Simon® XTi-5 Version 2 User Guide

Introduction

This is the User Guide for the Simon® XTi-5 Version 2 system (models 600-1054-95R-18 & 600-1054-95R-18-CN). The Simon® XTi-5 (V2) provides a graphical user interface for programming and system operation. A piezo siren is provided for alarm and status annunciation. A speaker and microphone is provided for 2-way voice communication with the central station.

Safety Information

WARNING: **CHOKING HAZARD.** The product accessory bag contains items that could be choking hazards. Please keep away from small children.

AVERTISSEMENT: Le sachet de produits accessoires contient des éléments qui pourrait présenter un danger d'étouffement. Veuillez garder hors de la portée des jeunes enfants.

Operation

Use this document to quickly begin operating your Simon® XTi-5 (V2) security systems. Refer to the Simon® XTi-5 User Manual Version 2 for full operating details and programming options. To download the Simon® XTi-5 User Manual Version 2 see "Contact information" on page 10.

Note: The default master code is 1-2-3-4 when the security system is shipped from the factory. You should change your code after your system is installed (see "Programming" on page 6).

To operate the security system:

- Use the Main screen icons to arm/disarm the system when you enter or exit your home and to determine which sensors are active and the system status.
- Use the emergency screen to communicate with the central monitoring station to report police, fire, or emergency alarms.
- From the Main screen, press the Status & Settings icon to program certain user features. Refer to the Simon® XTi-5 User Manual Version 2 for more information.

Note: Upon initial installation, it may take up to 36 hours for the battery to fully charge. A low battery icon will be present and trouble beeps will sound until the battery is sufficiently charged. After the initial charge, should the panel lose AC Power and experience a low battery condition, the icon will appear and trouble beeps will sound unless silenced. Silence trouble beeps by:

- Arming or disarming the system.
  or
- Pressing "STATUS & SETTINGS" icon and pressing "LISTEN" next to Panel Status.

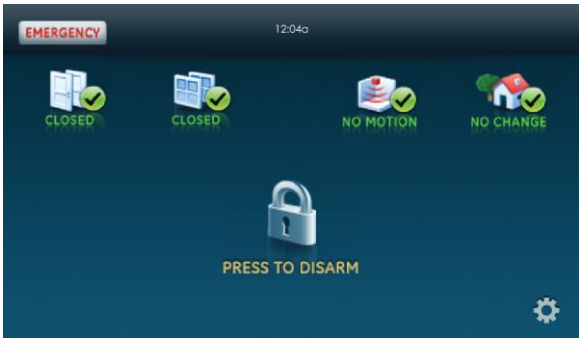
This will disable the sounder for 4 hours but the trouble indication will remain until the battery is recharged.

Contact your security provider to replace your backup battery.

This system is intended to be checked by a qualified technician at least once every 3 years.

Main Screen

Figure 1: Main Screen



The look and color of the Main Screen may vary depending up on the configuration by your security provider. The location of the buttons, controls, and icons are the same as shown in this manual. Colors and icon styles may differ to match those of the service provider's mobile application. For any questions contact your security provider.

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P/N 466-5437 • REV A • 16OCT18

There are several ways to navigate to the Main screen (Table 1 describes its features):

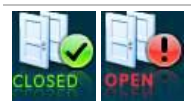
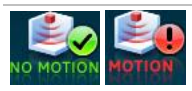
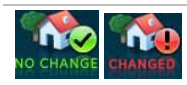
- By pressing the Close icon.

Depending on the current screen, the user may need to press the Close icon multiple times.
- After a period of inactivity, the Main screen will return (unless you set a blank screen as your default screen saver).
- If an alarm occurs, the screen will automatically return to the Main screen.

Note: The touch screen will automatically blank at 2:00 am daily for 60 minutes. Touch the screen to reactivate.

Note: The Main screen factory default can be changed the after your security provider's installation has been completed.

