MOOSE MPI-800V
Telephone Voice Interface

User Guide

Thank you for choosing the MPI-800V. This control will provide you with years of reliable operation when properly installed and maintained.

It is important to note however, that no security system provides total protection over life or property, nor can it detect intrusion or other conditions in all circumstances. Ask your security company representative to fully review the features of your system, indicate areas of potential risk, and detail recommendations for future upgrades to the system.

To maximize the benefits of your security system, please read the entire contents of this manual and become familiar with all control operations. Your security company representative has recorded confidential information about your system in this manual, therefore, you should store it in a secure place. Contact your security company representative immediately with any questions.

The following is a list of security precautions you should follow to maximize the benefits of your security system:

- Do not enter the building if you see any signs of visible entry or if you return to find the alarm sounding. Go to the nearest telephone and contact the proper authorities.

- Contact your security company representative immediately for any system malfunction. Schedule any needed service immediately using only qualified professionals.

- Pay special attention when electrical or phone services are performed on your building. Test the operation of your security system immediately following electrical or phone service to be certain it's operation was not affected.

Introduction

The MPI-800V transforms most Touch Tone® telephones into a control station for your security system. You can arm, disarm, and check the status of your security system from most Touch Tone® telephones in your home and anywhere in the world. The unit responds to your commands by speaking in easy-to-understand English phrases.

Please read these instructions carefully to become familiar with your system. It has been custom designed to meet your specific requirements and may include features not discussed in this manual. Other features discussed are optional and may not be functional in your system. Refer to Appendix A where your security company representative has recorded your customized features.

If you have questions concerning the features of your system, consult your security company representative.

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Universal Mode

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Operating Your System in Universal Mode *1*

1.1   Introduction

In Universal Mode, your security system is armed and disarmed by an output on the MPI-800V. This output is activated whenever you enter a valid pass code during a session. The MPI-800V announces when your system is armed, ready to be armed, disarmed, or in alarm.

In addition to arming and disarming, other commands are available. Figure 1-1 shows the commands for each telephone key in the Universal Mode. Table 1-1 explains these commands in greater detail.

1.2   Activation from House Telephones (Local Mode)

To activate the MPI-800V using your house telephones, pick up a Touch Tone® telephone and press the **#** key three times. The unit activates and speaks **ENTER PASS CODE**. Enter your four-digit pass code by pressing the corresponding digits on the telephone keypad. If you correctly enter the pass code, the unit responds by speaking the current system status, e.g., **SYSTEM READY**, **SYSTEM NOT READY**, **SYSTEM ARMED**, etc.

Incorrect Pass Code

If you enter an incorrect pass code, the unit speaks **PLEASE RE-ENTER** and allows you to try again. If you enter three incorrect pass codes, the unit speaks **GOODBYE**, hangs up, and activates a tamper output (if programmed). To clear the tamper, enter a valid pass code. The unit then speaks **TAMPER ALARM** to confirm that someone has attempted to enter your system.

Incoming Calls

When you are using the MPI-800V with your house telephones, the unit notifies you of incoming calls by sounding a "ring" tone in your telephone's receiver. To answer the call, press the **#** key four times. The unit speaks **GOODBYE** and connects you with the incoming call.

1.3   Activation from Outside Telephones (Remote Mode)

To allow remote access to your security system, call your home telephone number from a Touch Tone® telephone and let the telephone ring until the MPI-800V answers. (See Appendix A for number of rings before answer.) The unit sounds two beeps and speaks **ENTER PASS CODE**. After the unit accepts a valid pass code, it responds with the current system status and awaits additional commands.

Note: *If you have an answering device on your telephone system, see Section 2.1 for remote activation.*

1.4   Deactivation

To terminate a local *or* a remote session, press the # key four times. The unit speaks **GOODBYE** and hangs up.

If no activity occurs for thirty seconds, the unit automatically goes into time-out and hangs up. This time-out is extended to three minutes if the unit is in Program Mode.

1.5   Checking Status

When you activate the MPI-800V, it announces the status of the system. To check status manually, press ***2**. If all zones are ready to be armed, the unit speaks **SYSTEM READY**. If any zones are faulted, the unit speaks **SYSTEM NOT READY**. The status command also informs you of the armed/alarm state by speaking **SYSTEM ARMED** or **SYSTEM IN ALARM**. If the MPI-800V speaks **MEMORY FAILURE**, call your alarm company for service.

> **Hint:** When in *local mode*, you can check status quickly without entering a pass code. First, press the # key three times. When the unit asks for a pass code, press ***2**.

1.6   Arming

To arm your system using the MPI-800V, press # three times and enter your pass code when prompted. Once you have gained access to the MPI-800V, the unit speaks either **SYSTEM READY** or **SYSTEM NOT READY**. If your system is

ready to be armed, enter your pass code again. The unit sounds two beeps, speaks **SYSTEM ARMED, EXIT NOW... GOODBYE,** and hangs up.

Note: In Universal Mode, you must enter your pass code twice to arm or disarm: once to activate the MPI-800V, and again to activate the key switch. For quick arming and disarming, see Section 2.3.

Force Arming

If your control panel allows force arming from a key switch, you can arm even though zones are faulted. See Appendix A or contact your security company representative for instructions.

