

## Overview

Simon 3 is a low-cost security panel that offers up to 24 zones of burglary and fire protection and complies with SIA False Alarm Standards. With a built-in touchpad and status speaker that provides voice messages for feedback, Simon 3 is well-suited for houses, apartments, and condominiums.

The Simon 3 panel comes standard with 24 wireless zones, or can be set up with 22 wireless zones and two built-in hardwired supervised burglary zones (normally-closed loop only). The built-in radio receiver works with both Crystal and SAW Learn Mode sensors.

Use remote phone control to arm and disarm the system, check system status, activate no entry delay, or activate the latchkey feature. With latchkey capabilities, the panel can be programmed to notify customers if the system has not been disarmed at a scheduled time.

### *Convenient and expandable*

Add convenient system operation from anywhere within the premises with wireless touchpads. Choose from the Remote Handheld Touchpad, Dialog 2-Way RF Touchpad, 2-, 4-, or 5-Button SAW Keychain Touchpads, 2- or 4-button Crystal Keychain Touchpads, or 2-Button ELM (encrypted learn mode) Keychain Touchpad. ELM technology secures every keychain touchpad transmission. When powered by the optional line carrier transformer, adding X10® modules lets customers control lights, appliances, and other devices. The Dialog RF Electronic Thermostat provides a money-saving and convenient way to monitor and control temperatures by integrating heating and cooling features into a security system.

### *Enhanced monitoring*

Simon 3 can send messages to a central monitoring station using SIA or contact ID (CID) formats, or to a numeric pager carried by a designated user. The panel can also report alarms to another land-line phone location or cell phone using Voice Event Notification.

Built-in 2-way voice capability with VOX (voice-activated switching) provides additional security and emergency contact with the control monitoring station (60-875-11-3 only).

### *Effortless programming*

System programming can be done from the panel using the built-in touchpad, or off-site using ToolBox® downloader software (version 5.4 and later).

## Standard Features

- 24 wireless zones— two can be hardwire (normally-closed loop only)
- Supports both Crystal and SAW Learn Mode sensors
- Supports repeaters
- Supports Dialog 2-Way RF products
- Indoor and outdoor motion sensors
- Chime feature for monitoring door, window, or motion activity
- 1 master access code and 5 programmable user access codes of 3 to 6 digits
- SIA or CID central station reporting formats and Voice Event Notification reporting
- Program No Activity and No Usage Report features
- Built-in 2-way voice with VOX (model 60-875-11-3 only)
- Meets SIA False Alarm Standards
- 100-event buffer with time and date stamp
- Disable panel voice and beeps
- Program panel with built-in touchpad or ToolBox software
- Optional table-mounting base

# Simon 3

affordable, reliable security featuring  
Learn Mode™ Technology



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## Specifications

### Electrical

- Required transformer: Class II, 9 VAC, 700 mA, 60 Hz (60-898-IT); 22-109-CN in Canada) or Class II 9 VAC, 700 mA, 60 Hz Power Line Carrier (60-913; 22-129-CN in Canada)
- Fuse: Non-replaceable transformer fuse
- Backup batteries: 6 VDC, 1.2 Ah lead acid (60-914)
- Backup time: 24 hours (fully charged)
- Battery test: 10 seconds under load every 4 hours

### Radio Receiver

- Type: AW-Controlled Superheterodyne
- Frequency: 319.5 MHz/ Bandwidth 350 kHz
- Sensitivity: -110 dBm nominal
- Nom. range: 500 ft. (240 m) open-air receiving range

### Telephone/Modem

- Dialing: DTMF or pulse
- Modem: Modified Bell 103 (110 or 300 bps)
- Telephone interface: Lines seizure relay

### Inputs/Outputs

- Total input zones: 24 or 22 wireless and 2 hardwire (normally-closed loop only)
- Auxiliary power: Unregulated 5.1 to 12 VDC; power-limited to 250 mA (maximum) @ 10 VDC
- Siren outputs: 1 Hardwire Interior Siren and 1 Hardwire Exterior Siren output (5.1 to 12 VDC)

### Microprocessor

- Processor type: Mitsubishi M30620FCAFP / Processor Clock 16 MHz
- System ROM: 32 KB / System RAM 3 KB
- Memory retention: Unlimited duration (4 Mbit Flash)

### Digitized Voice

- Digitization type: Continuous Variable Slope Delta (CVSD) Modulation
- Playback rate: 88,200 bits/second
- Vocabulary size: 212 words (approximately 90 sec.)

### Environmental

- Operating temperature: 32 to 122°F (0 to 50°C)
- Relative humidity: 90% max., noncondensing

### Physical

- Color: Belgian gray
- Dimensions (LxWxD): 7.5 x 6.75 x 1.5 in. (191 x 171.5 x 38 mm)
- Weight, without battery: 1.0 lb. (454 g)
- Installation: Wall and table mount
- Construction, chassis: ABS

### Regulatory

- FCC: Part 15, Part 68
- UL: 985, 1023, 1635/ULC Listing ORD-C1023-19074, ULC-S545-M89
- CSFM: California State Fire Marshall

## Ordering Information

### Basic Simon Packages

- 80-632-3N Simon 3 starter package without X-10  
80-632-3X Simon 3 starter package with X-10

### Preconfigured Simon Kits without X-10

- 80-305-3N Simon 3, 2 SAW door/window sensors, 1 SAW pet immune motion detector, 1 4-button key fob  
80-517-3N Simon 3, 3 SAW door/window sensors, 1 SAW pet immune motion detector, 1 4-button key fob  
80-649-3N Simon 3, 3 Crystal door/window sensors, 1 SAW pet immune motion detector, 1 4-button key fob

### Preconfigured Simon Kits with X-10

- 80-305-3X Simon 3, 2 SAW door/window sensors, 1 SAW pet immune motion detector, 1 4-button key fob  
80-517-3X Simon 3, 3 SAW door/window sensors, 1 SAW pet immune motion detector, 1 4-button key fob  
80-649-3X Simon 3, 3 Crystal door/window sensors, 1 SAW pet immune motion detector, 1 4-button key fob

### Accessories

- 60-362-10-319.5 Crystal door/window sensor  
60-670-95R SAW door/window sensor  
60-741-95 Recessed Crystal door/window sensor  
60-688-95 Micro Crystal door/window sensor  
60-807-95R SAW pet immune motion sensor  
60-652-95 Carbon Monoxide sensor  
60-742-95R Freeze sensor  
60-744-95R Water sensor  
60-909-95 RF thermostat  
60-848-02-95 Smoke detector  
60-671-95R Wireless remote  
60-924-3-01 Touchtalk interactive keypad  
600-1032-95R 4-button keychain touchpad (key fob)  
600-1048 Simon 3 GSM cellular module



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