Table 1: Main Screen

Icon	Description
	Access the emergency screen to select the appropriate emergency icon (Panic, Police, or Fire).
	The current system time.
	Depicts the status of the AC power and battery. **Note**: These icons only appear in red on the main screen if the backup battery is not fully charged or AC power is not working correctly.
	This yellow triangle indicates faults within the system.
	This will appear on the Main screen in the event of an alarm. Messages will also display on this icon describing what caused the alarm. Press this icon to cancel the alarm.
	* Depicts monitored door status. A green check indicates all monitored doors are closed. A red exclamation point indicates one or more doors are open.
	* Depicts monitored window status. A green check indicates all monitored windows are closed. A red exclamation point indicates one or more windows are open.
	* Depicts motions sensor status. A green check indicates no recent motion detected. A red exclamation point indicates motion was detected in the last 10 minutes.
	* Depicts other changes to protected property in your system. A green check indicates all sensors are closed and no activity since you last checked. A red exclamation point indicates either a sensor is tripped, or there is unacknowledged activity.

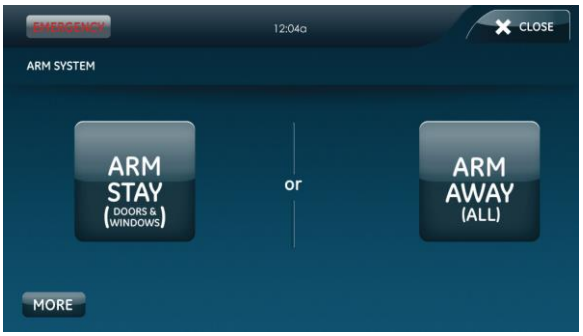
*** Note:** Pressing the above sensor icons will open a new screen to provide more detail. These icons may contain the text "N/A" which indicates your system is not configured to support this feature. Consult your dealer for additional information.

Icon	Description
	Press this icon to access the Arming Screen.
	One of these icons will display depending on your arming level. Press to turn off intrusion/burglary protection for your system. Only intrusion/burglary sensors are disarmed. Environmental sensors, such as smoke and carbon monoxide detectors, stay active at all times. Enter your code in the keypad screen that appears. If you enter an incorrect code, press the Clear icon and enter the correct code.
	Press to access the Status & Settings screen.

Arming Screen

When you touch the PRESS TO ARM icon on the Main screen, the Arm screen appears with the following arming choices:

Figure 2: Arming Screen



Note: Depending on configuration by your security provider, your ARM screen may have three buttons displayed instead of two.

Table 2: Arming Screen Icons

Icon	Description
ARM STAY (Doors and Windows Only)	This icon activates perimeter sensor only.
ARM AWAY (ALL)	This icon activates all sensors.
MORE	This icon opens optional arming choices "Silent Exit" and "Entry Delay".

Note: You will see icons at the top of the screen depicting the current state of your installed sensors.

Optional Arming Choices

These settings are optional (for more advanced arming features).

- **Silent Exit:** Press this icon to silence your exit beeps during arming. (Your exit time will double).
- **Entry Delay:** Press this icon to set your entrance timer to zero. (Use the “No Delay” feature when you are asleep, or when you are away from home and will carry a wireless touchpad that allows you to disarm the system before opening a protected door). If you select the No Delay option, (clock with a red strike through) will appear over the lock when the system is armed.

Arming errors

If an option is selected on the Arm screen and there is a problem, an arming error message will appear, indicating the nature of the problem and how to resolve it. For example, you might see a message that indicates that you need to close the front door.

Correct the problem as indicated or press Bypass. The user will then see an arming countdown message at the bottom of the screen. Touch the Cancel icon and enter a valid code to stop the arming process.

Status and Settings Screen

To access the Status & Settings screen, press on the Main Screen. Refer to Table 3 below for more information on Status & Settings screen options.

- A gold icon indicates an option is selected.
- A blue icon indicates an option is not selected.