1.7   Disarming

To disarm your system with the MPI-800V, press **#** three times and enter your pass code when prompted. The unit speaks **SYSTEM ARMED, SYSTEM IN ALARM**, etc. Enter your pass code again to disarm the panel. The unit beeps twice and speaks **SYSTEM DISARMED**. If the system was in alarm, the unit speaks **SYSTEM NOT IN ALARM**.

1.8   Activating Panic

If your MPI-800V is programmed with panic, pick up the telephone and press the ***** key five times to activate. (The MPI-800V does not have to be active.) The unit speaks **ACTIVATING PANIC** and triggers the panic output.

Note: If your unit was programmed with the quick panic function disabled (See Appendix A.), you must first activate the MPI-800V, and then press the * key five times to trigger the panic output. The panic output is automatically cleared the next time you enter a valid pass code.
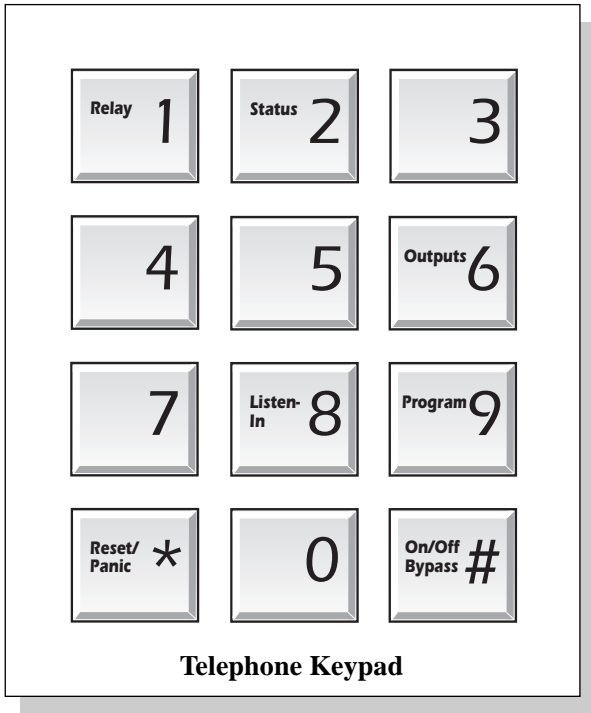
Telephone Keypad

Figure 1-1 Keypad Commands - Universal Mode

Table 1-1 Commands for Universal Mode

Telephone Keys	Command Provided
#	**Activate Local Session** - Press the **#** key three times. **Terminate Local Or Remote Session** - Press the **#** key four times. **Global OFF Command for User Outputs** - Press **#** key while in output control mode and the unit turns off all of the user-controlled 12V outputs (general purpose-type).
*	**Reset** - Press the ***** key once and the unit clears the entry and speaks **PLEASE RE-ENTER.** **Enter Command Mode** - Press ***** and the key of the desired command. **Store** - (Program Mode) Stores the last value entered into the current function map location. See Chapter 3. **Panic** - Press the ***** key five times and the unit speaks **ACTIVATING PANIC.** Any outputs programmed as Panic are activated. **Exit Program Mode** - Press the ***** key once to exit the Program Mode.
*1	**Relay Control** - Press ***1** and the unit speaks **RELAY IS ON** or **RELAY IS OFF**. If the user relay is programmed as a general purpose-type, press **1** to turn the relay on or off. If the relay is *not* a general purpose-type, the unit speaks **PLEASE RE-ENTER**. Press the ***** key once to exit this command. Upon exiting, the unit speaks **READY.**
*2	**System Status -** Press ***2** and the unit announces the current system status.
*6	**Output Control** - Press ***6** and the unit announces the status of any active general purpose-type outputs, e.g., **OUTPUT 7, 8, 9 ACTIVE**. If no outputs are active, the unit speaks **NO ACTIVE OUTPUTS**. The unit then speaks **ENTER OUTPUT NUMBER**. Enter 1 through 9 for outputs 1 through 9, and 0 for output 10. If an output is defined as a system-type output, the unit responds with **PLEASE RE-ENTER**. Press the ***** key once to exit this command. If any changes were made to the outputs, the unit announces all of the active outputs again, as described above. The unit then speaks **READY**.
*8	**Listen-In Trigger** - Press ***8** and the unit beeps twice and speaks **ACTIVATING LISTEN-IN.** The unit then activates any outputs that are defined as listen-in. **Note:** This command is available only to **remote** callers with level 3 authorization. Listen-in requires a 3rd party listen-in device. **Listen-In Deactivate** - Press ***8** and the unit beeps twice and deactivates the listen-in output (if it is active). This deactivate command is available to all users, local or remote.
*9	**Program MPI-800V Module** - See Chapter 3.

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Integrated Mode

Operating Your System in Integrated Mode **1**

Note: Before using the MPI-800V in Integrated Mode, read your control panel's user guide to become familiar with it's functions and commands.

1.1 Introduction

In Integrated Mode, your telephone can control the operation of your security system (except programming the control panel). By using the tones generated by your telephone, you can operate your security system in the same way as pressing keys on a control station keypad. Refer to Figure 1-1 for the commands available for each telephone key. Refer to Table 1-1 for greater detail on the commands.

1.2 Activation from House Telephones (Local Mode)

To activate the MPI-800V using your house telephones, pick up a Touch Tone® telephone and press the **#** key three times. The unit activates and speaks **ENTER PASS CODE**. Enter your four-digit pass code (user code) by pressing the corresponding digits on the telephone keypad. If you correctly enter the pass code, the unit responds by speaking the current system status, e.g., **SYSTEM READY**, **SYSTEM NOT READY**, **SYSTEM ARMED**, etc.

