GC2 Panel
User Guide

Wireless Security System
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SYSTEM OVERVIEW

This system provides three (3) forms of protection: burglary, fire, and emergency, depending on the options set by your installer. The system consists of the Control Panel with a color touch screen, wireless sensors that provide perimeter and interior burglary protection, and wireless smoke and carbon monoxide detectors. In addition, optional remote control keyfobs, wireless panic buttons and keypads may have been provided or installed.

The system monitors all protection “zones” and the system’s status. The Control Panel displays monitoring information and controls the alarm siren. Your system may also have been setup to send alarm and status reports to a Central Station and may have the capability for 2-way voice communications with the alarm monitoring operator.

FEATURES
Following is a list of standard features and options that can be included in your system. Ask your installer which options are available to you and check the boxes that apply.

- **Stay and Away** arming modes: Stay mode arms the system perimeter only and is used typically at night when the premises are occupied. Away mode arms the system perimeter and interior; it is used when the premises are unoccupied.
- 60 user-unique 4-digit codes to operate the system: The system supports one (1) master user code that can assign and maintain the other user codes.
- One of the 60 user codes functions as a duress code. Controlling the system with this code gives the appearance of normal operation, but using it sends a silent duress report to the Central Station to initiate a silent alarm call for help.
- Voice announcements from the Control Panel: The system has a vocabulary of descriptive words that can be assigned to sensors so each has a unique announcement such as “front door” or “bedroom window” if desired.
- Home automation with the built-in Z-Wave controller for remote control of Z-Wave enabled home appliances (optional feature).
- Alarm history with system event log: Each alarm and system alert is logged into the system’s memory. These events can be displayed and reviewed at the Control Panel or remotely by the Central Station.
- Real time clock and calendar shows on the system’s display and is used to time stamp items in the event log.
- 2-way voice communication: After an alarm, the system can automatically connect with a Central Station operator so they can converse with people in the premises.
- Remote control of the system over the telephone.¹
- Remote control of the system using a Web-enabled device through the Internet.²
- Three optional 24-hour emergency functions: Panic, Fire, and Emergency. These functions can be activated by buttons on the Control Panel, using wireless sensors, from the wireless keypad, or from portable pendant devices (such as the panic button remote).

¹ Requires the optional POTS module, which is only available in the United States and Canada.
² Requires the optional Cellular Radio Module.
BASIC OPERATION
Following are general operational concepts that your system supports. Understanding these concepts will help you to use your security system to its fullest extent.

Sensor Types/Zones
The system’s wireless sensors have been assigned to selected “types” (often called “zones”). The sensor type determines how and when the system will react to a signal from the sensor. Some sensors are armed 24 hours a day, other sensors are only armed when the system is armed.

Smoke, Heat, and Freeze Protection
If wireless smoke, heat, and freeze detectors have been installed in your system, they are armed 24 hours a day. They will sound an alarm when smoke is detected and can report the fire alarm to the Central Station. See “Smoke, Heat and Freeze Protection” on page 21 for emergency planning and evacuation information.

Burglary Protection
Burglary protection is provided by perimeter and interior sensors. When the system is armed in the Away mode, both perimeter and interior sensors are armed and can trigger an alarm. When the system is armed in the Stay mode, only the perimeter sensors are armed and can trigger an alarm.

Both arming modes offer an Exit Delay that allows time to exit the premises without triggering the alarm. Upon re-entry, an Entry Delay is enabled that allows you time to disarm the system.

You can set sensors to sound a chime and/or a voice announcement when they are triggered. This lets you monitor your doors and windows while the system is disarmed. For more details, see “Burglary Protection” on page 9.

User Codes
The system installer has already programmed a master user code for your system. This code can be used to control the system as well as assign and change the other user codes. The master user code can also access several system setup settings in the User Toolbox.

Alarms
When an alarm occurs, the Control Panel’s siren and an external siren (if installed) sound for a preset time. During alarms and after disarming, the alarm history button displays all the alarms that have occurred, and which sensors were involved. The alarm history clears the next time the system is armed or can be cleared manually.

Messages
Your security system supports receiving messages from the Central Station. The messages can be about system upgrades, additional services, special regional weather alerts, etc.

Trouble Alerts
The system monitors itself for abnormal operating conditions and will alert you if trouble is detected. Trouble conditions can be reported to the Central Station.

Wireless Sensors
Your security system comes with wireless sensors. Some sensors are visible, others may be hidden by door jambs or where the sensor is mounted. Depending on your type of installation and how many sensors are installed with the Control Panel, sensors can include but are not limited to the following:

- Door/Window Sensor
- Glass Break Sensor
- CO Sensor
- Key Fob
- Motion Detector
- Smoke/Heat/Freeze Alarm
- Panic Remote Button
- Wireless Touch Screen Keypad

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### CONTROL PANEL FEATURES
See the table below for full descriptions of Control Panel Features.

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>A Alarm Sounder and Speaker</strong></td>
<td>Sounds all system local alarms, voice prompts, system sounds, and audio for 2-way voice communications with the Central Station.</td>
</tr>
<tr>
<td><strong>B Color Display with Touch Screen</strong></td>
<td>Shows all system information, status, programming, and functions as the keypad. Tap to switch between the clock, calendar, and weather display.</td>
</tr>
<tr>
<td><strong>C Microphone</strong></td>
<td>For voice communication with the Central Station.</td>
</tr>
<tr>
<td><strong>D Emergency Button/Indicator</strong></td>
<td>Lights <strong>WHITE</strong> when enabled for emergency alarms. Flashes <strong>WHITE</strong> during emergency alarms.</td>
</tr>
</tbody>
</table>
| **E Home Button/Indicator**      | **Sensor Status**
  Lights **GREEN** when all sensors are closed (ready to arm).
  Not lit when any sensor is open (not ready to arm).
  **Arming Status**
  Lights **RED** when system is armed.
  Flashes **RED** during the Entry Delay.
  **Alarm Memory**
  Flashes **RED** during an alarm.
  Flashes **RED** after an alarm while system is still armed.
  **Power Outage**
  Flashes **WHITE** during power outage (system on battery backup).
  Flashes **GREEN** when all sensors are closed (ready to arm).
  Flashes **ORANGE** when any sensor is open (not ready to arm).
  Flashes **RED** while system is armed.                                                                                       |
MAIN DISPLAY SCREENS
Use the touch screen to control and operate the Control Panel. The touch screen includes a variety of buttons, indicators, and text for navigation and system operation.
At the top-left of the Home screen, you can view the current system state. Scrolling text shows any pending alerts. The right side of the screen reveals a variety of system status icons.

Home Screen
The Home screen shows system status with icons to indicate system conditions. It also displays the time and date. The Home screen has Security, Services, Silent Control and Display Off buttons.

TIP: Tap the Services button to access features for controlling Z-Wave devices. If Z-Wave features are not programmed, this button will not appear.

- Tap the Home button on the panel to reveal the Home screen.

Security Screen
Use the Security screen to access the Arm, Menu, and Status screens. This screen also shows the current time and date. If messages, alarms, or trouble alerts are pending, square buttons indicate the number of pending alarms or messages.

Ready to Arm Screen
Use the Ready to Arm screen to arm the security system in Stay and Away mode. You also have the option to select the Entry Delay and Silent Exit check boxes to turn those features ON.

Menu Screen
Use the Menu screen to gain access to the Ready to Arm, Emergency, or Toolbox screen.

Status Screen
Use the controls in the Status screen to view the system’s current status and to review a scrolling list of alerts in a log format. The date, time and nature of any alerts are listed in the displayed log.

- Tap the Silence button to stop the system status voice announcement.
- Tap the ↑ or ↓ arrows to scroll through the list status messages.
When your system was set up by your installer, wireless sensors were placed to monitor specific doors and windows. The installer selected these doors and windows as likely places where an unlawful intrusion might occur and could be detected. Each sensor was programmed to have the system react in a specific way. See “Installer Programmed Options” on page 40 for specifics about each sensor.

Some sensor types (such as smoke detectors, carbon monoxide detectors, panic buttons, etc.) are always active and can trigger an alarm at any time. Other sensors on protected doors and windows are part of the burglary protection part of the system, and can be turned on or off. Turning on the burglary protection part of the security system is called “Arming the System.” The burglary protection part of the system can be armed in two modes: Stay mode or Away mode.

**SAMPLE FLOOR PLAN**

Refer to the floor plan below. It shows a typical residential installation and the various types of wireless sensors and their functions.

<table>
<thead>
<tr>
<th>A</th>
<th>Front and side door sensors have Exit/Entry delay</th>
</tr>
</thead>
<tbody>
<tr>
<td>B</td>
<td>Side and main garage door sensors have Exit/Entry delay</td>
</tr>
<tr>
<td>CP</td>
<td>Control panel</td>
</tr>
<tr>
<td>DW</td>
<td>Door/window sensor</td>
</tr>
<tr>
<td>PIR</td>
<td>Motion detector</td>
</tr>
<tr>
<td>SMKE</td>
<td>Smoke detector</td>
</tr>
<tr>
<td>CO</td>
<td>Carbon monoxide detector</td>
</tr>
<tr>
<td>GB</td>
<td>Glass break sensor</td>
</tr>
<tr>
<td>PAD</td>
<td>Wireless keypad</td>
</tr>
<tr>
<td>ES</td>
<td>External siren</td>
</tr>
</tbody>
</table>

**IMPORTANT:** Security systems installed in a commercial location are for use only as a burglar alarm system and not for fire protection. This security system has been evaluated and complies with UL 1610. For commercial installations (UL 1610), only one method of communication is to be used. This method of communication is a Cell Radio Module.
SENSOR STATUS
The security system constantly monitors all of the sensors attached to the protected doors and windows in your home or business. The Control Panel knows if each door or window with sensors is open or closed. The open or closed condition of the protected doors and windows is called the sensor status.

For maximum security, all the doors and windows on your premises should be closed when you leave the building. In some cases, such as when using the security system when you stay at home, you may want to leave some doors or windows open. The system recognizes bypasses to resolve the open doors or windows. See "Bypassing/Un-Bypassing Sensors" on page 12.