Table 3: Status and Settings Screen Options

Item	Description
AC Power (battery)	Depicts the status of the AC power and backup battery. A red power cord represents loss of AC power to the system. A green power cord icon represents AC power to the system. A red battery icon represents a low battery charge. A green battery icon represents a fully charged battery. **Note**: These icons only appear on the main screen if the backup battery is not fully charged or AC power is not working correctly. It is recommended that the backup battery be replaced every 3-5 years. Contact your security provider to replace the backup battery.
Event History	Press the Show icon to view system events. **Note**: If a # appears in the Event History list, the event was not sent to the central station.
Direct Bypass	Press the Select icon to enter the sensor bypass screen. Sensor can only be bypassed if actively armed.
Panel Status	Press the Listen icon to listen to the status of your security system. Press Clear to clear the status.
Chime	Press the On/Off icon to set the chime feature On/Off. **Note**: This option may or may not appear depending on panel programming.
Special Chime	Press the On/Off icon to set the special chime feature On/Off. **Note**: This option may or may not appear depending on panel programming.
Lights	Optional. Ask your dealer for more information. **Note**: Has not been investigated by UL.
Door Locks	Optional. Ask your dealer for more information. **Note**: Has not been investigated by UL.
Garage Door	Optional. Ask your dealer for more information. **Note**: Has not been investigated by UL.
Voice Volume	Press the arrows to adjust the speech volume level.
Beep Volume	Press the arrows to adjust the beep volume level.
Brightness	Press the arrows to adjust the screen’s brightness.
Default screen	Use this feature to set this panel’s screen saver mode. Select “Blank” icon to have the screen go dark after a period of inactivity. Otherwise, the default will be the Main screen and the screen will be lit. If AC power is lost, the screen will go blank after 2 minutes of inactivity to maximize battery life. The green AC power icon will blink. **Note**: The screen will automatically go blank at 2:00 am daily for 60 minutes.
Calibration	Press the Show icon to enter the calibration screen. This screen will allow you to recalibrate the touch screen.
Help	Press the Help icon to access the Help menu.
Set Date/Time	Press **ENTER** next to Set Date/Time to set the date and time. (A valid master code is required.)
System Tests	Press **ENTER** next to System Tests to access Sensor Test, Comm Test, and System Download options. (A valid master code is required.)
Programming	Press **ENTER** next to Programming to access the programming menu. (A valid master code is required.)
Version	Displays the system’s firmware version, touch screen version and copyright information.

To set the time:

1. From the Status & Settings screen, select Set Date/Time.
2. Enter access code.
3. From the Set Date/Time screen press the first box to set hour and press the SAVE icon.
4. Press the second box to set minutes and press the SAVE icon.
5. Press a.m / p.m. box to toggle a.m / p.m. setting.

To set the date:

1. From the Set Date/Time screen press the first box in the second row to set the month and press the SAVE icon.
2. Press the second box to set the day and press the SAVE icon.
3. Press the third box and enter the year and press the SAVE icon.
4. Press the CLOSE icon repeatedly to exit.

Emergency Icon

In an emergency, touch the Emergency icon. An Emergency screen appears (see Emergency icon in Table 1 on page 1). You will see three icons (Panic, Police, or Fire). Select the appropriate icon.

Note: If your system is connected to a security monitoring service, the authorities will be notified. This option may not be enabled. Contact your dealer for details.

If you initiate an emergency alarm by mistake, you can cancel the alarm by touching the red Alarm icon and entering your code within 30 seconds (typical time limit, contact your dealer for more information on your system configuration).

Fire Alarm Verification

If this option is off, the panel immediately reports to the central station when a smoke detector goes into alarm.

With this option on, if a single smoke detector goes into alarm, the panel will not report for 60 seconds unless another smoke detector goes into alarm. If the first smoke detector is cleared of an alarm within the first 60 seconds, no report will be sent to the central station unless it or a second smoke detector goes into alarm within the panel siren timeout period (5 minutes).

Ask your security provider how this option is programmed.

Arming and Disarming

Use the steps below to arm and disarm your system:

To disarm:

1. Press “PRESS TO DISARM”.
2. Enter your code when the keypad screen appears. If you enter an incorrect code, press the Clear icon and enter the correct code.

Note: You have four seconds between number presses to enter the code or you will be returned to the Main screen.

To arm STAY or AWAY (if two buttons are shown) or STAY, AWAY, Motions Sensors Only (if three buttons are shown):

1. Press “PRESS TO ARM” icon.

2. Press “STAY or AWAY, MOTION SENSORS ONLY, or ARM ALL”.
3. If a code is required, enter your code when the keypad screen appears.

The panel starts an exit delay and sounds exit beeps until the exit delay expires (see Table 4 on page 5).

