

1100XINT WIRELESS RECEIVER

Installation Guide

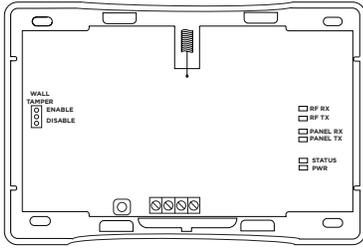


Figure 1: 1100XINT Receiver

GET STARTED

The 1100XINT Wireless Receiver provides up to 100 wireless zones for the XR150INT Series panels and up to 500 wireless zones for XR550INT Series panels. The receiver features 128-bit AES encryption.

The 1100XINT also provides two way communication using 868 MHz frequency-hopping- spread-spectrum technology and is equipped with a case and wall tamper.

Compatibility

- 1100INT Series Wireless Receivers Version 700 and Higher
- 1100INT Series Wireless Transmitters Version 700 and Higher
- XR150INT/XR550INT Series Panels Version 693 and Higher

What is Included?

- One 1100XINT Receiver
- Hardware Pack



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PROGRAM THE PANEL

Refer to the panel programming guide as needed.

1. Reset the panel.
2. Enter **6653** (PROG).
3. In **SYSTEM OPTIONS**, program a **HOUSE CODE** between 1 and 50. See *House Code Explained* on page 3.
4. At the **1100 ENCRYPTION** prompt, select **ALL** to only add encrypted wireless devices to the system. Select **BOTH** to allow both encrypted and non-encrypted wireless devices to be programmed.
5. The default passphrase appears at the **ENTER PASSPHRASE** prompt. Press **CMD** to keep the default. Press any select key or area to change the passphrase and enter an 8-character hexadecimal string (0-9, A-F).
6. In **ZONE INFORMATION**, enter a zone name and press **CMD**.
7. Select **ZONE TYPE** and press **CMD**.
8. At **NEXT ZN?**, select **NO**.
9. Select **YES** when **WIRELESS?** displays.
10. Enter the eight-digit **SERIAL#** and press **CMD**.
11. Enter the **SUPRVSN TIME** and press **CMD**.
12. At the **NEXT ZN?** prompt, select **YES** to finish programming or select **NO** for additional programming options.

Programming Zones

Refer to the panel XR150INT/XR550INT Series Programming Guide ([LT-1232INT](#)) for complete wireless programming information.

When any wireless input zone for a particular address is programmed, the receiver responds to the panel for this address. Other devices, such as keypads or hardwired zone expanders, cannot use this address. Zones connected directly to the panel cannot be wireless. See Table 1 for designated zone numbers.

ZONE NUMBERS	DESIGNATIONS
400-449	1144INT Wireless Key Fobs
450-479	Slow Response Outputs (15 sec.)
480-499	Fast Response Outputs (1 sec.)
500-599	Wireless Devices (XR150INT)
500-999	Wireless Devices (XR550INT)

Table 1: Zone Number Designations

2 SELECT A LOCATION

The receiver's mounting location should be centrally located between the 1100INT Series transmitters used in the installation. The receiver can be extended up to 152.4 meters from the panel using 22 AWG or 304.8 meters using 18 AWG. Mount the receiver away from large metal objects. Do not use shielded wire between the panel and receiver.

LED Survey Operation for 1100INT Series Transmitters

1100INT Series transmitters provide a survey operation that allows one person to confirm communication with the wireless receiver or panel while the cover is removed. Follow the directions below to test communication of the wireless transmitters:

1. Remove the transmitter's cover.
 2. Hold the transmitter in the exact desired location.
 3. Press the tamper to send data to the wireless receiver and determine if communication is confirmed or faulty.
- ✓ **Confirmed:** If communication is confirmed, the survey LED turns on when data is sent to the wireless receiver and off when acknowledgment is received.
- ✗ **Faulty:** If communication is faulty, the LED remains on for several seconds or flashes multiple times in quick succession. Relocate the transmitter or the wireless receiver until the LED confirms clear communication. Proper communication between the transmitter and wireless receiver is verified when each press or release of the tamper switch, the transmitter's LED blinks immediately on and immediately off.

3 MOUNT THE 1100XINT RECEIVER

The receiver is equipped with a case and wall tamper. When the housing cover is removed, the case tamper activates and the receiver sends a tamper trouble to the panel. To enable the tamper, see the following steps.

A two-position header is provided to disable the wall tamper. To disable the wall tamper, place the jumper across the two pins of the header.

1. With the cover already removed, remove the PCB from the housing to access the tamper and mounting holes.
2. Mount the receiver on a flat surface using the supplied screws. See Figure 2 for mounting hole locations.
3. Use one of the provided screws to anchor the housing in the wall tamper screw hole.
4. Snap the PCB back into the housing attached to the wall. Observe LED operation.