**NOTE:** Before you can arm the system, you must close or bypass all doors and windows with sensors.

CHECKING FOR CLOSED SENSORS
In most cases, you will be arming the security system with all of the sensor-protected doors and windows closed. The Control Panel provides easy ways to verify that all the sensor-protected doors and windows are closed before arming the system:

- The [Home](#) button lights green when all perimeter sensors are closed. The [Home](#) button is not lit if any perimeter sensor is open. **Open interior sensors do not change this indication.**

- The Security button on the display’s Home screen lights green when all perimeter sensors are closed. The Security button lights orange if any perimeter sensor is open. **Open interior sensors do not change this indication.**

- The Arm button on the display’s Security screen and Menu screen lights green when all perimeter sensors are closed. If any interior sensors are open (or when any motion detector is triggered), a house icon displays on the status bar. The Arm button lights orange if any perimeter sensor is open.
VIEWING EACH SENSOR’S STATUS
The Control Panel will also show you which sensor-protected doors and windows are open. Your installer has programmed descriptive names for each sensor-protected door and window. The Control Panel’s color display will show the names of which doors and windows are open.

The top of the display on the Home, Security, and Menu screens shows sensor status. See “Status Icons” on page 26.

Tapping the Status button also displays a list of open sensors and general system status and alerts.

DEALING WITH A SENSOR FALSE ALARM
When armed, the Control Panel reports alarm conditions on all sensors, both visually (on the status bar, and through a system alert icon) and audibly (through voice and chime announcements). There are times, though rare, that a sensor will send an alarm condition to the Control Panel when no alarm exists. Times of a false alarm vary depending on the type of sensor and how that sensor communicates with the Control Panel.
• Perform a System, Sensor, and Panel Test to find any false alarm conditions. See System Test on page 34. See “Sensor Test” on page 34. See System Test on page 34.

SENSOR BYPASSING
Before the system can be armed, all protected doors and windows must be closed or bypassed. You can bypass open sensors on protected doors or windows before arming the system. When a sensor is bypassed, the system ignores that the door or window is open. Two types of sensor bypasses are:
- Forced
- Manual

Sensor cases (such as when using the security system for protection when staying at home) it may be desirable to leave some sensor-protected doors or windows open. Temporarily bypassing a sensor for this use is called **Force Bypassing**.

**NOTE:** Force bypasses are automatically removed when the system is disarmed.

Force Bypass All Sensors

If any sensors are open when the system is disarmed, the **Arm** button on the panel turns **YELLOW**. When you tap the **Arm** button, the system automatically reveals the **Bypass** screen which lets you arm the system while forcing it to bypass all open sensors.

To force bypass all open sensors:
1. Ensure a sensor is open, such as a door or window.
2. At the **Security** or **Menu** screen, tap the **YELLOW Arm** button.
3. At the **Bypass** screen, tap **Bypass All**. This tells the system to bypass all of the open sensors in the list, including any open interior sensors.
4. At the **Enter Code** screen, enter a valid *user code* to bypass the sensor.

**NOTE:** The Quick Bypass feature can also be configured by the installer. For details, refer to the Control Panel’s *Installation & Programming Guide*.

5. At the **Ready to Arm (Sensors Bypassed)** screen, tap **Stay** or **Away**.

Later, when you disarm the system, the bypassed sensors are returned to their normal state.

Bypassing/Un-Bypassing Sensors

To add or remove sensors on the system’s bypass list:
1. At the **Home** screen, tap **Menu**.
2. At the **Menu** screen, tap **Toolbox**.
3. Enter a valid *user code* to gain access to the Toolbox.
4. At the **Toolbox (1 of 3)** screen, tap **Bypassed Sensors**.
5 At the Bypassed Sensors screen, choose one of these options:
   • Add a sensor to the bypassed list. Tap the BLUE button that corresponds to the desired sensor. When the button turns YELLOW, the system will bypass the sensor.
   • Move a sensor from the bypassed list. Tap the YELLOW button that corresponds to the desired sensor. The button turns BLUE when it is no longer on the bypassed list.

   To arm the system using anyEntr Delay:
   1 At the Security or Menu screen, tap the Arm button.
   2 At the Ready to Arm screen, place a checkmark in the Entry Delay box. This is the default setting.

   NOTE: If you clear the checkmark from the Entry Delay box, an alarm will be triggered when the sensor is opened while the system is armed in Stay mode.

   3 Tap Stay to arm the system

6 When finished, tap Back.

STAY MODE
Use Stay mode to partially arm the system when individuals will be occupying the premises. This arms only the sensor-protected perimeter doors and windows. It leaves interior motion sensors or other interior doors unarmed. In a home setting, Stay mode is typically used during the evening hours when occupants are long expected to leave or enter the premises. This allows occupants to move about the premises without triggering the burglary alarm. Because all the interior burglary protection is OFF, an alarm would only be triggered when a sensor-protected perimeter door or window is opened.

Entry Delay in Stay Mode
Certain sensors, such as a door, can be configured by your installer to use a delay timer before triggering an alarm. This provides a way for an authorized person returning to enter using a predetermined door and disarm the system before an alarm is triggered.

NOTE: When re-entering the premises, the user must enter through the door(s) programmed to use the Entry Delay timer. This gives the user a specified amount of time to disarm the system. If the system is not disarmed in time, an alarm is triggered.

Quick Exit in Stay Mode
A programmable option, called Quick Exit may be displayed on the Security screen while the system is armed in Stay mode. Tap the Quick Exit button to start a timer to allow someone to exit or enter through a sensor-protected door programmed for delay without having to disarm the entire system. When the delay timer runs out, the system returns to the normal Stay mode.

The Quick Exit option can be turned ON or OFF by your installer, see "Installer Programmed Options" on page 40 to
understand the options that have been programmed for your system.

SILENT CONTROL IN STAY MODE
Three options for silencing the beeps and announcements are available when arming or disarming the system in Stay Mode.

- At the **Home** or **Security** screen, tap the 🔊 **Silent Control** button.
- At the **Ready to Arm** screen, check the **Silent Exit** box.
- On the **Exit Delay** screen, tap **Silence**.

Selecting any of these options silences the Control Panel beeps and announcements, and when arming, selecting the option doubles the length of the Exit Delay.

Arming to Stay Mode
Use Stay Mode to arm the system when anyone is at home. Stay Mode normally has an Entry Delay so a user with a **user code** can re-enter without causing an alarm.

1. Close all protected perimeter doors and windows before arming.
2. Verify that the ☑️ button on the Control Panel is **GREEN** indicating that the system is ready to arm. The **Security** and **Arm** buttons on the display are **GREEN** when all sensors are closed.

**NOTE:** If you want to arm the system quietly without sounding any announcements, tap 🔊 before performing these steps:
- At the **Ready to Arm** screen, check the **Silent Exit** box.
- Or
  - During exit delay tap **Silence**.
3. At the **Security** or **Menu** screen, tap **Arm**.

**NOTE:** If an perimeter door or window sensors are open, the **Bypass** screen appears. Close all the sensors displayed or tap **Bypass All** to force bypass the displayed sensors.

**NOTE:** Sensors do not trigger an alarm. (To bypass sensors, enter a **user code** unless the installer has set the system for Quick Bypass).

4. On the **Ready to Arm** screen, check the **Entry Delay** box when arming the system in Stay mode.

If no one is expected to re-enter, the system can be armed without an Entry Delay. All perimeter doors will trigger the alarm instantly. To arm with instant alarms for all exit/entry perimeter doors, clear the checkmark from the **Entry Delay** box.

5. Tap **Stay** to arm the system.

**NOTE:** To arm the system, you may need to enter a **user code** if your installer has turned off the system's Quick Arming feature.

6. The system will arm and shows the Exit Delay counting down. When the Exit Delay expires, the system is fully armed in the Stay mode.
AWAY MODE
Away mode is for arming the system when everyone is leaving the premises. Away mode arms all sensor-protected perimeter doors and windows, interior motion sensors, interior glass break sensors, and any other sensor-protected interior doors. The premises must be unoccupied while the system is armed. Away mode is typically used for arming the system during the daytime hours in a residential location, and non-business hours in a commercial location.

When the system is armed in Away mode, you cannot move about the premises without triggering the burglary alarm (if the system is installed with interior motion detectors). An alarm also occurs if any sensor-protected door or window is opened or glass breakage is detected (if glass breakage detectors are installed in your system).

Exit and Entry Delays in Away mode
Certain sensors, such as a door, can be setup by your installer to have a delay before triggering an alarm. This provides a way for an authorized person to exit and re-enter the premises without triggering an alarm.

- **Exit Delay** allows time to leave after arming the system.
- **Entry Delay** allows time to enter and disarm the system before an alarm is triggered.

When arming the system in Away mode, an **Entry Delay** check box is shown on the Arming screen. By default, this option is checked, so the programmed delay doors allow time for disarming the system after the door is opened. If you clear the **Entry Delay** box, the delayed alarm trigger is removed from all sensor-protected doors programmed for delay. Those entrances **instantly** trigger an alarm if they are opened in Away mode.

**NOTE:** With the Entry Delay disabled, you must remotely disarm the system with a wireless key fob before entering.

Exit Delay Restart
The Exit Delay Restart option extends the Exit Delay **once** if you need to re-enter the premises. With the Exit Delay Restart option, when you re-enter the premises **after** you have left, but **before** the Exit Delay timer expires, the Exit Delay timer restarts, giving you the full length of time to leave again.

**TIP:** The Exit Delay Restart option only works once, each time the system is armed.

Silent Control in Away Mode
Three options for silencing the beeps and announcements are available when arming or disarming the system in Away mode.

- On the Control Panel’s **Home** and **Security** screens, a **Silent Control** button is displayed.
- On the Arming screen, a **Silent Exit** check box is displayed.
- On the Exit Delay screen, a **Silence** button is displayed.

Selecting any of these options silences the Control Panel beeps and announcements, and when arming; selecting **Silent Control** doubles the length of the Exit Delay.
Quick Exit in Away Mode
A programmable option called Quick Exit may be displayed on the Security screen while the system is armed in the Away mode. Tapping the Quick Exit button starts a timer to allow someone to exit or enter through a sensor-protected door programmed for delay without having to disarm the system. When the delay timer runs out, the system returns to the normal Away mode.

TIP: If interior sensors are installed in the system in certain areas, do not violate those sensors when using the Quick Exit feature in Away mode.