Unvacated Premises

Unvacated Premises is a feature that determines whether the system automatically arms down to level 2 (STAY - doors and windows) if arming the system to level 4 (AWAY - doors, windows, and motion sensors) without opening or closing a perimeter door (on), or remains at the armed level chosen (off). This feature does not work from a key fob. Auto bypass must be on for this feature to work. Check with your security provider to see how these options are programmed for your system.

Swinger Shutdown

This setting determines if a sensor or zone will go into alarm only once during an arming period (an active arming level) and will not be active again until the alarm is canceled (Swinger Shutdown is enabled) or the sensor or zone will always be active and will go into alarm multiple times during an arming period (an active arming level) without canceling the alarm (Swinger Shutdown is disabled).

Note: Swinger Shutdown does not affect Smoke, Fire, Carbon Monoxide and Environmental sensors.

Ask your security provider how this option is programmed and have them explain how it will affect your system operation.

Exit/entry Delay

Your Simon® XTi-5 (V2) provides a delay after entering or exiting your home before the system is armed or disarmed.

Exit Delay Extension

If enabled by your security provider, the exit delay extension feature will recognize when arming the system, leave your house and then quickly reenter (for example, if you forget your car keys). If this happens, the system will restart your exit delay to give you the full exit delay again.

Ask your security provider how this option is programmed.

Alarms

The system provides annunciation to indicate an alarm condition. When an alarm is active, the Main screen will display the alarm status (see Table 1 on page 1).

To cancel the alarm:

- If you would like to hear additional alarm information, press Listen.
- To cancel the alarm, press the red alarm icon and enter a valid master or user code.

After alarms are canceled, the system will be disarmed.

System status

In the Status & Settings screen, press Listen (no code is required) to cause the system to speak the following types of information:

- Alarm conditions
- Alarm history
- Trouble conditions
- Open sensors
- Bypassed sensors
- RF Interference trouble

The and

icons appear when abnormal conditions such as a trouble or open sensor exists in the system.

You can clear certain status entries from the system (such as old alarm history) by listening to the message or by pressing the Clear icon next to Panel Status in the Status & Settings screen.

Remote TouchScreen, Touchpads and Keyfobs

TouchScreen, touchpads and keyfobs can be used to control the security system from remote locations in and near your home. Interfacing with the system using a TouchScreen or touchpad is similar to using the panel.

Status Beeps

The panel sounds status beeps to alert you to various system events and conditions as shown in Table 4 below.

Table 4: Status Beeps

Activity	Beep response
STAY (doors and windows)	Exit delay and entry delay beeps sound two times every 5 seconds and two times per second during the last 10 seconds.
AWAY (doors, windows and motions)	Exit delay and entry delay beeps sound three times every 5 seconds and three times per second during the last 10 seconds.
Motions (shown if three button arming is enabled)	Exit delay and entry delay beeps sound four times every 5 seconds and four times per second during the last 10 seconds.
Disarm	One beep.
Chime	Two beeps.
Special chime	Three beeps.
Property/asset management	One beep. (Information displays only on the Two-Way Talking Touch Screen).
Trouble beeps	Six beeps every minute. Press Listen next to Panel Status to stop beeps for 4 hours.
No activity beeps	Twenty beeps every minute for 5 minutes (feature must be programmed by the security provider).

Alarm Sirens

Exterior and interior sirens make three different alarm sounds on the premises, each indicating a different type of alarm. Sirens are programmed by the security provider to time out and stop sounding after a specified time.

Table 5 describes the siren sounds used by the security system.

Table 5: Siren Sounds

Function	Fire	CO	Intrusion	Emergency
Interior and panel siren	Temporal 3	Temporal 4	Steady	Fast on/off
Exterior siren	Temporal 3	Temporal 4	Steady	

Note: Temporal 3 or 4 refers to a continuous pattern of three siren pulses, then off for 1.5 seconds, three siren pulses, then off for 1.5 seconds.

Trouble Beeps

Your security system is able to automatically test itself for:

- Power failures
- Low batteries
- Sensor supervision
- Communication trouble with modem hardware installed in the panel or communication trouble with central monitor station

When your system detects one of the problems above, six rapid beeps sound every minute until the trouble condition is corrected (depends on the security provider's configuration). To stop the trouble beeps, enter the Status & Settings screen and press "Listen". Trouble beeps will resume 4 hours later unless the trouble condition is corrected.

