

Simon XTi Installation Guide

Content

Contact information	1
Description	1
Installation.....	1
Connecting hardwired devices.....	2
Wiring phone lines.....	3
Wiring the power transformer.....	4
Resetting memory to factory defaults.....	4
Programming.....	4
Status & Settings screen.....	5
Sensors	7
Cleaning the touch screen.....	9
Disposal	9
Specifications.....	10
Regulatory information.....	10

Contact information

www.utcfireandsecurity.com or www.interlogix.com

For customer support, see www.interlogix.com/customer-support

© 2012 UTC Fire & Security Americas Corporation, Inc. Interlogix is part of UTC Climate Controls & Security, a unit of United Technologies Corporation. All rights reserved.

Description

This is the Installation Guide for the Simon XTi system (models 600-1054-95R-12 and 600-1054-95R-12-CN).

Table 1: Sensors and recommended sensor groups

Device	Part number	Recommended sensor group
Indoor motion sensor	60-639-95R, 60-807-95 ^b	15, 17, 18, 20, 28, or 32
Entry/exit door	60-362N-10-319.5	10
Interior door	60-362N-10-319.5	14
Door/Window sensor	60-362N-10-319.5	13
Smoke sensor	TX-6010-01-1 ^c	26
Glassbreak sensor	60-873-95 ^b	13

Device	Part number	Recommended sensor group
4-Button Key fob	600-1064-95R ^b	01
Simon XT Talking Touch Screen	60-924-3-XT-2WTTS ^b 60-924-RF-TS ^d	00, 01, 04, 05, 06, or 07
Simon XT Talking Touchpad	60-924-3-XT ^b	01
Carbon Monoxide alarm	TX-6310-01-1 ^b , 600-6520-95 ^b	34

- a. Not certified as a primary protection circuit for UL-listed systems and is for supplementary use only.
- b. Has not been investigated by UL.
- c. Required for UL-listed residential fire alarm applications.
- d. The TWTTTS has been verified for use by ETL. Neither this device nor other devices that employ the UTCFS 80 Bit Enhanced Protocol have been investigated for use by UL.

Note: These sensor groups are only recommendations. The installer should choose the correct sensor group for the application.

Caution: Do not use outdoor motion sensors for intrusion protection.

Installation

Panel location

Locate the panel where alarm sounds can be heard and where the panel will be easily accessible for operation. Do not install the panel near a window or door where it can be reached easily by an intruder.



GYbgcf	əgfi Wjcbg	A]ja i a dUW Yrg fYei fYX
Üā [] ÁVÁā q * q̄ ~ &Ō&^) Á	ÁŌ [] Á^) • [] Á • q̄ * ÁŌ ÁŌ ÁŌ ~ &Ō • &^) ÁŌ ÁŌ ÁŌ áÁŌ ÁŌ ÁŌ Ō [] Á^) & ÁŌ [] ÁŌ ÁŌ ÁŌ • ÁŌ Ō [] Á^) • [] Á • q̄ * ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ q̄ ~ &Ō&^) ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ Ō [] Á^) • [] Á • q̄ * ÁŌ ÁŌ ÁŌ ÁŌ Ō [] Á^) • [] Á • q̄ * ÁŌ ÁŌ ÁŌ ÁŌ	Ī Ā - Ā Ā

Ī ĒÁ ÜÁ••ÁŌ [] Á^) ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ

GYbgcf 'HYgh: U] i fY

ŌÁ ā^) • ÁŌ [] Á^) ÁŌ [] Á^) • [] Á • q̄ * ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ
Ō [] Á^) • [] Á • q̄ * ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ
Ō [] Á^) • [] Á • q̄ * ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ
Ō [] Á^) • [] Á • q̄ * ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ

ŌÁ [] Á^) • [] Á • q̄ * ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ
Ō [] Á^) • [] Á • q̄ * ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ
Ō [] Á^) • [] Á • q̄ * ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ
Ō [] Á^) • [] Á • q̄ * ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ

- ÜÁ [] Á^) • [] Á • q̄ * ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ
- ÜÁ [] Á^) • [] Á • q̄ * ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ
- ŌÁ ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ

V [] Á^) • [] Á • q̄ * ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ

FĒÁ Ü [] Á^) • [] Á • q̄ * ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ
Ō [] Á^) • [] Á • q̄ * ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ
Ō [] Á^) • [] Á • q̄ * ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ

ŌĒÁ ŌÁ [] Á^) • [] Á • q̄ * ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ

V [] Á^) • [] Á • q̄ * ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ

FĒÁ VÁ • ŌÁ ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ

ŌĒÁ ŌÁ ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ

HĒÁ T [] Á^) • [] Á • q̄ * ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ

I ĒÁ ŌÁ [] Á^) • [] Á • q̄ * ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ

V [] Á^) • [] Á • q̄ * ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ

FĒÁ VÁ • ŌÁ ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ

ŌĒÁ ŌÁ ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ

HĒÁ ŌÁ ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ

GYbgcf 'HYgh]b ['BchYg.