Auto Stay Mode
The system may have been programmed by the installer for Auto Stay mode. If this option is on and the system is armed in Away mode, if an exit/entry delay sensor is not triggered before the Exit Delay expires (no one leaves the premises), the system automatically arms in Stay mode instead of Away mode.

NOTE: Quick Exit options can be turned on or off by your installer. Refer to “Options” on page 40 to see which options have been set for your system.

Arming to Away Mode
Use the Away mode to arm the system when everyone will be leaving the home. The Away mode normally has an Entry Delay so someone with a user code can re-enter without causing an alarm. Interior and perimeter sensors are armed in the Away mode.

1. Close all sensor-protected doors and windows before arming.
2. Verify that the button on the Control Panel is light green, indicating that the system is ready to arm. The Security button and Arm button on the display will also be green when all perimeter sensors are closed. If the icon is displayed on the status bar, an interior sensor is open; be sure to close or manually bypass the interior sensors or an alarm will occur.
3. To arm the system quietly without sounding any announcements, tap the button before performing the next steps:
   - At the Arming screen check the Silent Exit box
   - Or
   - During the Exit Delay, tap Silence
4. At the Security screen, or the Menu screen, tap Arm.

NOTE: If an perimeter door or window sensors are open, the Bypass screen appears. Close all the sensors displayed or tap Bypass All to force bypass the displayed sensors.

NOTE: sensors do not trigger an alarm.

TIP: sensors, enter a user code unless the installer has set the system for Quick Bypass.
5. On the Arming screen, the Entry Delay check box option can be used with Away mode.

The system can be armed without an Entry Delay. All perimeter doors trigger the alarm instantly. The system has to be disarmed with a wireless key fob. To arm with all exit/entry perimeter doors as instant, clear the Entry Delay check box.
6 Tap **Away**.
To disarm the system, enter a **user code** if your installer has turned off the system’s Quick Arming feature.

7 The system arms and shows the Exit Delay counting down. When the Exit Delay expires, the system is fully armed in the Away mode.

**NOTE:** When the system is armed in the Away mode, beeps sound during the Exit Delay (beeps become faster during the last 10 seconds).

**DISARMING THE SYSTEM**
To stop the Control Panel from triggering burglary alarms, the system needs to be disarmed. Disarming turns off the burglary detection part of the system for sensors that are not 24-hour sensors. Disarming also stops any type of alarm in process.

Disarm the system from Stay mode before exiting the premises. The system should be disarmed from Away mode before or while entering the premises. When disarming from the Control Panel or wireless keypad, enter a valid **user code**. A wireless key fob can also be used to disarm the system. Entering a **user code** is not required when disarming with a wireless key fob.

An important feature of the Control Panel is its ability to warn you if an alarm has occurred while you were away. If an alarm was triggered while the system was armed, the alarmsiren runs for a preset length of time then stops. When you **enter** to disarm the system, instead of sounding the normal Entry Delay beeps, the Control Panel sounds repeated fast beeps to warn you that an alarm has occurred while you were away.

When you **enter** your home to disarm the system, if you hear fast repeated beeps instead of the normal entry delay beeps, Use Extreme Caution! An intruder may still be present inside the building! Wait outside and use a Cell Phone to call law enforcement for assistance.

**Disarming from Stay Mode**
Disarm the system from Stay mode before exiting the premises.

1. At the **Home** screen, tap **S** for Silent Control.

2. At the **Security** screen or the **Menu** screen, tap **Disarm**. This action displays the **Disarm Code** screen.

3. The left side of the screen shows any events that have occurred while the system was armed.

4. Enter a valid user code to disarm the system.
   - In case you tap the wrong key, the **button erases the entire entry.**
   - Tap **X** if you decide to not disarm at this time.
Disarming from Away Mode
The system should be disarmed from Away mode while entering the premises.

1. Enter the premises through a designated Entry Delay sensor-protected door.

2. The **Disarm Code** screen displays on the Control Panel and the Entry Delay beeps sound. The left side of the screen shows events that have occurred while the system was armed.

3. Enter a valid user code to disarm the system.

   - In case you tap the wrong key, the button erases the entire entry.

**IF A BURGLARY ALARM OCCURS**
If an armed sensor is tripped while the system is armed in the Stay or Away mode, an alarm occurs and the siren sounds. Delayed sensors start the Entry Delay to allow time to disarm the system. Instant sensors trigger the alarm right away. Most sensors trigger the alarm siren, some sensors may be set to trigger a silent alarm without sounding the siren.

**Burglary Alarm Siren**
If a burglary alarm is tripped while the system is armed, the Control Panel sounds the alarm siren for a preset time (see “Installer Programmed Options” on page 40). After the time expires, the siren will stop sounding.

The system limits the number of times a sensor can re-trigger an alarm while the system is armed. The setting is one to six times per sensor, per arming period (see “Installer Programmed Options” on page 40).

**Alarm Memory**
If an alarm has occurred while the system was armed, the **Disarm** screen shows the time and date of the alarm and the sensor(s) that triggered the alarm.

After the system is disarmed, the **Alarm Memory** screen appears. The **Alarm Memory** screen shows the sensor(s) that caused the alarm. If more than one sensor was triggered, the display shows the order in which the alarms occurred.

The alarm memory automatically clears the next time the system is armed. You can also check the **Clear Alarm History** box and tap **Ok** to manually clear the alarm memory (24-hour fire and CO sensors that are still violated remain in alarm memory).
Optional 2-Way Voice Communications

2-way voice communications provides a method for alarm verification and can provide emergency assistance. The Control Panel contains a built-in microphone that can monitor sounds around the area of the Control Panel. The built-in microphone and speaker allow 2-way voice communications with a Central Station operator after an alarm. The operator can converse with people in the premises through the Control Panel’s speaker and microphone.

Your installer can set the system to use 2-way voice communications after an alarm and/or after a panic alarm is triggered.

**NOTE:** Depending on setup options, if any perimeter doors or windows are open, the system may not allow arming to Stay mode with a wireless key fob. See “Installer Programmed Options” on page 40.

Away Mode

To arm the system to Away mode using a key fob, tap the **Away** button.

**NOTE:** Depending on setup options, if any perimeter doors or windows are open, the system may not allow arming to Away mode with a wireless key fob. See “Installer Programmed Options” on page 40.

Disarm with a Key Fob

To disarm the system from Stay or Away mode sing a key fob, tap the **Disarm** button.

**NOTE:** To use your key fob to disarm your system, this option must already be enabled by your installer.

Activate the Emergency Alarm

To trigger an emergency alarm using a key fob, press and hold the **Away** button and **Disarm** button at the same time for 5 seconds.

**NOTE:** If an emergency alarm is triggered by a key fob, it cannot be stopped using the key fob **Disarm** button. The alarm must be canceled at the Control Panel.

Activate the Auxiliary Output

To trigger the Control Panel’s auxiliary output, tap the **Auxiliary** button. If you use the **Auxiliary** button, the auxiliary output controls the ________________.
WIRELESS KEYPAD: ARMING AND DISARMING

Your system may be equipped with one or more wireless keypads. Up to four (4) wireless keypads can be used to control the system remotely from the main Control Panel.

Two types of wireless keypads are available. A wireless keypad without a screen, and a wireless touch screen keypad.

The wireless touch screen keypad operates virtually the same as the Control Panel. Each standard wireless keypad has buttons for entering user codes, Stay and Away mode buttons, and Fire and Police emergency buttons.

Check the See “Installer Programmed Options” on page 40. section in this guide to verify which 24-hour Fire and Police emergency buttons have been enabled by the installer.

Arm with a Keypad

Stay Mode
To arm the system to Stay mode using a wireless keypad:
1  At the Home screen, tap Security > Arm.
2  Enter a valid user code.
3  Tap the Stay button.
4  If Quick Arming has been programmed by your installer, just tap the Stay button.

NOTE: If any perimeter door or window sensors are open, the system does not allow arming to Stay mode with a wireless keypad. All open sensors must be bypassed at the Control Panel first.

Away Mode
To arm the system to Away mode using a wireless keypad:
1  At the Home screen, tap Security.
2  At the Security screen, tap Arm.
3  Enter a valid user code.
4  Tap the Away button.
5  If Quick Arming has been programmed by your installer, just tap the Away button.

NOTE: If any perimeter door or window sensors are open, the system does not permit you to use a wireless keypad to arm the system in Away mode. All open sensor-protected doors and windows must either be closed or bypassed at the Control Panel before arming with a wireless keypad.

Disarm with a Keypad
To disarm the system from Stay or Away mode, enter a user code.

Activate a Fire Emergency
To trigger an emergency fire alarm using a wireless keypad, press and hold the Fire button for two (2) seconds.

NOTE: To use a wireless keypad to trigger a fire alarm, this option must already be enabled by your installer.

Activate a Police Emergency
To trigger an emergency police alarm using a wireless keypad, press and hold the Police button for two (2) seconds.

NOTE: To use a wireless keypad to trigger a police alarm, this option must already be enabled by your installer.
SMOKE, HEAT AND FREEZE PROTECTION

Your residential system should be installed with Smoke, Heat, and Freeze alarms as well as Carbon Monoxide detectors as a part of an overall fire, heat, and gas protection system. Fire protection is active 24 hours a day, 365 days a year.

NOTE: In Turkey, systems are installed with Smoke/Heat alarms.

If there is evidence of a fire or poisonous CO gas emergency, the installed smoke or carbon monoxide detector automatically activates your security system. Not only will the fire alarm itself emit a loud sound, the Control Panel emits an intermittent and loud horn on an external sounder (if an external soundersha has been installed). The fire alarm sound continues until the timer expires on the Fire Alarm or until you enter a user code at the Control Panel.

If the Alarm Sounds:

- Get out and stay out. Never go back inside for people or pets.
- If you have to escape through smoke, get down low and go under the smoke.
- Call the fire department from outside your home.

Initiating a Fire Alarm Manually

If you become aware of a fire emergency before your detector(s) sense an issue:

IMPORTANT: Always yell “Fire!” to alert everyone in proximity.

1. Go to the Control Panel and tap the Emergency button.
2. At the Emergency screen, press and hold the Fire button for two (2) seconds. This action triggers the fire alarm’s sounder and siren. You can also trigger the fire alarm from the wireless keypad by holding down the Fire button.
3. Get out and stay out of the dwelling. Never go back inside for people or pets.
4. Call your local Fire Department from a safe location outside the dwelling.