Note: Trouble Beeps can be configured to not occur during 8PM - 8AM or to only occur during that time if a communication trouble occurs none other. It is therefore possible your system may not trouble during those hours.

Programming

Your Simon® XTi-5 (V2) security system allows you to program certain user options, such as access codes.

To enter programming mode:

1. From the Status & Settings screen, scroll down to the Programming option and press "Enter".
2. Enter the access code and press "OK".

Access codes

To add/edit access codes:

1. From the Programming screen, press "ACCESS CODES".
2. To add or edit an access code, press the white field next to the access code.
3. Enter the new/edited code on the numbered keypad and press "SAVE".
4. Press the CLOSE icon repeatedly to exit menus.

Chimes

Use the chime feature to signal when a protected door is opened while the system is disarmed. The panel chimes when a chime sensor is tripped, if the chime mode is enabled. This feature allows you to be notified when family members are going in and out of your home. The chime feature is turned on or off in the Status & Settings screen.

Note: If there are no chime sensors in your system, you will not be able to enable the chime feature.

Your security provider may have programmed the system to speak the sensor name or make a custom chime sound when a chime sensor is tripped. The chime sound, if programmed, will be played in place of the standard chime beeps.

To enable or disable the chime feature:

1. Open the Status & Settings screen. The gold icon indicates an option is selected.
2. To change the value, press ON or OFF icons next to Chime (depending on the settings your security provider has programmed, it may not be possible to turn on the feature).
3. Press the Close icon to exit.

Special Chime

The special chime feature allows you to install motion sensors in a patio or at the front door, and be notified when someone is approaching those areas. These motion sensors are not used for intrusion protection. The panel will chime, if the special chime mode is enabled.

Note: If there are no sp ecial chime sensors in your system, the special chime option will not appear in the Status & Settings screen.

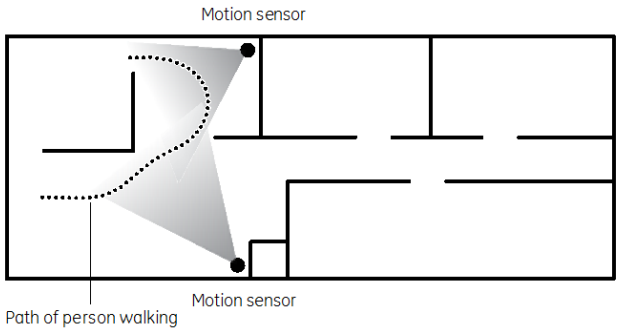
To enable or disable the special chime feature:

1. Open the Status & Settings screen. Scroll down until you find the Special Chime feature. The gold icon indicates an option is selected.
2. To change the value, press ON or OFF icons next to Special Chime.
3. Press the Status icon to exit.

Cross-zoning

Cross zoning (two-trip) refers to two different motion sensors that must be tripped within two minutes of each other to report an alarm to the central station. The Cross-zoning figure shows the path of a person walking from the kitchen to the living room. When the person is detected walking through the kitchen, the motion sensor in the kitchen is tripped, sounding a local alarm. If motion is detected by the living room motion sensor within two minutes, an alarm report will be sent to the central station.

Figure 3: Cross-zone Diagram



System Tests

Sensor Test

Sensors should be tested one at a time to make sure they are sending strong signals to the panel. Users should test the sensors at least once a week.

To perform the sensor test:

1. Enter the Status & Settings menu.
2. Scroll until System Tests is listed, Press “Enter”.
3. Enter master code and press “OK”.
4. Press the Sensor Test icon. All sensors learned into the system will be listed
5. Users will then trip the sensor they wish to test (see Table 6 below for details on how to trip each device).
6. The display will update with the total number of packets received from each individual sensor (see Table 6 below for minimum number of packets required).