Incorrect Pass Code

If you enter an incorrect pass code, the unit speaks **PLEASE RE-ENTER** and allows you to try again. If you enter three incorrect pass codes, the unit speaks **GOODBYE**, hangs up, and activates a tamper output (if programmed). To clear the tamper, enter a valid pass code. The unit then speaks **TAMPER ALARM** to confirm that someone has attempted to enter your system.

Incoming Calls

When you are using the MPI-800V with your house telephones, the unit notifies you of incoming calls by sounding a "ring" tone in your telephone's receiver. To answer the call, press the **#** key four times. The unit speaks **GOODBYE** and connects you with the incoming call.

1.3 Activation from Outside Telephones (Remote Mode)

To allow remote access to your security system, call your home telephone number from a Touch Tone® telephone and let the telephone ring until the MPI-800V answers. (See Appendix A for number of rings before answer.) Upon answering the telephone, the MPI-800V sounds two beeps and speaks **ENTER PASS CODE**. After the unit accepts a valid pass code, it responds with the current system status and awaits additional commands.

Note: *If you have an answering device on your telephone system, see Section 2.1 for remote activation.*

1.4 Deactivation

To terminate a local *or* a remote session, press the **#** key four times. The unit speaks **GOODBYE** and hangs up. If no activity occurs for thirty seconds, the unit automatically goes into time-out and hangs up. This time-out is extended to three minutes if the unit is in Program Mode.

1.5 Checking Status

When you activate the MPI-800V, it announces the status of the system. To check status manually, press ***2**. The unit speaks **SYSTEM READY** if all zones are ready to be armed. If any zones are faulted, the unit announces the numbers of the faulted zones, e.g., **SYSTEM NOT READY, ZONE 1, 2 NOT READY**. If any zones are bypassed, the unit announces those zone numbers, e.g., **ZONE 1, 2 BYPASSED**. The status command informs you of the armed/alarm state by speaking **SYSTEM ARMED** or **SYSTEM IN ALARM**.

The unit announces three trouble conditions: **AC FAILURE** if the AC power is off, **SYSTEM TROUBLE**, and **MEMORY FAILURE**. For system trouble and memory failure, call your alarm company for service.

> **Hint:** When in *local mode*, you can check status quickly without entering a pass code. First, press the **#** key three times. When the unit asks for a pass code, press ***2**.

1.6 Arming

Activate the MPI-800V. (See Section 1.2 or 1.3.) The unit announces the system status, **SYSTEM READY**, **SYSTEM NOT READY**, etc. If your system is ready to be armed, enter the arm/disarm user code for your control panel. *This code may or may not be the same as your MPI-800V's pass code.* The unit sounds two beeps, speaks **SYSTEM ARMED, EXIT NOW... GOODBYE,** and hangs up.

Force Arming

If your system is programmed to allow force arming (See Appendix A.), you can arm while zones are faulted. To force arm, enter the arm/disarm user code for your control panel, wait two seconds, and then enter the code again. The unit speaks **SYSTEM FORCE ARMED, EXIT NOW...GOODBYE** and hangs up.

Bypassing

To manually bypass any faulted zones, press **#** followed by the zone number. (See Appendix A.) Enter the arm/disarm user code for your control panel. When armed with bypassed zones, the unit speaks **SYSTEM PARTIAL ARMED, EXIT NOW ...GOODBYE**.

Stay Mode

To disable (or enable) interior zones (Stay Mode), press ***4**. The unit beeps twice and starts ticking. *Do not press any keys while unit is ticking.* When the ticking stops, the unit speaks **INTERIOR IS OFF**. (See Appendix A for applicable zones.) If you press ***4** again, you reactivate the interior zones, and the unit speaks **INTERIOR IS ON**. Once you have set the interior zones to the desired state, enter the arm/disarm user code for your control panel. If you arm with the interior zones off, the unit sounds two beeps, and speaks **SYSTEM PARTIAL ARMED, EXIT NOW**.

Delay/Instant Mode

To change entry zones from delayed to instant, press ***5**. The unit beeps twice and starts ticking. *Do not press any keys while unit is ticking.* When the

ticking stops, the unit speaks **INSTANT MODE**. Pressing ***5** again causes the unit to restore the entry zones to delay mode and speak **DELAY MODE**. If you armed in the instant mode, the unit speaks **SYSTEM INSTANT ARMED**.

1.7 Disarming

Activate the MPI-800V. (See Section 1.2 or 1.3.) The unit speaks **SYSTEM ARMED.** Enter the arm/disarm user code for your control panel. The unit beeps twice and speaks **SYSTEM DISARMED**. If the system was instant armed, the unit speaks **DELAY MODE** to notify you of the mode change. If an alarm has occurred, the unit speaks **SYSTEM ARMED**, **SYSTEM IN ALARM**. This warning is followed by an announcement of the zones that are in alarm.

1.8 Checking Alarm Memory

The MPI-800V announces any zones in alarm when you disarm. Alarm memory can be checked manually by pressing ***3**. The unit beeps twice and starts ticking. *Do not press any keys while unit is ticking.* When the ticking stops, the unit speaks **NO ALARM MEMORY** if there are no events in the buffer. Otherwise, the unit speaks **ALARM MEMORY IN ZONE 1, 2,** etc.

