

# 1100XINT WIRELESS RECEIVER

## Installation Guide

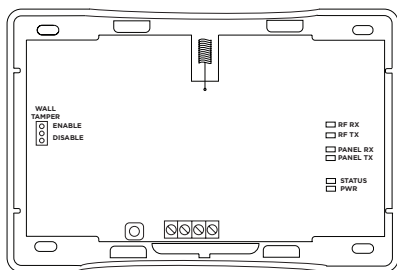


Figure 1: 1100XINT Wireless Receiver

### DESCRIPTION

The 1100XINT Wireless Receiver provides up to 100 wireless zones for 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

All DMP 1100INT Series Wireless Receivers and existing wireless transmitters running Version 700 and higher XR150INT/XR550INT Series Panels Version 693 and higher

### What is Included?

- 1100XINT Wireless Receiver
- Hardware Pack



# 1

## PROGRAM THE PANEL

Refer to the panel programming guide as needed.

1. Reset the panel.
2. At a keypad, enter **665 (PRO)** to access the **PROGRAMMER** menu.
3. In **SYSTEM OPTIONS**, program a **HOUSE CODE** between 1 and 50. See House Code Explained for more information.
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 **ENTER PASSPHRASE**. 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 the **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 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 between the 1100INT Series transmitters used in the installation. The receiver can be extended up to 500 ft from the panel using 22 AWG or 1,000 ft 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 that each transmitter is communicating with the wireless receiver or panel to easily determine the best location for the transmitters and the wireless receiver. 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 for each press or release of the tamper switch, the transmitter's LED blinks immediately on and immediately off.

## 3 MOUNT THE 1100XINT

The receiver is equipped with a case and wall tamper. When the housing cover is removed, the case tamper activates and the repeater sends a tamper trouble to the panel.

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 repeater 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.