If the Fire Alarm Sounds Automatically

If the fire alarm sirens are sounding:

1. If flames and smoke are present, yell “Fire!” to alert everyone else.
2. Evacuate all occupants from the premises and call your local Fire Department from a safe location.

OR

1. If no flames or smoke are apparent, investigate the causes of the alarm.
2. Go to the Control Panel and enter your user code to stop the fire sounder and sirens.
3. Review the Alarm Memory to determine which sensor caused the alarm.
4. Go to the sensor and look for a possible reason the sensor tripped.
5. Correct the condition that caused the detector to trigger an alarm.

Silencing a False Fire Alarm

If the fire alarm is sounding due to a detector sensing burnt food or some other non-emergency condition:

1. Silence the fire alarm sounder by entering your user code.
2. Review the alarm memory to determine which sensor caused the alarm (See “Alarm Memory” on page 18). If the alarm rests there may still be smoke inside the detector’s sensor. Re-enter your user code to stop the alarm from continuing to sound.
3. Fan the detector for 30 seconds to clear the detector’s sensor chamber.
4. After the problem has been corrected, from the Alarm Memory screen, check Clear Alarm History, then tap Ok.

NOTE: Verde Fire and CO sensors clear from Alarm Memory screen only when the sensors return to normal operation.

5. Carefully inspect your premises for fire, heat, or gas if your Fire Alarms and CO Detectors remain in alarm state.

SAFE 1 SECURITY INC.
RECOMMENDED FIRE ALARM LOCATIONS

In the United States, this equipment shall be installed in accordance with the National Fire Alarm Code, ANSI/NFPA 72, (National Fire Protection Association, Batterymarch Park, Quincy, MA 02269). Printed information describing proper installation, operation, testing, maintenance, evacuation planning, and repair service is to be provided with smoke detectors and alarms.

NFPA Standard #72

The National Fire Protection Association’s (NFPA) Standard #72 recommends the following placement for smoke detectors:

- **Essential** fire detection is best achieved by the installation of fire detection equipment in all rooms and areas of the household. The equipment should be installed as follows:
  - Install a smoke detector outside each separate sleeping area, in the immediate vicinity of the bedrooms and on each additional story of the family living unit, including basements and excluding crawl spaces and unfinished attics.
  - Install smoke detectors in the living room, dining room, bedrooms, kitchen, hallway(s), finished attics, furnace room, utility and storage rooms, and attached garages.

**A** A smoke alarm should be located between the sleeping area and the rest of the family living unit.

**B** In family living units with more than one (1) sleeping area, a smoke alarm should be provided to protect each sleeping area.

**C** A smoke alarm should be located on each story.

**D** In split-level configurations, smoke alarms are optional where a door is not provided between a living and recreation room.

**IMPORTANT**: Regulations pertaining to smoke alarm installations vary. For more information, contact your local fire department or local authority having jurisdiction.
Do Not Mount a Smoke Alarm Here:

- Directly above a sink, cooker, stove, or oven
- Within 5 feet (1.5 m) of any cooking appliance
- Next to a door or window that would be affected by drafts (extractor fan or air vent)
- Outside
- In or below a cupboard
- Where air flow would be obstructed by curtains or furniture
- Where dirt or dust could collect and block the sensor
- Where it could be knocked, damaged, or inadvertently removed

Fire-warning equipment for residential occupancies are capable of protecting about 50% of the occupants in potentially fatal fires. Victims include the elderly, children, and the physically or mentally impaired. Victims include any persons who cannot escape even when warned early enough that escape should be possible. For these people, other strategies such as protection-in-place or assisted rescue or escape would be necessary.

- Studies show that Smoke/Heat/Freeze Alarms may not awaken all sleeping individuals. Individuals in the household who are capable of assisting others are responsible for providing assistance to those who may not be awakened by the audible alarm or those who may be incapable of safely evacuating the area unassisted.
- A battery-powered alarm must have the specific battery type installed, be in good condition, and be mounted properly.
- The use of alcohol or drugs may also impair the ability to hear the audible alarm. For maximum protection, ensure that an audible alarm is installed on every floor.
- Smoke/Heat Alarms only provide protection to the residence if smoke actually reaches the alarm. The Smoke/Heat Alarm is not a substitute for an insurance policy. Home owners and renters should have adequate insurance to protect their properties.

Emergency Action Plan

Establish and regularly practice a plan of escape with all members of your household in the event of fire. The National Fire Protection Association recommends the following steps:

1. Mount your detector or your interior or exterior sounders where they can be heard by all.
2. Determine two means of escape from each room. One path of escape should lead to the door that permits normal exit from the building. The other should be an alternate escape (such as a window) should the path to a door be impassable. Station an escape ladder at such windows if there is a long drop to the ground.
3. Sketch a floor plan of the building. Show windows, doors, stairs, and rooftops that can be used to escape. Indicate escape routes for each room. Keep these routes free from obstructions and post copies of the escape routes in every room.
4. Ensure that all bedroom doors are shut while you are asleep to prevent deadly smoke from entering while you escape.
5. Try the door. If the door is hot, check your alternate escape route. If the door is cool, open it cautiously. Be prepared to slam the door shut if smoke or heat rushes in.
6. When smoke is present, crawl on the ground. Do not walk upright, since smoke rises and may overcome you. Clearer air is near the floor.
7. Escape quickly, but do not panic.
8. Establish a place outdoors, away from your house, where everyone can meet and then take steps to contact the authorities and account for those missing. Choose someone to assure that nobody returns to the house — many die going back.
24-HOUR EMERGENCY BUTTONS

Three 24-hour emergency functions are available on the Control Panel:

- Panic
- Fire
- Emergency

You can activate emergency functions using the Control Panel, as well as wireless sensors, wireless keypads or portable pendant devices such as the panic button remote.

Tap the button to reveal the Emergency screen. This button does not trigger an alarm. During the installation, your installer programmed the emergency buttons that are displayed on the Emergency screen. If, however, no emergency functions are available, an information screen displays. To see which emergency functions are available on your system, tap the button.

In the event of an emergency, press and hold the emergency button for at least two (2) seconds to activate the alarm.

A If emergency functions are available, the Emergency button is a solid white lighted button.
B To display the Emergency screen, press the Emergency button.
C The Emergency screen.
D The Emergency screen displays the emergency options that are available on your system.

Panic
The Panic (or police) button sends an immediate panic report to the Central Station. During installation, the installer either set the system to sound the siren when the button is pressed, or to not sound the siren, but to trigger a silent alarm.

Fire
The Fire button sends an immediate fire report to the Central Station. The Control Panel sounds the fire horn when the button is pressed.

Emergency
The Emergency button sends an immediate report to the Central Station. The Control Panel sounds the siren when the emergency button is pressed.
The system continually polls wired sensors, wireless sensors and the Control Panel itself to ensure optimal operating conditions at all times. If trouble is detected, the system alerts you.

The system monitors the following conditions among others:

- AC power to the Control Panel
- Telephone connection (if used)
- The Control Panel’s backup battery
- Sensor supervisory status (if used)
- External sounder connection
- Sensor radio reception and sensor tampering (sensor’s case opened) when disarmed
- Control Panel tampering (panel’s case opening) when disarmed (optional)
- Communication to the Central Station

You have the option to have any or all trouble conditions reported to the Central Station. If a trouble condition exists, service your system immediately to ensure no lapse in service or protection.

**TROUBLE ALERT ICON**

If the system detects trouble, it flashes the trouble alert icon on the Security screen and sounds “alert beeps” every minute. Scrolling text along the top of the display also describes the trouble condition.

The trouble alert icon displays a number in the upper right corner that shows the number of current trouble alerts.

The trouble alert icon flashes until the trouble alerts are acknowledged, then it remains constantly lit until all the troubles are corrected. When all troubles are corrected, the icon disappears completely.

**VIEW THE CURRENT TROUBLE ALERTS**

1. To display all current trouble alerts, tap the Trouble Alert icon.
2. View the listed trouble events. If there are more than 3 alerts, use the ↑ and ↓ arrows to scroll through the list.

3. After viewing the trouble events, tap Ok to acknowledge. This action silences the alert beeps.

**TROUBLE ALERT BEEP HOLD-OFF**

During the installation, as an option, the system can be programmed by your installer to suppress the trouble alert sounder from 10 pm to 9 am. Any trouble alerts will still be displayed and reported (if enabled), but the sounder does not beep during nighttime hours. Some trouble conditions may clear automatically while other trouble conditions may require service to correct. If a trouble condition still exists after 9 am, the sounder beeps to indicate trouble.

*Note:* Suppression of whether the trouble alert sounder is suppressed or not, every trouble condition is always displayed on the trouble alert list and recorded in the system history event log.
The top line of the Control Panel’s display is the status bar that shows the current system mode, the status of the sensors, and any current system trouble alerts. Special icons are displayed on the right side to provide visual indications of the system's current condition.

AC POWER ON
The AC Power icon shows the status of the AC power to the Control Panel. A WHITE plug appears when AC power is present.

AC POWER OFF
The AC Power icon shows the status of the AC power to the Control Panel. A RED “X” appears over the WHITE plug when AC power is absent.

PHONE LINE FAILURE
If the Control Panel detects that the telephone line is disconnected, the phone line failure icon appears.

SOUNDER DISABLED
If the system’s internal sounder has been lowered and external sounder has been disabled by the installer for testing, the sounder disabled icon appears. It also flashes to indicate silent arming.

LOW BACKUP BATTERY
If the Control Panel’s backup battery tests low, the low backup battery icon appears.

TEST MODE
This icon displays when the system is in Walk Test mode.

TOUCH SCREEN KEYPAD TRAFFIC
An up arrow indicates the panel is sending information to the touch screen keypad (if installed). A down arrow indicates the touch screen keypad is sending information to the panel.

CELL RADIO
If the option GSM (Cellular) Radio Module is installed, the Cell Radio icon appears while the Control Panel is receiving Over-the-Air (OTA) firmware updates.

INTERIOR SENSOR OPEN
If an interior sensor is open (or a motion detector has just been activated) this icon appears. As a warning, the icon flashes during arming.
Your security system supports receiving messages from the Central Station. The messages can be about system upgrades, additional services, special regional weather alerts, etc. The messages can be sent for all system users to read, or as confidential messages that only the Master User can read.