1.9 Smoke Reset and Battery Test

To force the control panel to reset the smoke detector power, activate the MPI-800V, and press ***7**. The unit beeps twice and starts ticking. *Do not press any keys while unit is ticking.* When the ticking stops, the unit has attempted to reset the smoke detector(s) and test the control panel's battery. See your control panel's user guide for more details.

1.10 Triggering Access Output

The MPI-800V may be used to trigger an access output (door strike, etc.) if the control panel has been programmed with this feature. (See Appendix A.) To trigger the access output, activate the MPI-800V and press ***0**. The unit beeps twice and starts ticking. *Do not press any keys while unit is ticking.* When the ticking stops, the unit speaks **ENTER ACCESS CODE**. Enter a *control panel* user code that is authorized for access. The unit speaks **AC-CESS IS ON** when the access output is on. If the control's access output is

programmed to time-out, the MPI-800V speaks **ACCESS IS OFF** when the
output goes off.

1.11 Reset Command

After an alarm or trouble condition, your control panel requires a reset com-
mand. To send a reset command, activate the MPI-800V and press the **∗** key
twice.

1.12 Activating Panic

To activate the control panel's panic output, pick up the telephone, and press
the **∗** key five times. (The MPI-800V does not have to be active.) The unit
speaks **ACTIVATING PANIC** and triggers the control panel's panic output
(if programmed). If the MPI-800V has an output programmed for panic, it is
also triggered.

Note: If your MPI-800V has been programmed with the quick panic function
disabled (See Appendix A.), you must first activate the MPI-800V, and then
press the * key five times to trigger the panic output. The MPI-800V's panic
output is automatically cleared the next time you enter a valid pass code. The
control panel's panic output is cleared when you enter the arm/disarm code.
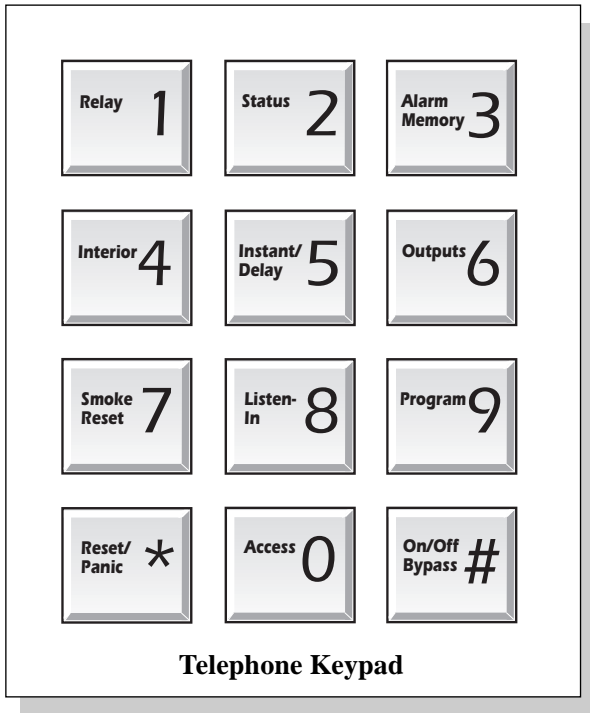
Telephone Keypad

Figure 1-1 Keypad Commands - Integrated Mode

Table 1-1   Commands for Integrated Mode

Telephone Keys	Commands Provided
#	**Activate Local Session** - Press the **#** key three times. **Terminate Local Or Remote Session** - Press the **#** key four times. **Bypass (Zone Shunting)** - Refer to your control panel's user guide. **Global OFF Command for User Outputs** - Press the **#** while in output control mode and the unit turns off all of the user-controlled 12V outputs (general purpose-type).
*	**Reset** - Press the ***** key twice to reset the control panel. Refer to your control panel's user guide. **Enter Command Mode** - Press ***** and the key of the desired command. **Store** - (Program Mode) Stores the last value entered into the current function map location. See Chapter 3. **Panic** - Press the ***** key five times and the unit sends a panic signal to the control panel, while speaking **ACTIVATING PANIC.** Any outputs programmed as Panic are also activated. **Exit Program Mode** - Press the ***** key once to exit Program Mode.
*1	**Relay Control** - Press ***1** and the unit speaks **RELAY IS ON** or **RELAY IS OFF**. If the user relay is programmed as a general purpose type, press **1** to turn the relay on or off. If the relay is *not* a general purpose type, the unit speaks **PLEASE RE-ENTER**. Press the ***** key once to exit this command. Upon exiting, the unit speaks **READY.**
*2	**System Status** - Press ***2** and the unit announces the current system status.
*3	**Alarm Memory** - Press ***3** and the unit beeps twice and starts ticking. When the ticking stops, the unit announces the zones that caused the last alarm, e.g., **ALARM MEMORY IN ZONE 1, 2, 3.** If the control's history buffer is empty, the unit speaks **NO ALARM MEMORY**.
*4	**Interior On/Off** - Press ***4** and the unit toggles interior zones on or off. The unit beeps twice and starts ticking. When the ticking stops, the unit speaks **INTERIOR IS ON/OFF**. Refer to your control panel's user guide.
*5	**Delay On/Off** - Press ***5** and the unit toggles between instant and delay modes. The unit beeps twice and starts ticking. When the ticking stops, the unit speaks **DELAY MODE** or **INSTANT MODE**. Refer to your control panel's user guide.
*6	**Output Control** - Press ***6** and the unit speaks the status of any active general purpose-type outputs, e.g., **OUTPUT 7, 8, 9 ACTIVE**. If no ouputs are active, the unit speaks **NO ACTIVE OUTPUTS**. The unit then speaks **ENTER OUTPUT NUMBER**. Enter 1 through 9 for outputs 1 through 9, and 0 for output 10. If an output is defined as a system-type output, the unit speaks **PLEASE RE-ENTER**. Press the ***** key once to exit this command. If any changes were made to the outputs, the unit announces all of the active outputs again, as described above. The unit then speaks **READY**.