Table 6: Tripping sensors for sensor test

Sensor	Instructions	Minimum packets required
Hardwire contact	Open the hardwire contact.	1
Door/window	Open the secured door or window.	6 of 8
Carbon monoxide alarm [a]	Press and hold the Test/Hush button (approximately 5 seconds) until the unit beeps two times, and then release the button.	6 of 8
Glassbreak [a]	Test with an appropriate glass break sensor tester.	6 of 8
Motion sensor	Avoid the motion sensor field of view for 5 minutes, and then enter its view.	6 of 8
Smoke	Press and hold the test button until the system sounds transmission beeps.	6 of 8
Keyfob [a]	Press and hold the Lock and Unlock buttons simultaneously for 3 seconds.	6 of 8
Simon 5" TouchScreen [a]	For sensor testing a 1.0. TouchScreen, press and hold the Emergency icon for 5 seconds. For sensor testing a 1.1 or greater TouchScreen, press the Settings (gear) icon, scroll down, and then press the RF Test icon.	6 of 8

a. Not investigated for use by UL.

Note: Some sensors which have additional encryption may require only 3 of 4 minimum packets. Contact your security provider to understand if any TX+ sensors are installed in your configuration.

Note: Refer to specific sensor installation instructions for complete operation and testing details.

Sensor Testing Notes

- Conduct sensor test in all possible environmental conditions (for example; interior doors open and closed, HVAC system on and off, wireless music system turned on and off).
- Conduct sensor test whenever changes are made to the installation environment that may impact RF performance (for example; mirrors installed, metal backed wall paper, addition of other RF equipment).
- If a sensor doesn’t meet minimum packet requirements, contact your security provider.

Comm Test

The Comm Test is used to check proper communication.

Note: If Comm Test is not finished, it will continue to run even if you exit program mode.

To perform a Comm Test:

1. Enter the Status & Settings menu.
2. Scroll until System Tests is listed, Press “Enter”.
3. Enter your master code and press “OK”.
4. Press “Comm Test”.

The panel displays if the Comm Test was successful or not.

Central Station Communication

After performing sensor tests, check that the system is reporting alarms successfully to the central station.

To test communication with the central station:

1. Call the central station and tell the operator that you will be testing the system.
2. Arm the system.
3. Test an emergency panic icon and trip at least one sensor of each type (fire, intrusion, etc.) to verify that the appropriate alarms are working correctly. There could be a 30 second delay on intrusion devices.
4. When you finish testing the system, call the central station to verify that the alarms were received.

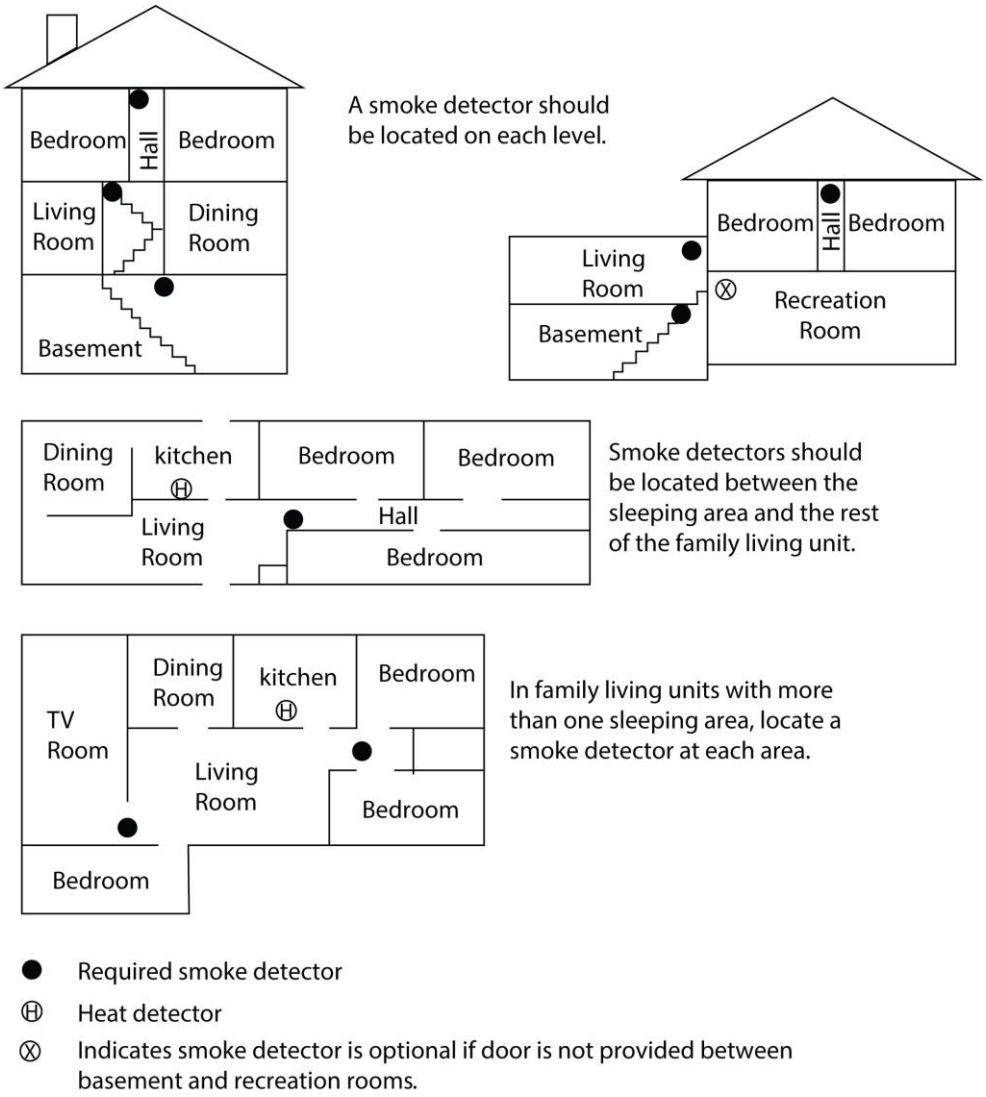
Note: If your system is not connected to a central monitoring station you won’t be able to perform the communication test.