Your security system supports receiving messages from the Central Station. The messages can be about system upgrades, additional services, special regional weather alerts, etc. The messages can be sent for all system users to read, or as confidential messages that only the Master User can read.

MESSAGING

Messages can be tagged by the senders in the following manner:

- Standard (blue message icon)
- Urgent (yellow message icon)
- Emergency Priority (red message icon)

Up to 31 text messages can be stored in the Control Panel’s memory. You can review them through the Control Panel’s display. Displayed messages are sorted in the following manner:

- Type
- Date
- Alphabetically

Reading Messages

When a message icon appears on your Home screen:

1. Tap the message icon button. The message list displays. The status bar shows the number of messages in memory, number of unread, and number of priority messages. Unread messages display in bold.

2. Use the ↑ or ↓ arrows to scroll through the message list.

3. Tap the message line itself to read the message.

4. Tap Back to return to the message list, or tap Delete to erase the message.

NOTE: If you check the Mark Read box, the message remains on the message list, but it no longer displays in bold.

5. When deleting a message, a confirmation screen displays. Tap Delete Message, or to return to the message, tap Cancel.

Displaying Messages

When a message is sent to the Control Panel, 3 beeps sound and the message icon displays on the Security screen. Standard messages display a blue message icon with a number of unread messages in the upper right corner. Urgent messages display a yellow message icon with an attention symbol in the upper right corner. Emergency messages display a red message icon with the bell symbol in the upper right corner.
READING CONFIDENTIAL MESSAGES

NOTE: When a confidential message is sent to the Control Panel, only the Master User with the master user code can read the message.

When a confidential message appears, the Master User should do the following:
1. Tap the message line on the message list. If the message is a confidential message, the Code Entry screen appears.
2. Enter the master user code. Other user codes are not accepted.
3. View the displayed message.
4. As detailed in “Reading Messages” on page 27, save or delete.

FILTERING MESSAGES
To select the type of messages that are displayed on the message list, use the Message Filter screen.
1. Tap the Message Filter screen, tap Filters.
2. Check or clear the boxes of the types of messages to display. To check all types of messages, tap All. To return to the message list, tap Back.

The following will reset when the following occurs:
- The reviewing is over
- The displaying is over

SORTING MESSAGES
To select the order in which messages are displayed on the message list, use the Message Sort screen.
1. Tap the Message Sort screen, tap Sorts.
2. To sort the messages, pick from the following options:
   - Date received
   - Date expires
   - Alphabetically
   - Urgent priority
   - Emergency priority
   - Priority
3. To reverse the display order, check the Reverse box.
4. To list urgent messages first, check the Priority box.
5. To return to the message list, tap Back.
6. When the message reviewing session is over, the sort options will reset.
You can control your system remotely using a standard telephone (requires the optional POTS module available only in the United States and Canada). Remote control is performed by calling the system and responding to spoken questions from the system. By pressing certain telephone keys, you can do the following:

- Arm the system
- Disarm the system
- Bypass sensors
- Query system status

NOTE: At the time your system was installed, your installer needed to enable the optional remote control by telephone feature. Otherwise you will be unable to use the remote control by telephone feature.

CALLING THE SYSTEM

During installation, your installer selects whether your system supports the remote telephone option or not. If this feature is enabled, the system requires you to call twice within 30 seconds before it answers your call.

1. Call the telephone number that the Control Panel is connected to. Wait for one or two rings, then hang up.
2. Within 10-45 seconds, call the Control Panel again. The Control Panel answers the call.

CONTROLLING THE SYSTEM REMOTELY

Talk to your dealer to see if your system was installed with the POTS module. Once you are connected with the system via the telephone, you can check on system status and remotely control the major functions.

TIP: The announcements that the system plays over the telephone do not sound out of the Control Panel’s speaker.

1. After the Control Panel answers, it asks for your user code. You have 15 seconds to enter your user code using the telephone keys. If you don’t enter a valid user code in 15 seconds, the system disconnects the call.

2. Using 2 telephone calls to enter a user code within a five (5) minute timeframe fail to enter a valid code, the system disconnects and does not respond to telephone commands for 30 minutes.

After the system has accepted your user code, it announces the system status, then the remote command options. Each remote command before automatically disconnecting. If you know the remote command number, you can enter it at any time. Use the following telephone keys to control your system:

<table>
<thead>
<tr>
<th>Press</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>For System Status Report</td>
</tr>
<tr>
<td>2</td>
<td>To Arm the System in Away mode</td>
</tr>
<tr>
<td>3</td>
<td>To Arm the System in Stay mode</td>
</tr>
<tr>
<td>4</td>
<td>To Disarm the system</td>
</tr>
<tr>
<td>5</td>
<td>To turn ON Auxiliary Output (if used)</td>
</tr>
<tr>
<td>6</td>
<td>To turn OFF Auxiliary Output (if used)</td>
</tr>
<tr>
<td>7</td>
<td>To stop System Status Report</td>
</tr>
<tr>
<td>8</td>
<td>To Hang up</td>
</tr>
<tr>
<td>9</td>
<td>To Repeat the Command Menu</td>
</tr>
<tr>
<td>#</td>
<td>All Open Sensors and Arm the System</td>
</tr>
</tbody>
</table>

NOTE: Remember to tap 8 to hang up when you are finished remotely controlling the system.

TIP: There is no Exit Delay when you remotely arm the system.

TIP: The Auto Stay feature (if enabled) does not function when you remotely arm the system.

BYPASSING SENSORS REMOTELY

If there are open sensors when you try to arm the system remotely, the system announces the current status and asks: “To bypass sensors and arm, press pound.”

1. To bypass all open sensors and arm the system, press #.

After the open sensors are bypassed, the system arms in the mode you selected and announces the system status to you.
USER MANAGEMENT
The system installer has programmed a master user code for your system. This code can be used to control the system, as well as to assign and change the other 59 user codes and access options. The master user code can also access several system settings in the Toolbox.

NOTE: The other 59 user codes are restricted from accessing settings in the Toolbox.

User Code Setup
IMPORTANT: The holder of the master user code is the only user who has permission to set up other user codes.

To set up the user codes:
1. At the Home screen, tap Security.
2. At the Security screen, tap Menu.
3. At the Menu screen, tap Toolbox.
4. Enter the master user code to access the Toolbox.
5. On the Toolbox (1 of 3) screen, tap User Management.

6. The Users Management screen displays 3 users at a time. Use the ↓ and ↑ arrows to scroll through the list.

Adding a User Code
IMPORTANT: User codes 0000 and 0001 are not permitted.

1. Tap one of the Add User buttons.
2. Enter a unique four (4)-digit code for the new user code. Then tap Ok.
3. Enter the code again to confirm it. Then tap Ok.
4. At the Confirmation screen, tap Ok to return to the User Management screen.

User Code Validity
After the Confirmation screen appears and you click Ok, the user codes Access Option screen appears. Select one of the three options to validate the user code:

- Select Always to set this user code to always be valid. Tap Back.
- Select Never to set this user code to never be valid. Tap Back.
- Select By Schedule to set this user code to be valid only for selected days and/or times.

User Code Access Schedules
You can set up user codes with one or more Access Schedules. Access Schedules limit access to your system to people with user codes (such as maintenance personnel, service, or cleaning personnel).

Adding/Editing User Access Schedules
1. If you selected By Schedule for the user code, the Edit Schedules button appears.
2. To select or edit an existing user code Access Schedule, tap Edit Schedules. You can also create a new user schedule from the Edit Schedule screen.
3. The User Access Schedules screen displays all current schedules for the user code.
To add a new schedule, tap **Add Schedule** or to edit a schedule, tap an existing schedule.

You can select 1 of 3 Schedule types:
- **Always**. Recurring applies to the days of the week and time period that this **user code** is valid.
- **Date**. Date applies to a single specific date and time period that this **user code** is valid.
- **Date Range**. Date Range defines a starting date, an ending date, and time period during which this **user code** is valid.

**Recurring User Access Schedules**
You can define up to 7 Access Schedules for **user codes** with and Access Option of **Always**.

1. For the schedule type, select **Always**.
2. To view the **User Access Schedule** screen, tap the calendar button.
3. Select the day(s) of the week that this **user code** will be valid with the check boxes.
4. Tap the left and right time buttons to set the starting and ending times that this **user code** will be valid on the selected days of the week.
5. Tap **Ok** to accept the schedule, or **Cancel** to return to the **Schedule Type** screen.

**Date User Access Schedule**

1. For the schedule type, select **Date**.
2. To view the **User Access Schedule** screen, tap the calendar button.
3. To set the only month, day, and year that this **user code** is valid, tap the date button.
4. Tap the left and right time buttons to set the start and end times that this **user code** is valid on that date.
5. Tap **Ok** to accept the schedule, or **Cancel** to return to the **Schedule Type** screen.

### Date Range User Access Schedule

1. For Schedule type, select **Date Range**.

2. To view the **User Access Schedule** screen, tap the calendar button.
3. Tap the **first** day button to set the month, day, and year that this **user code** will first become valid.
4. Tap the **last** day button to set the month, day, and year that this **user code** will last be valid.
5. Tap the left and right time buttons to set the starting and ending times that this **user code** is valid during the date range.
6. To accept the schedule, tap **Ok** or **Cancel** to return to the **Schedule Type** screen.

### Deleting User Access Schedule

1. On the **User Management** screen, select a **user code** that has a calendar schedule icon.
2. Tap the **Edit Schedules** button.
3. On the **User Access Schedule** screen, select the schedule to delete.
4. On the **Schedule Type** screen tap **Delete**.
5. A confirmation screen appears to verify that you want to delete the User Access Schedule. If **Ok**, tap **Delete Schedule** or tap **Cancel** to return to the User **Access Schedule** screen.
User Codes

Changing a User Code
1. At the User Management screen, tap the User button to change the user code.
2. Ensure that the current user code appears. Then tap Change Pin.
3. Enter a new four (4)-digit user code to use as the PIN. Then tap Ok.
4. To confirm the user code, enter the new code again. Tap Ok.
5. A confirmation screen appears, showing that the user code was changed. Tap Ok.