Table 1-1   Commands for Integrated Mode -cont-

Telephone Keys	Commands Provided
*7	**Smoke Reset** - Press ***7** and the unit beeps twice and starts ticking. When the ticking stops, the unit has attempted to reset the smoke detector(s) and test the control panel's battery. Refer to your control panel's user guide.
*8	**Listen-In Trigger** - Press ***8** and the unit beeps twice and speaks **ACTIVATING LISTEN-IN**. The unit then activates any outputs that are defined as listen-in. **Note:** This command is available only to **remote** callers with level 3 authorization. Listen-in requires a 3rd party listen-in device. **Listen-In Deactivate** - Press ***8** and the unit to beeps twice and deactivates the listen-in output (if it is active). This command is available to all users, local or remote.
*9	**Program MPI-800V Module** - See Chapter 3.
*0	**Access** - Press the ***0** and the unit beeps twice and starts ticking. When the ticking stops, the unit speaks **ENTER ACCESS CODE.** Enter a *control panel* user code that is authorized for access. The unit responds with **ACCESS IS ON** when the access output is on, followed by **ACCESS IS OFF** when the output goes off. Refer to your control panel's user guide.

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Stand Alone Mode

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Stand Alone Mode   *1*

1.1 Introduction

In Stand Alone Mode, the MPI-800V is a controller that activates the relay and the ten programmable outputs. Figure 1-1 shows the commands for each telephone key in Stand Alone Mode. Table 1-1 explains these commands in greater detail.

1.2 Activation from House Telephones (Local Mode)

To activate the MPI-800V using your house telephones, pick up a Touch Tone® telephone and press the **#** key three times. The unit activates and speaks **ENTER PASS CODE**. Enter your four-digit pass code (user code) by pressing the corresponding digits on the telephone keypad. If you correctly enter the pass code, the unit speaks **SYSTEM READY**, *if your security company has made the Ready status connection.*

Incorrect Pass Code

If you enter an incorrect pass code, the unit speaks **PLEASE RE-ENTER** and allows you to try again. If you enter three incorrect pass codes, the unit speaks **GOODBYE**, hangs up, and activates a tamper output (if programmed). To clear the tamper, enter a valid pass code. The unit then speaks **TAMPER ALARM** to confirm that someone has attempted to enter your system.

Incoming Calls

When you are using the MPI-800V with your house telephones, the unit notifies you of incoming calls by sounding a "ring" tone in your telephone's receiver. To answer the call, press the **#** key four times. The unit speaks **GOODBYE** and connects you with the incoming call.

1.3 Activation from Outside Telephones (Remote Mode)

To allow remote access, call your home telephone number from a Touch Tone®
telephone and let the telephone ring until the MPI-800V answers. (See Appendix A for number of rings before answer.) The unit sounds two beeps and
speaks **ENTER PASS CODE**. After the unit accepts a valid pass code, it
responds with the current system status and awaits additional commands.

Note: *If you have an answering device on your telephone system, see Section 2.1
for remote activation.*

1.4 Deactivation

To terminate a local *or* a remote session, press the **#** key four times. The unit
speaks **GOODBYE** and hangs up.

If no activity occurs for thirty seconds, the unit automatically goes into time-
out and hangs up. This time-out is extended to three minutes if the unit is in
Program Mode.

1.5 Checking Status

If your security company has provided a Ready status connection for your
unit, the MPI-800V announces the status of the system when activated. To
check status manually, press ***2**. The unit speaks **SYSTEM READY**.
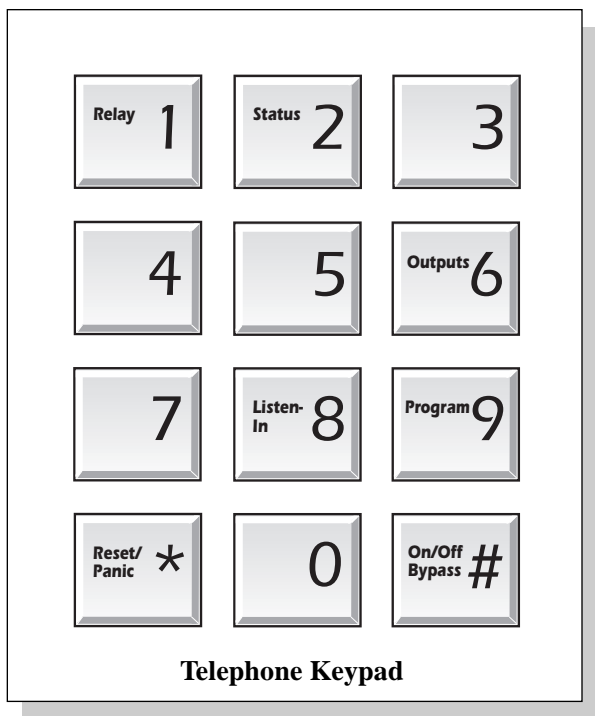
Telephone Keypad