- Ō [] Á^) • [] Á • q̄ * ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ
- Ō [] Á^) • [] Á • q̄ * ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ
- Ō [] Á^) • [] Á • q̄ * ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ

Üā [] ÁVÁā q̄ * ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ

- Ō [] Á^) • [] Á • q̄ * ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ
- Ō [] Á^) • [] Á • q̄ * ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ

- ÜÁ • [] Á^) • [] Á • q̄ * ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ
- [] Á^) • [] Á • q̄ * ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ

7 ca a 'HYgh]b [

ŌŌ [] Á^) • [] Á • q̄ * ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ

BchY. Ō [] Á^) • [] Á • q̄ * ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ

Hc'dYfZfa 'UWta a 'HYgh'

FĒÁ Ō [] Á^) • [] Á • q̄ * ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ

ŌĒÁ ÜÁ [] Á^) • [] Á • q̄ * ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ

HĒÁ Ō [] Á^) • [] Á • q̄ * ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ

I ĒÁ ÜÁ ••ÁŌ [] Á^) • [] Á • q̄ * ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ

V [] Á^) • [] Á • q̄ * ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ

7 YbfU'ghU]cb 'Wta a i b]WU]cb'

ŌĒÁ Ō [] Á^) • [] Á • q̄ * ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ

BchY. Á [] Á^) • [] Á • q̄ * ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ

Hc'j YfZniUufa 'fYdcf]b [.'

FĒÁ ŌÁ ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ

ŌĒÁ ŌĒ [] Á^) • [] Á • q̄ * ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ

HĒÁ VÁ • ŌÁ ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ

I ĒÁ Y [] Á^) • [] Á • q̄ * ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ

7 'Yub]b ['H Yfci W 'gWYYb'

ŌÁ ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ

8]gdcgU'

Ōā [] Á^) • [] Á • q̄ * ÁŌ ÁŌ ÁŌ ÁŌ ÁŌ

Specifications

Power	9 VAC, 60 Hz, 25 VA transformer minimum Rechargeable battery: 6.0 VDC, 2.1 Ah NIMH. Maximum battery charging current is 120 mA. Once the battery reaches a low battery condition, a trouble signal will be annunciated, indicating that the battery may no longer support a full alarm load. When fully charged, the battery will operate the panel without AC power for 24 hours with the panel in a normal, standby condition, followed by 5 minutes in full alarm condition (including the maximum specified auxiliary load of 250 mA).
Radio frequency	319.5 MHz
Storage temperature	-29 to 140°F (-34 to 60°C) without battery 14 to 86°F (-10 to 30°C) with battery one year shelf life
Operating temperature	32 to 120°F (0 to 49°C)
Maximum humidity	85% relative humidity, noncondensing
Auxiliary power	Unregulated 4.0 to 12.3 VDC, with a maximum of 250 mA

Regulatory information

Some installation may require configurations dictated by city/state codes, insurance, or Underwriter's Laboratories (UL). This section describes the various component and configuration listings.

Basic system:

- Control panel: Backup battery 6 V 2.1 Ah (34-070)
- Standard Class 2, 9 VAC, 25 VA power transformer (UTC Fire & Security part 22-155) or Standard, Class 2, 9 VAC, 30 VA (UTC Fire & Security part 22-153).
- Hardwired siren (13-374)

Household burglary alarm system unit (UL 1023), basic system plus the following:

- Hardwired magnetic contact (1038T) or wireless learn mode door/window sensor (60-670-95R or 60-362N-10-319.5 or 60-362N-11-319.5)
- Panel piezo beeps set to on
- Entry delay set to 45 seconds or less
- Exit delay set to 60 seconds or less
- RF time-out set to 24 hours
- Control panel alarms turned on
- Auto arm set to on
- Siren timeout set to 5 minutes or more
- Trouble beeps set to on
- RF jam detect set to on
- Hardwired siren supervision set to on
- Exit extension set to off
- Quick exit set to off