Deleting a User Code
1. To delete a user code from the User Management screen, tap the User button.
2. Tap Delete.
3. A confirmation screen appears to verify that you want to delete the user code. If Ok, tap Delete User or tap Cancel to return to the user codes Access Option screen.
4. A confirmation screen appears displaying the user code that was deleted. Tap Ok.

Duress User Code Setup
The Duress Code (User Code #8) initiates a silent alarm for help by secretly sending a Duress report to the Central Station.

Use the duress code when someone is forcing you to operate your security system against your will. When you use the duress code, a silent report is immediately sent to the Central Station and they will dispatch help.

Setting the Duress User Code
1. On the User Management screen, tap the User 8 (Duress) button.
2. A confirmation screen appears: Tap Create Duress User.
3. Enter a four (4)-digit code to use as the new duress code. Then tap Ok.
4. To confirm the duress code, enter the code again and tap Ok.
5. A confirmation screen appears. Tap Ok.
6. The User 8 edit screen appears. To return to the User Management screen, tap Back.

TIP: You can change the master user code, but you cannot delete it.
Secret Duress Button
On the Home screen, the system logo always appears in the lower right corner. The system logo is the secret duress button.

While Armed
With the system armed, tapping the logo displays the standard disarm code entry screen. Use a valid user code or a duress user code to disarm the system. The system disarms normally, but a silent duress report is sent to the Central Station and they will dispatch help. If supported by your 2GIG Alarm dealer, the left side of this screen also displays contact information for the alarm dealer or Central Station.

While Disarmed
You can also use the secret duress button while the system is disarmed. Tapping the system logo reveals the Enter Code screen. Enter the duress code to send a silent duress report to the Central Station and they will dispatch help. The system remains disarmed. If supported by the 2GIG Alarm dealer, the left side of this screen also displays contact information for the alarm dealer or Central Station.

SYSTEM HISTORY
The Control Panel keeps a log of system events in the order in which they occur. Each event is marked with the date and time that the event occurred.

To make reading the log easier, the system history display can be filtered to show selected events only. The events that can be filtered for the system history log display are:

- Arm or disarm of the system
- Bypasses of sensors (force bypasses and manual bypasses)
- Alarms (alarms are displayed with a red stripe)
- Alerts (alerts are displayed with a yellow stripe)

Some system events always display regardless of the filters selected. These events include:
- Walkte started or terminated
- Programming mode started or terminated

To view the system history log:
1. At the Home screen, tap Security.
2. At the Security screen, tap Menu.
3. On the Menu screen, tap Toolbox.
4. Enter a valid user code to access the toolbox.
5. At the Toolbox (1 of 3) screen, tap System History. The log of system events appears. Use the ↑ and ↓ arrows to scroll through the log.

6. To choose the events to display, tap Filters.

7. Select the events to display with the check boxes. Tap All to select all the check boxes, or None to clear all the check boxes.

8. Tap Ok when finished.
SYSTEM TEST

Even though your security system is self-monitoring, it is still important to regularly test the system manually. The System Test is used to test each of the sensors in the system. The master user code is required to test the system. While the system is in test mode, a “T” icon blinks on the upper right of the display.

**NOTE:** Stop and stop test reports are sent to the Central Station.

1. At the **System Test: Console** screen, a list of sensors appears. Use the ↑ and ↓ arrows to scroll through the list.
2. Go to each sensor listed, and trigger it.
   - For door or window sensors, open and close the door or window.
   - For motion detectors, stay out of the protected area for five (5) minutes, then walk through the area.
   - For portable sensors and wireless keypads, tap a button.
   - For smoke, CO, or glass break detectors, tap the detector’s test button.

**TIP:** When a red bar is displayed for a sensor, the test has failed.

3. When all sensors have been tested, tap OK. Then continue with the **Panel Test**.

Panel Test

The panel test checks the Control Panel’s indicators and sounder.

1. At the **System Test: Console** screen, a list of tests to perform on the panel appears. Use the ↑ and ↓ arrows to scroll through the list.
2. Tap each button in the list. Then tap **Yes** or **No** to respond to the test question.
3. After answering all of the questions, tap OK.

**IMPORTANT:** Test your Security System weekly to ensure continued protection and proper system operation.

To test the system:

1. At the **Home** screen, tap **Security**.
2. At the **Security** screen, tap **Menu**.
3. At the **Menu** screen, tap **Toolbox**.
4. To access the system test, enter the master user code.
5. At the **Toolbox (1 of 3)** screen, tap **System Test**.

Sensor Test

When each sensor is tested, the Control Panel does the following:

- Beeps and announces the sensor’s name
- Displays green bar lights by the sensor name
- Displays green signal bars to show the strength of that sensor’s wireless signal
At the **System Test Successful** screen, tap **OK**.

**Telephone Test**

If your security system is connected to your telephone line it can communicate with the Central Station using your telephone line. Your system can send its alarm messages and system trouble or status messages using the land-based telephone system. You can also use the telephone connection for any 2-way audio communications with the Central Station.

**IMPORTANT**: Test your Security System weekly to ensure continued protection and proper system operation.

You can test the telephone connection using the Toolbox.

1. At the **Home** screen, tap **Security**.
2. At the **Security** screen, tap **Menu**.
3. At the **Menu** screen, tap **Toolbox**.
4. Enter the **master user code** to gain access to the **Toolbox**.
5. Use the ← and → arrows to select **Toolbox (3 of 3)** screen.
6. On the **Toolbox (3 of 3)** screen, tap **Telephone Test**.

7. To begin the test enter the **master user code** again.

The system displays the **Telephone Test Status** screen. The top part of the screen shows each function that is being tested.

8. Use the ↑ and ↓ arrows to scroll through the status messages. The bottom part of the screen shows the results of each test.

9. If any tests fail, note what messages were displayed, and contact your alarm installer to troubleshoot your system.

10. After the testing is complete, tap **Ok** to return to the **Toolbox**.

**Cell Phone Test**

If your security system is equipped with a built in cellular radio, it can use it to send alarm messages and system trouble or status messages to the Central Station. You can also use the system’s cellular radio for any 2-way audio communications with the Central Station.

**IMPORTANT**: Test your Security System weekly to ensure continued protection and proper system operation.

You can test the cellular radio connection using the **Toolbox**.

1. At the **Home** screen, tap **Security**.
2. At the **Security** screen, tap **Menu**.
3. At the **Menu** screen, tap **Toolbox**.
4. Enter the **master user code** to gain access to the **Toolbox**.
5. Navigate to the **Toolbox (3 of 3)** screen using the ← and → arrows.
6. At the **Toolbox screen (3 of 3)**, tap **Cell Phone Test**.

7. To begin the test enter the **master user code** again.
The system displays the test status screen. The top part of the screen shows each function that is being tested.

8 Use the ↑ and ↓ arrows to scroll through the status messages. The bottom part of the screen shows the results of each test.

9 If any tests fail, note what messages were displayed, and contact your alarm installer to troubleshoot your system.

10 After the testing is complete, tap Ok to return to the Toolbox.

CHIME SETUP

On doors and windows monitored by sensors, the system can sound a chime to announce that the door or window was opened. Sensors can also be set to have the Control Panel say the name of the opening.

TIP: The chime and voice announcements only sound while the system is disarmed.

At the time of installation, the installer programs each sensor’s chime option. The person with the master user code can change the chime options for each sensor to further customize the system as desired.

TIP: As a global system option, the chimes for all the system’s sensors can be turned on or off with the Chime check box on the Menu screen.

To setup the chime options individually for each sensor:

1 At the Home screen, tap Security.
2 At the Security screen, tap Menu.

NOTE: Select or clear the Chime and Voice check boxes to turn the system chimes and voice announcements ON or OFF (except for alarm voice messages).

3 At the Menu screen, tap Toolbox.
4 Enter the master user code to gain access to the Toolbox.
5 At the Toolbox (1 of 3) screen, tap Chime Setup. The Chime Setup screen displays each of the installed sensors that can chime and the option currently set for the sensor.

TIP: There are 14 chime options for each sensor.

<table>
<thead>
<tr>
<th>Chime</th>
<th>Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Disabled</td>
</tr>
<tr>
<td>2</td>
<td>Voice Only</td>
</tr>
<tr>
<td>3</td>
<td>Ding-dong #1</td>
</tr>
<tr>
<td>4</td>
<td>Ding-dong with Voice #1</td>
</tr>
<tr>
<td>5</td>
<td>Ding-dong #2</td>
</tr>
<tr>
<td>6</td>
<td>Ding-dong with Voice #2</td>
</tr>
<tr>
<td>7</td>
<td>Ding-dong #3</td>
</tr>
<tr>
<td>8</td>
<td>Ding-dong with Voice #3</td>
</tr>
<tr>
<td>9</td>
<td>Ding-ding</td>
</tr>
<tr>
<td>10</td>
<td>Ding-ding with Voice</td>
</tr>
<tr>
<td>11</td>
<td>Chime #1</td>
</tr>
<tr>
<td>12</td>
<td>Chime with Voice #1</td>
</tr>
<tr>
<td>13</td>
<td>Chime #2</td>
</tr>
<tr>
<td>14</td>
<td>Chime with Voice #2</td>
</tr>
</tbody>
</table>
6 Check the option that you want for the sensor, then tap **Ok**.
7 When you are finished, tap **Back**.

### ADJUSTING THE BRIGHTNESS/VOLUME
You can adjust the brightness of the Control Panel’s display and the volume of the system’s speaker that is best suited to your installed system.

To set the brightness and volume:
1 At the **Home** screen, tap **Security**.
2 At the **Security** screen, tap **Menu**.
3 At the **Menu** screen, tap **Toolbox**.
4 Enter the **master user code** to gain access to the Toolbox.
5 At the **Toolbox (1 of 3)** screen tap **Brightness/Volume**.
   You can set the brightness using the top bar. Adjust the level from 1 to 12 using the buttons on each end of the bar.
6 You can set the speaker volume for the chimes and announcements on the bottom bar. Adjust the level from 1 to 12 using the buttons on each end of the bar.

**NOTE:** The volume setting does not effect the alarm sounder volume.
7 When you are finished, tap **Ok**.

### ADJUSTING THE BACKLIGHT TIMEOUT
The backlight timeout sets the length of time that the display stays lit after use. You can adjust the backlight to 30 seconds, 1, 2, 5, or 10 minutes, or to always (to light the display at all times).