Figure 1-1 Keypad Commands - Stand Alone Mode

Table 1-1   Commands for Stand Alone Mode

Telephone Keys	Commands Provided
#	**Activate Local Session** - Press the **#** key three times. **Terminate Local Or Remote Session** - Press the **#** key four times. **Global OFF Command for User Outputs** - Press **#** key while in output control mode and the unit turns off all of the user-controlled 12V outputs (general purpose-type).
*	**Reset** - Press the ***** key once, and the unit clears the entry and speaks **PLEASE RE-ENTER.** **Enter Command Mode** - Press ***** and the key of the desired command. **Store** - (Program Mode) Stores the last value entered into the current function map location. See Chapter 3. **Panic** - Press the ***** key five times and the unit speaks **ACTIVATING PANIC.** Any outputs programmed as Panic are activated. **Exit Program Mode** - Press the ***** key once to exit the Program Mode.
*1	**Relay Control** - Press ***1** and the unit speaks **RELAY IS ON** or **RELAY IS OFF**. If the user relay is programmed as a general purpose-type, press **1** to turn the relay on or off. If the relay is *not* a general purpose-type, the unit speaks **PLEASE RE-ENTER**. Press the ***** key once to exit this command. Upon exiting, the unit speaks **READY.**
*2	**System Status -** Press ***2** and the unit announces the current system status.
*6	**Output Control** - Press ***6** and the unit announces the status of any active general purpose-type outputs, e.g., **OUTPUT 7, 8, 9 ACTIVE**. If no outputs are active, the unit speaks **NO ACTIVE OUTPUTS**. The unit then speaks **ENTER OUTPUT NUMBER**. Enter 1 through 9 for outputs 1 through 9, and 0 for output 10. If an output is defined as a system-type output, the unit responds with **PLEASE RE-ENTER**. Press the ***** key once to exit this command. If any changes were made to the outputs, the unit announces all of the active outputs again, as described above. The unit then speaks **READY**.
*8	**Listen-In Trigger** - Press ***8** and the unit beeps twice and speaks **ACTIVATING LISTEN-IN.** The unit then activates any outputs that are defined as listen-in. **Note:** This feature is available only to **remote** callers with level 3 authorization. Listen-in requires a 3rd party listen-in device. **Listen-In Deactivate** - Press ***8** and the unit beeps twice and deactivates the listen-in output (if it is active). This deactivate command is available to all users, local or remote.
*9	**Program MPI-800V Module** - See Chapter 3.

Additional Operations   *2*

2.1   Answering Devices

If you are using an answering machine or other answering device on your telephone system, your installer must program the unit's answer mode to detect the proper ring sequence in order to avoid the answering device.

The unit uses two different methods for avoiding answering devices. Ensure that your installer has checked the box below that identifies the mode for your system:

  ☐   Bypass Mode - Use this procedure when calling your unit.

  ☐   Confirm Mode - Use this procedure when calling your unit.

Bypass Mode

To use bypass mode, call your home telephone number and allow the telephone to ring once or twice. Hang up, and wait at least ten seconds. Call your home telephone number again within your allowed Call Back Timer time. (See Appendix A.) The unit will answer on the first ring.

Note: If any device or person answers the first call, the unit does *not* answer the next call.

Answering machines with a toll saver feature may answer after only one ring if you have messages. If your machine has such a feature, play back and erase the messages during your first call to the machine. This should disable the toll saver feature and prevent the machine from answering the first call. If this is not possible, or if other devices are interfering, ask your security company representative to program your MPI-800V for confirm mode.

Confirm Mode

To use confirm mode, call your home telephone number and allow your answering machine to answer the telephone. Wait ten seconds to allow the unit to detect that the telephone was answered, and then hang up. Wait for the amount of time you estimate it takes for your answering machine to complete it's record/rewind process, and then call your number again within your allowed Call Back Timer time. (See Appendix A.) If the unit detects a second call, it answers after the first ring.

Note: If both the unit and the answering machine answer the second call, wait for the amount of time you estimate it takes for your answering machine to complete its record/rewind process. If this is thirty seconds or less, the unit is still on-line to receive your pass code.

2.2   Telephone Line Monitoring

Your security company representative can program the MPI-800V to monitor for a cut line. If the unit detects a cut telephone line, it powers the telephones. If this happens, the unit speaks **LINE SEIZED** every five seconds when you pick up your telephone; however you may still access the unit by pressing **#** three times.

2.3   Quick Arming and Disarming

The key switch toggle code (See Appendix A.) allows quick arming and disarming. Normally, you must enter your pass code twice: once to activate the MPI-800V, and again to arm the control panel. By using the key switch toggle code, one entry activates the key switch relay or output.

> **Example:** You enter your home with your arms full of groceries. By the time you put the groceries down, your entry delay time has nearly expired. To disarm the system quickly, pick up your telephone and press **#** three times, followed by your key switch toggle code. The MPI-800V activates the key switch and disarms the system. Also, you may use this code to arm the system quickly (if all of your zones are secure).

Note: The key switch toggle code function works only in local sessions. On remote calls, this code behaves as a normal pass code.

Programming 3

3.1 Introduction

The MPI-800V has many options and codes. To change these options and codes, you must access Program Mode. Table 3-1 lists the function map locations for the codes and authorizations. Full programming instructions and function descriptions are beyond the scope of this user guide. Please contact your security company representative for any system programming beyond Function 14.