Emergency Planning

Since an emergency is always unexpected, you should develop plans to help prepare for a variety of emergencies. Periodically discuss and rehearse emergency plans to include the following:

- Understand how to use your security system.
- Know the normal state of doors and windows: open, closed, or locked.
- Escape fast! (Do not stop to pack).
- Use a different escape route if closed doors feel hot to the touch.
- Crawl and hold your breath as much as possible to help reduce smoke inhalation during your escape.
- Meet at a designated outdoor location.
- Emphasize that no one should return to the premises if there is a fire.
- Notify the fire department from a neighbor’s phone.
- Emphasize that no one should enter the premises if they hear sirens in the house.
- If you arrive at the premises and hear sirens, do no enter. Call for emergency assistance with your cell phone, or from a neighbor’s phone.

Figure 4: Smoke Detector Placement



Note: Ceiling-mounted smoke detectors should be located in the center of the room or hall, or not less than 4 inches from the wall. When the detector is mounted on the wall, the top of the detector should be 4 to 12 inches from the ceiling.

Note: Do not install smoke detectors where normal ambient temperatures are above 100°F or below 40°F. Also, do not locate detectors in front of AC/Heat registers or other locations where normal air circulation will keep smoke from entering the detector.

Note: Additional information on household fire warning is available at nominal cost from: The National Fire Protection Association, Batterymarch Park, Quincy, MA 02269. Request Standard No. NFPA74.

Your Floor Plan

Use the following guidelines when drawing your floor plan:

- Show all building levels.
- Show exits from each room (two per room are recommended).
- Show the location of all security system components.
- Show the location of any fire extinguishers.

Cleaning the Touch Screen

If necessary, use a soft cloth to clear smudges on the touch screen; do not use glass cleaner on the touch screen.

Disposal

Dispose of all equipment is accordance with local requirements. Contact your security provider for more information.

Support

There may be additional features or programming options for your system depending on how it was installed. Contact your dealer or UTC Fire & Security for more information.

FCC Compliance

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Part 15 registration number: B4Z-910C-SIMON

IC: 1175C-910CSIMO

Part 68: This equipment complies with Part 68 of the FCC rules and the requirements adopted by the ACTA.

FCC registration number: US: B4ZAK02B55910

Canada: 1175C-910CSIXT

- Ringer Equivalence 0.2B
- Load Number 0.2

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October 16, 2018