**NOTE:** To conserve the Control Panel’s backup battery, during an AC power failure, the display goes dark after 30 seconds regardless of this setting.

To set the display backlight time:
1 At the **Home** screen, tap **Security**.
2 At the **Security** screen, tap **Menu**.
3 At the **Menu** screen, tap **Toolbox**.
4 Enter a valid **user code** to gain access to the Toolbox.
5 At the **Toolbox (1 of 3)** screen, tap the → arrow.
6 At the **Toolbox (2 of 3) screen, tap **Backlight Time-out**.
7 Choose one of the display backlight times and tap **Ok**.

### CLEANING THE TOUCH SCREEN
There is a special option for the Control Panel that enables you to clean the touch screen display. The option disables the touch screen for 30 seconds so the display can be cleaned with a dry, soft cloth.

To disable the touch screen for cleaning:
1 At the **Home** screen, tap **Security**.
2 At the **Security** screen, tap **Menu**.
3 At the **Menu** screen, tap **Toolbox**.
4 Enter a valid **user code** to gain access to the Toolbox.
5 At the **Toolbox (1 of 3)** screen, tap the → arrow.
6 At the **Toolbox (2 of 3)** screen, tap **Clean Screen**.

The touch screen displays a cross on the screen. Touch the center of the cross. Repeat with the next 2 crosses that appear.

7 When calibration has been successful, a completion screen appears. To finish and return to the **Toolbox** screen, tap **Ok**.

**SET DATE AND TIME**
The Control Panel has a built-in clock and calendar. The **Home** screen displays the time and date. The time and date are also used for the system history and event logs that store data on system events.

**NOTE:**
- installation, your installer can set the system to automatically adjust for daylight saving time if it’s observed in your location.

**NOTE:**
- The time and date are automatically set through the cellular radio by the Central Station if your Control Panel has a cellular radio installed.

To see the date and time:
1 At the **Home** screen, tap **Security**.
2 At the **Security** screen, tap **Menu**.
3 At the **Menu** screen, tap **Toolbox**.
4 At the **Toolbox (1 of 3)** screen, tap the → arrow.
5 At the **Toolbox (2 of 3)** screen, tap **Set Date** or **Set Time**.
6 Use the ↑ and ↓ arrows to set the current date or time. Tap Ok.

7 A confirmation screen showing the date and time set appears. Tap Ok.

DISPLAY FIRMWARE VERSION
To troubleshoot your system, you can check the firmware version that has been installed.

To display the firmware version:
1 At the Home screen, tap Security.
2 At the Security screen, tap Menu.
3 At the Menu screen, tap Toolbox.
4 At the Toolbox (1 of 3) screen, tap the → arrow.
5 At the Toolbox (2 of 3) screen, tap Version.

6 When finished, tap Back.

DEALER INFO SCREEN AND CALL BACK BUTTON
Your 2GIG Alarm Dealer may configure the Enter Your Code screen to display contact information for your 2GIG Alarm Dealer or the Central Station.

Accessing the Dealer Info Screen
To access the Dealer Info screen:
1 At the Home screen, tap the system logo.
2 At the Enter Your Code screen, enter the four (4)-digit master user code.
3 The left side of the Enter Your Code screen reveals contact information for your 2GIG Alarm Dealer or the Central Station.

Requesting a Service Call Back
To request a service call back:
1 At the Enter Your Code screen, a call back button appears at the bottom or the screen.
2 Tap the call back button to transmit a report to your alarm dealer or the Central Station.

When the report is received by the 2GIG Alarm Dealer or Central Station, you will receive a call back in accordance with the terms of your dealer’s service agreement. For additional information about call backs, consult your 2GIG Alarm Dealer.
The installer can program different options to customize the installation. The options listed below show the default settings and a check box or area to denote custom settings.

### Siren Run Time
If there is a burglary, panic (police), or emergency alarm, the Control Panel sounds the siren for a preset time. After the time expires, the siren will stop sounding. (Auxiliary alarms run for an unlimited time.)

- The default is 4 Minutes. The following options are available:
  - 8 Minutes
  - 12 Minutes
  - 16 Minutes
  - Unlimited

### Sensor Trigger Limit
The system limits the number of times a sensor can re-trigger an alarm while the system is armed. The setting is 1 to 6 times per sensor, per arming period.

- The default is 2 Triggers. The following options are available:
  - 1 Trigger
  - 3 Triggers
  - 4 Triggers
  - 5 Triggers
  - 6 Triggers

### Fire Horn Run Time
If there is a fire or carbon monoxide alarm, the Control Panel sounds the fire alarm horn for a preset time. After the time expires, the fire alarm horn will stop sounding.

- The default is 4 Minutes. The following options are available:
  - 8 Minutes

### Exit Delay
The Exit Delay begins immediately after arming the system. The delay gives you time to leave through the designated exit/entry door without setting off the alarm. During the Exit Delay, the siren will stop sounding.

- The default is Unlimited. The following options are available:
  - 12 Minutes
  - 16 Minutes
  - Unlimited

**NOTE:** Arming remotely does not start an Exit Delay.

### Entry Delay
The Entry Delay begins when the designated entry/exit door is opened while the system is armed. The delay gives you time to disarm the system before triggering the alarm. You must enter a valid user code on the Control Panel or Wireless Keypad before the Entry Delay time expires. During the Entry Delay, the siren beeps sound to remind you to disarm the system.

- The system supports two different Entry Delays:
  - Entry Delay #1 is for your primary entrance door
  - Entry Delay #2 is for a secondary entrance (such as a garage door) and is usually set longer to give you time to get to the keypad and disarm the system.
24-Hour Emergency Functions
The system can be configured to display three 24-hour emergency buttons on the
Control Panel: Panic, Fire, and Emergency. The installer can set which emergency
buttons on the Control Panel are active.
- Panic (Audible)
- Panic (Silent)
- Fire
- Emergency

Quick Arming
Quick Arming allows you to arm your system without having to enter a user code. When
you tap the Stay or Away button, the system will start to arm without requesting a user code.
- Off
- On

Quick Bypass
Normally sensors that are open at the time the system is armed will require force
bypassing by entering your user code. The system can be set so a user code is not
required to bypass open sensors when the system is armed.
- Off
- On

Quick Exit
The Quick Exit option allows you to start the Exit Delay while the system is armed. This
allows you to leave the premises without having to disarm and rearm the system.
When the Quick Exit option is on, a Quick Exit button will display on the Security
screen. Tap the button to start the Exit Delay.
After Quick Exit, the system will fully re-arm in the mode that it was in before (Stay or
Away mode).
- Off
- On

Auto Un-bypass
Normally, sensors manually bypassed with the User Toolbox will automatically have
their bypasses removed when the system is disarmed. The system can be set so sensors
that have been manually bypassed will stay bypassed until the bypass is manually removed.
- Off
- On

Auto Stay
The Auto Stay option will change the arming mode if no one exits after arming the system
in Away mode. When the system is armed in the Away mode the Exit Delay will begin.
With the Auto Stay option on, if a designated exit/entry door does not open and close
during the Exit Delay, the system will arm in the Stay mode instead of the Away mode.
- Off
- On

Key Fob Sound
The system can be set so when it is armed or disarmed by a wireless key fob, a beep will sound through the internal and external sounders to indicate that the key fob’s signal was received. This helps in installations where the Control Panel is not visible or there are no other status indications at the key fob’s location.
- Off
- On
Key Fob Disarm After Sound
The system can be set so that when it is disarmed with a wireless key fob after an alarm has occurred, a special series of beeps will sound through the internal and external sounders. This option serves as an alert to warn you to approach the premises with caution as an intruder may still be present.

- Off
- On

Key Fob Options
The installer selects which options are enabled for each key fob (1-8) used with the system. Refer to the table below for the options selected for your key fobs:

<table>
<thead>
<tr>
<th>Option</th>
<th>1 2 3 4 5 6 7 8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arm without Exit Delay</td>
<td></td>
</tr>
<tr>
<td>Allow key fob disarming</td>
<td></td>
</tr>
<tr>
<td>Enable key fob auxiliary key</td>
<td></td>
</tr>
<tr>
<td>Auxiliary Alarm</td>
<td></td>
</tr>
<tr>
<td>Audible Alarm</td>
<td></td>
</tr>
<tr>
<td>Silent Panic Alarm</td>
<td></td>
</tr>
<tr>
<td>Fire Alarm</td>
<td></td>
</tr>
<tr>
<td>Emergency Keys Disabled</td>
<td></td>
</tr>
</tbody>
</table>

Key Fob Arming Bypass Options

<table>
<thead>
<tr>
<th>Option</th>
<th>All Key Pads</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auto-bypass all open perimeter</td>
<td></td>
</tr>
<tr>
<td>sensors and un-bypass a sensor if</td>
<td></td>
</tr>
<tr>
<td>closed while the system is armed</td>
<td></td>
</tr>
<tr>
<td>Auto-bypass open perimeter</td>
<td></td>
</tr>
<tr>
<td>sensors permanently while armed</td>
<td></td>
</tr>
<tr>
<td>Allow key fob arming only when all</td>
<td></td>
</tr>
<tr>
<td>perimeter sensors are closed</td>
<td></td>
</tr>
</tbody>
</table>

Wireless Keypad Emergency Keys
Each standard wireless keypad has Fire and Police emergency buttons that can be enabled or disabled for each keypad. Refer to the table below for options set for your keypads:

<table>
<thead>
<tr>
<th>Option</th>
<th>1 2 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emergency Keys Enabled</td>
<td></td>
</tr>
<tr>
<td>Emergency Keys Disabled</td>
<td></td>
</tr>
</tbody>
</table>

Exit Delay Restart
The Exit Delay Restart option will extend the Exit Delay one time if you need to re-enter the premises. When the system is armed in the Away mode or Stay mode, the Exit Delay gives you time to leave without setting off the alarm. With the Exit Delay Restart option, the premises after you have left, but before the Exit Delay timer expires, will restart the Exit Delay timer, giving you the full length of time to leave again. The restart option only works once, each time the system is armed.

- On
- Off

Cancel Display
A “cancel” message will be sent to the Central Station if the system is disarmed within a preset period of time after an alarm is triggered. The system can be set to display that a cancel report was sent, or for higher security, the system can be set not to display the cancel message.