WARNING
Do not attempt to program the system unless you have been properly trained in programming procedures.

3.2 Entering Program Mode

To enter Program Mode, press the **#** key three times. Instead of entering your user pass code when prompted, press ***9**. The unit speaks **ENTER PROGRAM CODE**. After you enter the program code, the unit beeps twice and speaks **PROGRAM MODE, ENTER FUNCTION NUMBER**.

3.3 Exiting Program Mode

To exit Program Mode, press the ***** key once. The MPI-800V speaks the system status, e.g., **SYSTEM READY.** Press the **#** key four times. The unit speaks **GOODBYE** and hangs up. If left in Program Mode for over three minutes with no activity, the unit speaks **GOODBYE** and hangs up. All programming changes that were made are saved (up to the last store command).

Note: If you make changes to the location that you are in, press the * key two times to exit. The first * stores your location change, and the second * exits Program Mode.

3.4   Changing or Adding Pass Codes

To change pass codes 1-5, enter the function number for the pass code you wish to change (See Table 3-1.), and press the # key once. The unit announces the function number and the current value. If the pass code was not programmed (or was deleted), the unit announces that the code is not in service, e.g., **FUNCTION 05 IS NOT IN SERVICE.** To change the pass code, enter the new *four* digits (must be four digits) followed by the ***** key. The MPI-800V announces the new pass code.

> **Example:** To Change Pass Code 1 From 1234 to 1478

1.   Access the unit by pressing the # key three times. Instead of entering your pass code when prompted, press ***9**. The unit speaks **ENTER PROGRAM CODE.**

2.   Enter your program code. (See Appendix A.) The unit beeps twice and speaks **PROGRAM MODE, ENTER FUNCTION NUMBER.**

3.   Press **03** followed by the # key. The unit speaks the current pass code, e.g., **FUNCTION 03 IS 1234.**

4.   Enter the new four-digit pass code (1478) followed by the ***** key. The MPI-800V speaks the new pass code, e.g., **FUNCTION 03 IS 1478.** If you enter fewer than four digits, the unit speaks **PLEASE RE-ENTER.**

5.   To exit Program Mode, press the ***** key. The MPI-800V speaks the system status, e.g., **SYSTEM READY.**

6.   Press the # key four times. The unit speaks **GOODBYE** and hangs up.

Note: Set the authorization to the desired level for each pass code.

3.5   Changing or Adding Authorization Levels

Authorization levels give pass codes the ability to perform specific commands. Following are the valid user authorization levels:

> 0 = status
> 1 = status + outputs
> 2 = status + outputs + arm/disarm
> 3 = status + outputs + arm/disarm + listen-in

To change authorization levels for pass codes 1-5, press the function number of the user you wish to change (See Table 3-1.), and then press the ***** key once. The unit speaks the function number and the current value, e.g., **FUNCTION 04 IS 3.** To change the authorization levels, enter the new value followed by the ***** key. The MPI-800V speaks the new value, e.g., **FUNCTION 04 IS 2.**

> **Example:** To Change User 1 Authorization Level From 3 to 2

1. Access the unit by pressing the **#** key three times. Instead of entering your pass code when prompted, press ***9**. The unit speaks **ENTER PROGRAM CODE.**

2. Enter your program code. (See Appendix A.) The unit beeps twice and speaks **PROGRAM MODE, ENTER FUNCTION NUMBER.**

3. Press **04** followed by the **#** key. The unit speaks the current authorization level, e.g., **FUNCTION 04 IS 3.**

4. Press **2** followed by the ***** key. The unit speaks the new authorization level, e.g., **FUNCTION 04 IS 2.**

5. To exit Program Mode, press the ***** key. The MPI-800V speaks the system status, e.g., **SYSTEM READY.**

6. Press the **#** key four times. The unit speaks **GOODBYE** and hangs up.

3.6   Deleting Pass Codes

WARNING
Use caution when deleting codes! You may accidentally lock yourself out of Program Mode if you delete the program code! If this occurs, call your security company representative to reprogram your unit on-site.

To delete pass codes 1-5, enter the function number for the pass code you wish to delete (See Table 3-1.), and press the **#** key once. The unit announces the function number and the current value. To delete a pass code, press **0** followed by the ***** key. The unit speaks the deleted code, e.g., **FUNCTION 03 IS NOT IN SERVICE.** If the pass code was not programmed (or was deleted), the unit announces that the code is not in service, e.g., **FUNCTION 03 IS NOT IN SERVICE.**

Example: To Delete Pass Code 1

1. Access the unit by pressing the **#** key three times. Instead of entering your pass code when prompted, press ***9**. The unit speaks **ENTER PROGRAM CODE.**

2. Enter your program code. (See Appendix A.) The unit beeps twice and speaks **PROGRAM MODE, ENTER FUNCTION NUMBER.**

3. Press **03** followed by the **#** key. The unit speaks the current authorization level, e.g., **FUNCTION 03 IS 1234.**