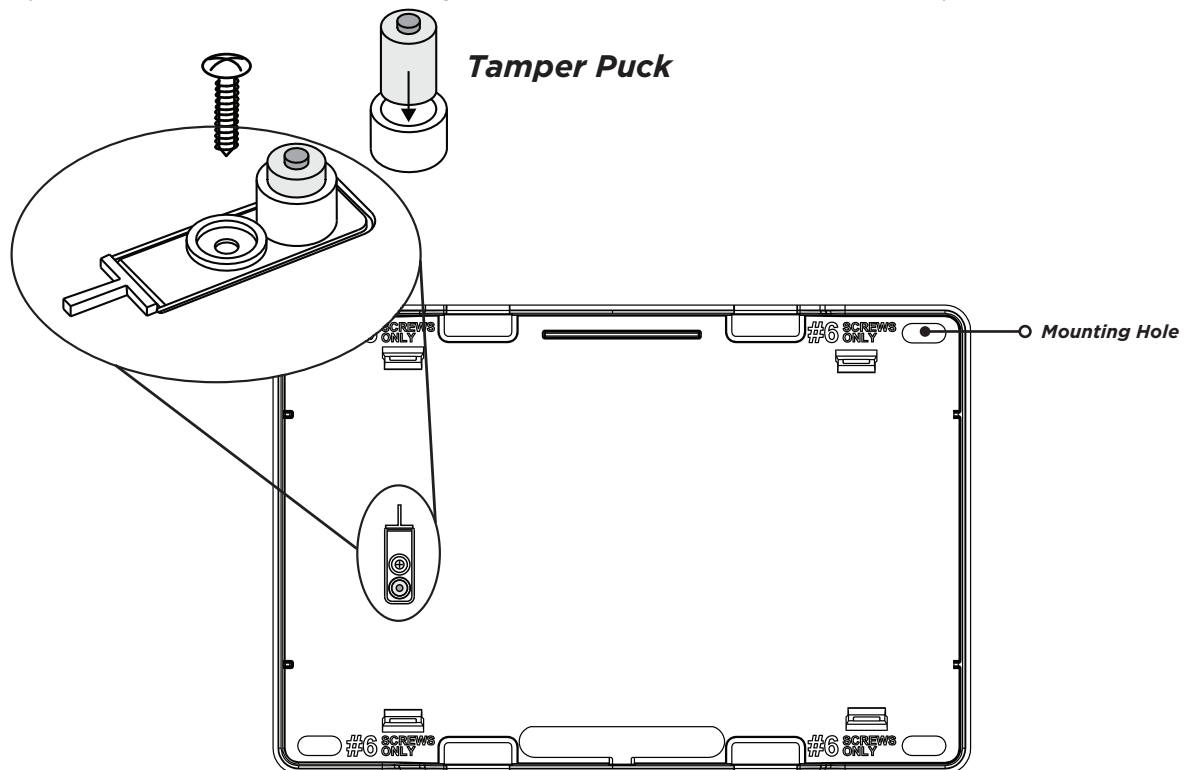


Figure 2: Inside of the 1100XINT Housing

# 4 WIRE THE 1100XINT

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

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

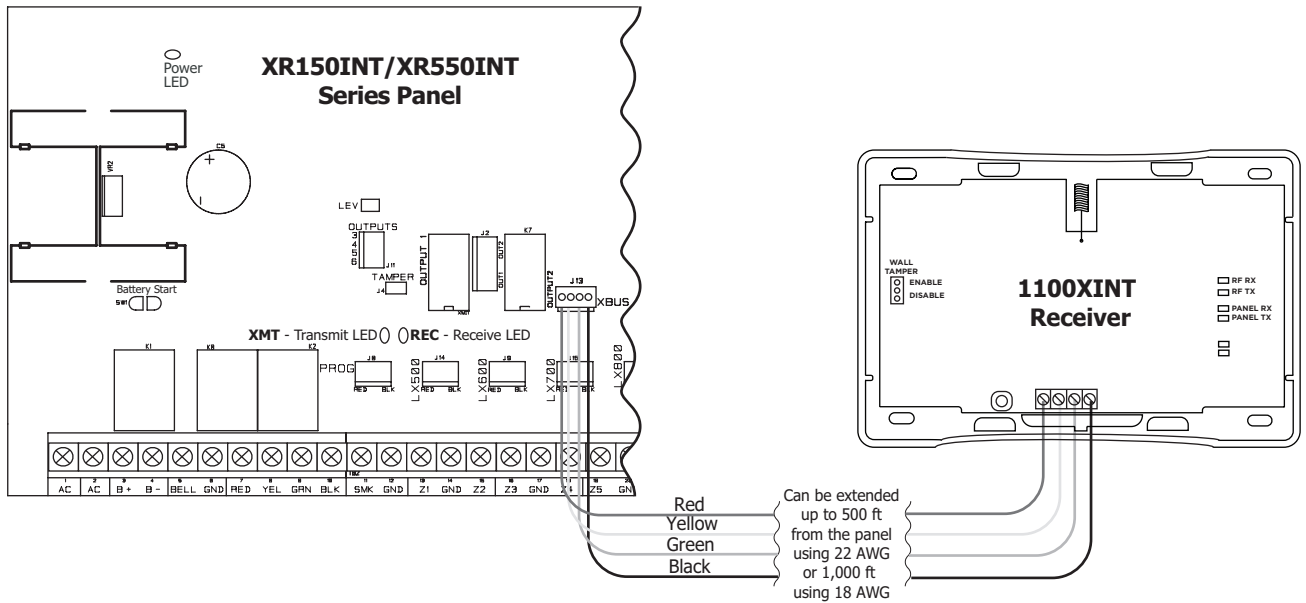


Figure 3: Wiring The Receiver to the Panel

## ADDITIONAL INFORMATION

### 1100XINT LED Operation

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

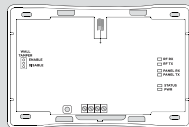
| LED      | INDICATIONS  |
|----------|--|
| RF RX    | Flashes yellow to indicate data is being received from a transmitter.    |
| RF TX    | Flashes green to indicate data is being sent to a transmitter.           |
| PANEL RX | Flashes yellow to indicate data is being received from a panel.          |
| 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: 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<br>32°F - 120°F   |
| 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            | 4.65" L x 3.1" W x 1.4" H<br>11.8 L x 7.9 W x 3.6 H cm<br>8.6" 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 Rated 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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