- On
- Off

Cancel Time
To limit responses to false alarms, a “cancel” message will be sent to the Central Station if the system is disarmed within a preset period of time after an alarm is triggered. The alarm report is always sent, but it will be followed by a cancel report if you disarm the system within the preset time.

This option helps the Central Station to determine whether you accidentally caused the alarm or if the alarm was caused by an intruder. It also lets the Central Station know that you have returned to the premises. Even if a cancel message is sent, the Central Station will verify the alarm and possibly dispatch help. The cancel message may be processed by the Central Station at a later time depending on system programming.

- 5 Minutes is the default, or _______ Minutes
Dialer Delay
If an alarm occurs, the system will delay dialing for a short time to allow you to disarm the system in case the alarm was accidentally tripped. The dialer delay reduces nuisance traffic to the Central Station and can prevent receiving fines that many cities impose when police respond to a false alarm. Your installer also can program the system for no dialer delay.

**NOTE:** The dialer delay is also known as the *abort window*. It gives you time to disarm, but doesn’t delay the siren from sounding. Disarming during the abort window can display a cancel message depending on the Cancel Display setting (see *Menu* on page 42).

- cond3s0Se is the default, or _______ Seconds

2-Way Voice
The system can connect with a Central Station operator so they can converse with people on the premises after an alarm. The 2-way voice option allows communication to and from the Control Panel and the Central Station. 2-way voice communications will occur after the system has made its alarm report. Your installer sets which sensors can trigger the 2-way voice option.

- Off
- On

Telephone Remote Control Answer
Your installer selects whether your system supports the remote telephone option or not. If the telephone remote control answer option is turned on, the system will require calling it twice within 30 seconds for the Control Panel to answer the call. See “Controlling the System Remotely” on page 29.

- Off
- On

---

1. Requires the optional POTS module, which is only available in the United States and Canada.
# Installer Specific Information

## User Codes

<table>
<thead>
<tr>
<th>User Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master User</td>
<td></td>
</tr>
<tr>
<td>User 2</td>
<td></td>
</tr>
<tr>
<td>User 3</td>
<td></td>
</tr>
<tr>
<td>User 4</td>
<td></td>
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<tr>
<td>User 5</td>
<td></td>
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<tr>
<td>User 6</td>
<td></td>
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<tr>
<td>User 7</td>
<td></td>
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<tr>
<td>User 8</td>
<td>(Duress)</td>
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<tr>
<td>User 9</td>
<td></td>
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<td>User 10</td>
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<td>User 11</td>
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<td>User 58</td>
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<tr>
<td>User 59</td>
<td></td>
</tr>
<tr>
<td>User 60</td>
<td></td>
</tr>
</tbody>
</table>

**IMPORTANT:** If you have logged user codes here, to maintain security, keep this guide in a secure location!
## Sensor Zones

<table>
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Your local Alarm dealer is the person best qualified to service your alarm system. Be sure to set up a routine service schedule with your local Alarm installer.

YOUR LOCAL ALARM AND SERVICE PROFESSIONAL

SAFE 1 SECURITY INC.

17515 BAMWOOD RD
HOUSTON TEXAS 77090

713-244-4744
INFO@SAFE1SECURITY.COM
If your home has specially wired alarm equipment connected to the telephone line, ensure that the installation of any other non-alarm devices does not disable your alarm equipment. If you have questions about what will disable alarm equipment, consult your telephone company or a qualified installer.

**IMPORTANT:** When programming emergency numbers or making test calls to emergency numbers remember the following:

1. Remain on the line and briefly explain to the dispatcher the reason for the call.
2. Perform such activities in the off-peak hours, such as early mornings or later evenings.
3. Follow the central station operator’s instructions for updated dialer programming, if re-programming of the dialer is required.

Alarm dialing equipment must be able to seize the telephone line and place a call in an emergency situation. It must be able to do this even if other equipment (telephone(s), answering system, computer modem, etc.) already has the telephone line in use. To do so, alarm dialing equipment must be connected to a properly installed RJ31X that is electrically in series with and ahead of all other equipment attached to the same telephone line. Proper installation is depicted in the figure on this page. If you have any questions concerning these instructions, you should consult your telephone company or a qualified installer about installing the RJ31X jack and alarm dialing equipment for you.

**Alarm Installation Notes to Installer**

For products equipped with an RJ31X jack, the line seize feature shall be verified. Be certain the local telephone and incoming line connections are not reversed. These lines are not reversed if the alarm dialer can communicate with the central station.
Wireless Product Notice

Radio controls provide a reliable communications link and fill an important need in portable wireless signaling; however, there are some limitations which must be observed.

- For U.S. installations only: The radios are required to comply with FCC Rules and Regulations as Part 15 devices. As such, they have limited transmitter power and therefore limited range.
- A receiver cannot respond to more than one transmitted signal at a time and may be blocked by radio signals that occur on or near their operating frequencies, regardless of code settings.
- Changes or modifications to the device may void FCC compliance.
- Infrequently used radio links should be tested regularly to protect against undetected interference or fault.
- A general knowledge of radio and its vagaries should be gained prior to acting as a wholesale distributor or dealer, and these facts should be communicated to the end users.

FCC Notice

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer’s instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Relocate the Console away from the TV/radio receiver.
- Plug the Console into a different wall outlet so that the Console is on a different branch circuit.
- Re-orient the TV/radio antenna.
- If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions.

FCC Telephone Rules and Regulations

The FCC requires that this alarm dialer system not make more than 15 repetitive dialing attempts to a single telephone number. There are no limitations when the calls are made sequentially to two or more alternative numbers, or when these calls are spaced 10 minutes apart to a single number. The FCC Rules and Regulations do not specify the re-attempt period as this can vary for specific applications. When setting this period, take into consideration local, interstate, foreign, and special network call completion characteristics, network processing time, a sufficient number of rings and busy/don’t answer modes.

Industry Canada Notices

**NOTICE:** The Ringer Equivalence Number (REN) assigned to each terminal device provides an indication of the maximum number of terminals allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the ringer equivalence numbers of all the devices does not exceed five (5).

**NOTICE:** The Industry Canada label identifies certified equipment. This certification means that the equipment meets certain telecommunications network protective, operational and safety requirements. The Department does not guarantee the equipment will operate to the user’s satisfaction.
Before installing this equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of connection. The customer should be aware that compliance with the above conditions may not prevent degradation of service in some situations.

Repairs to certified equipment should be made by an authorized Canadian maintenance facility designated by the supplier. Any repairs or alterations made by the user to this equipment, or equipment malfunctions, may give the telecommunications company cause to request the user to disconnect the equipment.

Users should ensure for their own protection that the electrical ground connections of the power utility, telephone lines, and internal metallic water pipe system, if present, are connected together. This precaution may be particularly important in rural areas.

**CAUTION:** Users should not attempt to make such connections themselves, but should contact the appropriate electric inspection authority, or electrician, as appropriate.
IMPORTANT NOTICE

ALARM SYSTEM LIMITATIONS

This security system cannot offer guaranteed protection against burglary, fire, or other emergencies. Any alarm system, whether commercial or residential, is subject to compromise or failure to warn for a variety of reasons. For example:

- Intruders may gain access through unprotected openings or have the technical sophistication to bypass an alarm sensor or disconnect an alarm warning device.
- Intrusion detectors (sensors) do not work without power. Battery operated devices do not work without batteries, with dead batteries, or if the batteries are not put in properly. Devices powered solely by AC do not work if their AC power supply is cut off for any reason, however briefly.
- Signals sent by wireless sensors may be blocked or reflected by metal before they reach the alarm Control Panel, even if the signal path has been recently checked during a weekly test. Blockage can occur if a metal object has been moved into the sensor’s signal path.
- A user may not be able to reach a panic or emergency button quickly enough.
- Telephone lines needed to transmit alarm signals from a premises to a Central Station may be out of service or temporarily out of service. Telephone lines are also subject to compromise by sophisticated intruders.
- Even if the system responds to the emergency as intended, however, occupants may have insufficient time to protect themselves from the emergency situation. In the case of a monitored alarm system, authorities may not respond appropriately.
- Alarm warning devices such as sirens, bells or horns may not alert people or wake up sleepers if they are located on the other side of closed or partly open doors. If warning devices sound on a different level of the residence from the bedrooms, then they are less likely to awaken or alert people inside the bedrooms. Even persons who are awake may not hear the warning if the alarm is muffled from a stereo, radio, air conditioner, or other appliance, or by passing traffic. Finally, alarm warning devices, however loud, may not warn hearing-impaired people or awaken deep sleepers.
- While smoke detectors have played a key role in reducing residential fire deaths, they may not activate or provide early warning for a variety of reasons in as many as 35% of all fires, according to data published by the Federal Emergency Management Agency. Some of the reasons smoke detectors used in conjunction with this system may not work are where smoke cannot reach the detectors, such as in chimneys, in walls, or roofs, or on the other side of closed doors. Smoke detectors may have been improperly installed and positioned. Smoke detectors may not sense fires that start where smoke cannot reach the detectors, such as in chimneys, in walls, or roofs, or on the other side of closed doors. Smoke detectors also may not sense a fire on another level of a residence or building. A second floor detector, for example, may not sense a first floor or basement fire. Moreover, smoke detectors have sensing limitations. No smoke detector can sense every kind of fire every time. In general, detectors may not always warn about fires caused by carelessness and safety hazards like smoking in bed, violent explosions, escaping gas, improper storage of flammable materials, overloaded electrical circuits, children playing with matches, or arson. Depending upon the nature of the fire and/or the locations of the smoke detectors, the detector, even if it operates as anticipated, may not provide sufficient warning to allow occupants to escape in time to prevent injury or death.
- This equipment, like other electrical devices, is subject to component failure. Even though this equipment is designed to last as long as ten years, the electronic components could fail at any time.

SAFE 1 SECURITY INC.
The most common cause of an alarm system not functioning when an intrusion or fire occurs is inadequate maintenance.

Although, installing an alarm system may make homeowners eligible for lower insurance rates, an alarm system is not a substitute for insurance. Homeowners, property owners, and renters should continue to act prudently in protecting themselves and continue to insure their lives and property.

Panel Operating Conditions
For optimal performance, the Control Panel should be operated under the following conditions:

- **Operating Temperature** 0°C to 49°C (32°F to 120°F)
- **Humidity** 0 - 90% Non-condensing