3:	_____	_____	_____	_____
Zone 4:	_____	_____	_____	_____

Zone 4: Local Reset Option (section 4.3.4): \_\_\_\_\_ (enabled/disabled)

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