Household fire warning system (UL 985), basic system plus the following:

- Wireless smoke sensor 60-848-02-95, TX-6010-01-1 learned into sensor group 26.
- Panel piezo beeps turned on
- Control panel alarms set to on
- Siren timeout set to 4 minutes or more
- Trouble beeps set to on
- RF jam detect set to on
- Hardwired siren supervision set to on
- Smoke supervision set to on

UL 1635 digital alarm communicator system the following settings are required only if the system is set up for central station reporting:

- Phone mode 1 set to "All SIA" or "All CID"
- Automatic phone test set to 001
- RF timeout set to 4 hours
- AC power failure report set to on
- CPU low battery report set to on
- Fail to communicate set to on
- Entry delay plus the dialer delay must not exceed 60 seconds

SIA system requirements

Verified to SIA CP-01-2007 by ETL, basic system, plus if multiple annunciations are required, use hardwired siren 13-046.

Note:For UL 1635 installations, entry delay plus dialer abort delay must not exceed 60 seconds.

Table 8 below describes programming requirements to meet ANSI-SIA CP-01.

Table 8: SIA setting requirements

Function	Default setting	Required setting
Entry delay	30 seconds	30 to 240 seconds
Exit delay	60 seconds	45 to 240 seconds
Dialer delay	30 seconds	15 to 45 seconds
Auto arm	On	On
Unvacated premises	On	On
Call waiting	Off	On if reporting to central station and customer has call waiting service
Alarm cancel window	6 minutes	6 to 255 minutes, Off
System test	Enabled	Enabled
Communication test	Enabled	Enabled
Exit extension	On	On
Swinger shutdown	On (one trip)	On (one trip)
Fire alarm verify	Off	On

Function	Default setting	Required setting
Duress/panic code	Disabled	Disabled
Cross zone	Disabled	Disabled for zones with high probability of false alarms

Table 9 below describes nonprogrammable (hard-coded) system operation, as required to meet ANSI-SIA CP-01.

Table 9: Nonprogrammable system operation

Function	Operation
Silent exit	All annunciators enabled
Remote arming exit time and progress annunciation	All annunciators enabled
Abort annunciation	Enabled
Cancel report annunciation	Enabled
Recent closing	Enabled (2-minute window)
Exit error	Enabled
Restoration of power	Panel resumes operation in same arming state and disregards alarm signals from sensors for the first 60 seconds after power restoration
Cancel alarm	Enter code only

Central station reporting

Note: The panel shall not be set or programmed to place a call to a police station number that has not been specifically assigned by that police station for such service.

Caution: If call waiting is used on a non-call waiting line, successful connection to the central station may be prevented.

The panel has been tested with the following central station receivers using SIA and Contact ID reporting formats:

Before beginning installation, installers must verify that the central station is equipped with the following receivers:

- Radionics D6600 central station receiver
- Sur-Gard central station receiver with models SG-DRL2A and SG-CPM2
- CS5000 digital alarm communicator receiver

UL Canada listed installations

This section describes the requirements for CUL (UL Canada) listed installations.

Canadian standards CSA certified accessories:

- Standard Class 2, 9 VAC, 30 VA power transformer (UTC Fire & Security model 22-153-CN) or Standard Class 2, 9 VAC, 25 VA, (UTC Fire & Security model 22-155-CN).

Residential burglary alarm system unit (ORD-C1023-1974): basic system as described for UL1023 listed installations plus:

- Hardwired magnetic contact (1038T) or wireless learn mode door/window sensor (60-670)
- Siren timeout set to six minutes or more

Residential fire warning system control unit (ULC-S545-M89): basic system as described for UL 985 listed installations plus:

- Wireless smoke sensor 60-848-02-95, TX-6010-01-1 learned into sensor group 26
- Siren timeout set to six minutes or more

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

This Class B digital apparatus complies with Canadian ICES-001. Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

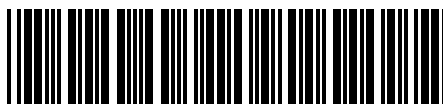
Part 68. This equipment complies with Part 68 of the FCC rules and the requirements adopted by ACTA.

FCC registration number: US: B4ZAK02B55910

Canada: 1175C-910CSIXT

Ranger Equivalence 0.2B

Load Number 0.2



466-2449

Printed in Mexico