4. Press **0** followed by the ***** key. The MPI-800V speaks **FUNCTION 03 IS NOT IN SERVICE.**

5. To exit Program Mode, press the ***** key. The MPI-800V speaks the system status, e.g., **SYSTEM READY.**

6. Press the **#** key four times. The unit speaks **GOODBYE** and hangs up.

Table 3-1   Codes and Authorizations

Funct. #	Function	Valid Range
001	Program Code	4 digits (0000-9999)
002	Program Code Authorization Level 0 = local programming only 1 = local & remote programming	(0-1)
003	Pass Code 1	4 digits (0000-9999)
004	User 1 Authorization Level 0 = status only 1 = status + outputs 2 = status + outputs + arm/disarm 3 = status + outputs + arm/disarm + listen-in	(0-3)
005	Pass Code 2	4 digits (0000-9999)
006	User 2 Authorization Level	(0-3)
007	Pass Code 3	4 digits (0000-9999)
008	User 3 Authorization Level	(0-3)
009	Pass Code 4	4 digits (0000-9999)
010	User 4 Authorization Level	(0-3)
011	Key Switch Toggle Code (User 5)	4 digits (0000-9999)
012	Key Switch Toggle Code Authorization Level	(0-3)
013	Listen-in Code	4 digits (0000-9999)
014	Listen-in Authorization Level (Status is available with any authority) 0 = listen-in only 1 = listen + outputs 2 = listen + outputs + arm/disarm	(0-2)

WARNING
If you change addresses beyond Function 014, you will alter the system's functionality.

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Appendix A

Codes and Authorizations   **Values**

Program Code   _____

Program Code Authorization Level   _____

Pass Code 1   _____

User 1 Authorization Level   _____

Pass Code 2   _____

User 2 Authorization Level   _____

Pass Code 3   _____

User 3 Authorization Level   _____

Pass Code 4   _____

User 4 Authorization Level   _____

Key Switch Toggle Code (User 5)   _____

Key Switch Toggle Code Authorization Level   _____

Listen-in Code   _____

Listen-in Authorization Level   _____

Programmed Options - MPI-800V

Number of Rings Before Answer

_____

Call Back Timer

_____   Minutes

Quick Panic

_____   Enabled

_____   Disabled

Programmed Options - Control Panel

Force Arming

_____ Enabled

_____ Disabled

Access Output Programmed

_____ Yes

_____ No

Programmed Options - Zones

Zone	Bypassable		Interior (Stay Mode)	
	Yes	No	Yes	No
1				
2				
3				
4				
5				
6				
7				
8				

Relay/Output Definitions

☐ Your unit is equipped with a programmable relay that may be a General Purpose (G.P.) or System type relay. The General Purpose relay is controlled by Command 1.

Your unit's relay is connected to: _____
☐ G.P. type   ☐ System type   Programmed as: _____

☐ Your unit is equipped with 10 programmable outputs. The General Purpose (G.P.) type outputs are controlled Command 6.

Output 1 is connected to: _____
☐ G.P. type   ☐ System type   Programmed as: _____
Output 2 is connected to: _____
☐ G.P. type   ☐ System type   Programmed as: _____
Output 3 is connected to: _____
☐ G.P. type   ☐ System type   Programmed as: _____
Output 4 is connected to: _____
☐ G.P. type   ☐ System type   Programmed as: _____
Output 5 is connected to: _____
☐ G.P. type   ☐ System type   Programmed as: _____
Output 6 is connected to: _____
☐ G.P. type   ☐ System type   Programmed as: _____
Output 7 is connected to: _____
☐ G.P. type   ☐ System type   Programmed as: _____
Output 8 is connected to: _____
☐ G.P. type   ☐ System type   Programmed as: _____
Output 9 is connected to: _____
☐ G.P. type   ☐ System type   Programmed as: _____
Output 10 is connected to: _____
☐ G.P. type   ☐ System type   Programmed as: _____

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Glossary

Arm/Disarm Pass Code - Code programmed to allow the user to set (arm) or turn off (disarm) the system.

Armed - System is set to detect violation of protected zones.

Bypass Mode - MPI-800V is programmed to answer only second calls in order to bypass answering devices.

Confirm Mode - MPI-800V is programmed to answer a second call only after another device has answered the first call.

DTMF - (Dual Tone Multi-Frequency) The sound a Touch Tone® telephone generates when the digits are pressed.

Disarmed - System is not set to detect violation of protected zones.

Earth Ground - A ground rod or other grounding device.

Faulted Zone - A zone that has been violated.

Function Number - Options and codes as stored by number in the system's memory bank.

House Telephones - Premise's telephones.

Integrated Mode - Use of MPI-800V with the Z950, Z880, and D1000 security system controls.

Key Switch Toggle Code - Allows quick arming and disarming.

Line-cut - The MPI-800V senses a missing phone line.

Listen-in Trigger - Feature that triggers a listening or two-way voice device, if installed.

Local Session - Activating the MPI-800V via house telephones.

MPI-800V - Telephone voice interface unit.

Off Hook Condition - One or more of the house telephones is off hook.

Panic Output - Activated when * key is pressed five times.

Ring Detect - The MPI-800V detects an incoming call.

Pass Code - Code used to activate MPI-800V.

Programmable Output - Outputs that can be custom programmed for a variety of uses (e.g. tamper, line-cut, panic, key switch).

Program Mode - Mode enabling changes to be made to options and codes stored in the MPI-800V memory.

Remote Telephones - Any off-premises Touch Tone® telephone used to activate the MPI-800V.

Remote Session - Activating the MPI-800V via outside telephones.

Stand Alone Mode - The MPI-800V is used to control the relay and outputs.

Tamper Alarm - Signals the user that an unauthorized caller has attempted to access the system.

Universal Mode - Use of MPI-800V with any security system control.

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