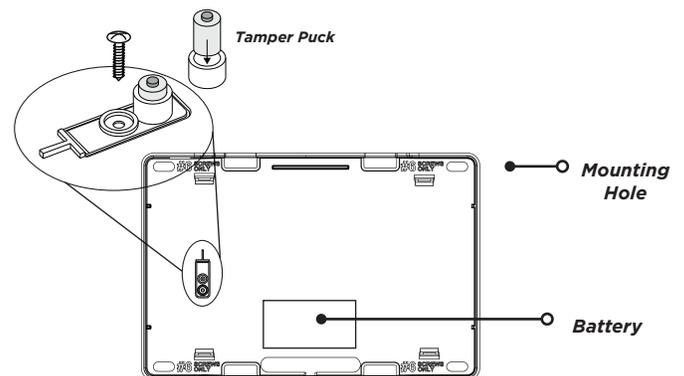


Figure 2: Inside of the 1100XINT Housing

4 POWER THE 1100XINT RECEIVER

Connect the red, yellow, green, and black wires to the screw terminals on the receiver and connect the other ends of the harness to the **XBUS** terminal on the panel. See Figure 3.

Note: The receiver can't operate if it's connected to the keypad bus.

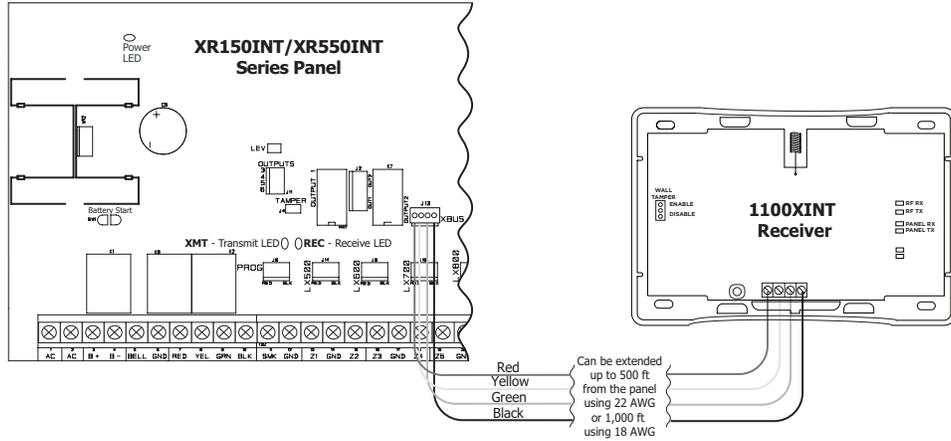


Figure 3: Wiring The 1100XINT to the Panel

ADDITIONAL INFORMATION

1100XINT LED Operation

The six labeled LEDs on the 1100XINT PCB display wireless receiver operation and activity. See Table 2 for LED indications.

Note: The status LED light will remain solid red when wireless jamming is enabled or if there is a large amount of RF activity in the vicinity of the receiver.

LED	INDICATIONS
RF RX	Flashes yellow to indicate data is being received from a transmitter.
RF TX	Flashes green to indicate data is being sent to a transmitter.
PANEL RX	Flashes yellow to indicate data is being received from a panel.
PANEL TX	Flashes green to indicate data is being sent to the panel.
STATUS	Solid red to indicate memory is being uploaded. Turns off when complete.
PWR	Solid green to indicate there is power to the wireless receiver.

Table 2: 1100XINT LED Indications

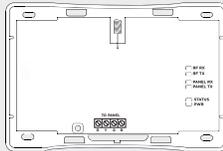
House Code Explained

The house code identifies the panel, receiver, and transmitters to each other. The receiver automatically sends the specified house code to wireless transmitters when transmitter serial numbers are programmed into the panel. The receiver only listens for transmissions using the specified house code or the programmed transmitters' serial numbers.

1100XINT WIRELESS RECEIVER

Specifications

Security Grade	2 Type B ACE
Environmental Class	II
Operating Temperature	0°C - 49°C
Relative Humidity	80%
Weight	.23 kg
Operating Voltage	8.0 to 14.0 VDC
Current Draw	25 mA (average), 35 mA (peak)
Frequency Range	863-869 MHz
Housing Material	Flame retardant ABS
Dimensions	11.8 cm L x 7.9 cm W x 3.6 cm H 21.8 H cm
Color	White



Patents

U. S. Patent No. 7,239,236

International Certificates

Intertek (ETL)



EN 50130-4:2011	EMC - Product Family Standard. Immunity Requirements for Components of Fire, Intruder, and Social Alarm Systems
EN 50130-5:2011	Alarm Systems. Environmental Test Methods
EN 50131-1:2006+A1;A2	Alarm Systems. Intrusion and Hold-up Systems. System Requirements
EN 50131-3:2009	Alarm Systems. Intrusion and Hold-up Systems. Control and Indicating Equipment
EN 50131-5-3:2017	Alarm Systems. Intrusion systems. Requirements for Interconnections Equipment using Radio Frequency Techniques
EN 61000-3-2:2009+A1;A2	Limits - Limits for Harmonic Current Emissions (Equipment Input Current less than or equal to 16 A per Phase)
EN 61000-3-3:2013	Limits - Limitation of Voltage Changes, Voltage Fluctuations and Flicker in Public Low-Voltage Supply Systems, for Equipment With Rather Current less than or equal to 16 A per Phase and Not Subject to Conditional Connection
EN 61000-6-4:2018	Generic Standard - Emission Standard for Industrial Environments



Designed, engineered, and manufactured in Springfield, MO using U.S. and global components.

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