

## 1100 Receiver

### Description

The 1100 Receiver provides 500 wireless zones for DMP Command Processor™ panels. The receiver and housing easily mount near the panel enclosure or in a remote location. Providing a wide reception range, a fast scan time of available frequencies, and two-way communication with transmitters, the 1100 Receiver is a simple and robust solution to problematic hardwired systems. The 1100 Receiver is compatible with all DMP 1100 series devices.

### Compatibility

The 1100 Receiver is compatible with the following panels.

- XR500
- XRSuper6
- XR20
- XR40

### Installing the 1100 Receiver

#### Mounting in a Remote Location

Choose an optimum location to mount the receiver. Be sure to install the receiver no more than 1,000 feet from the panel. Remove the cover from the plastic casing. Secure the casing back and printed circuit board (PCB) to the wall in the desired location using the supplied screws. Snap the cover back on the unit.

**FCC Note:** The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons. It must not be co-located or operated in conjunction with any other antenna or transmitter.

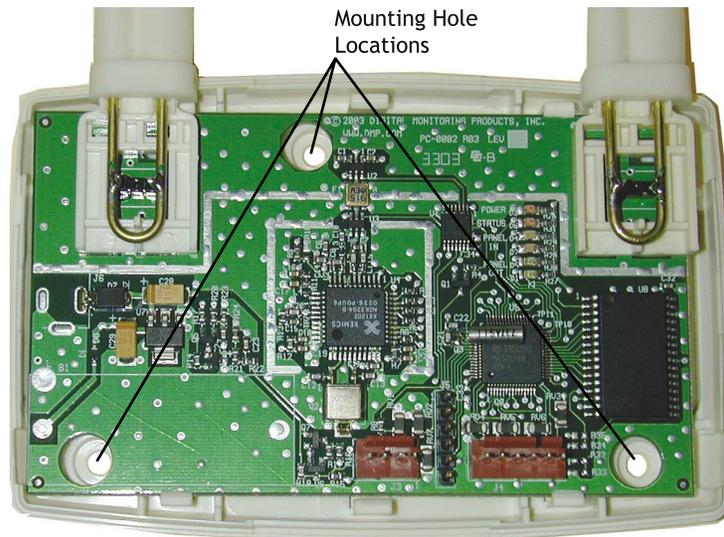


Figure 1: Receiver PCB and back case

### Wiring

The 1100 Receiver easily interfaces with the XRSuper6, XR20, or XR40 Command Processor™ panels using the keypad bus. On the XR500 Command Processor™ panel set J23 for wireless operation and connect the 4-wire harness to J22.

## Keypad Bus Wiring

Connect the 4-wire harness from the 1100 Receiver to the keypad bus terminals 7, 8, 9, and 10. Connect the other end of the 4-wire harness to J3 on the 1100 receiver PCB. Figure 2 shows a sample XRSuper6/XR20/XR40 panel keypad bus terminal wired to the 1100 Receiver.

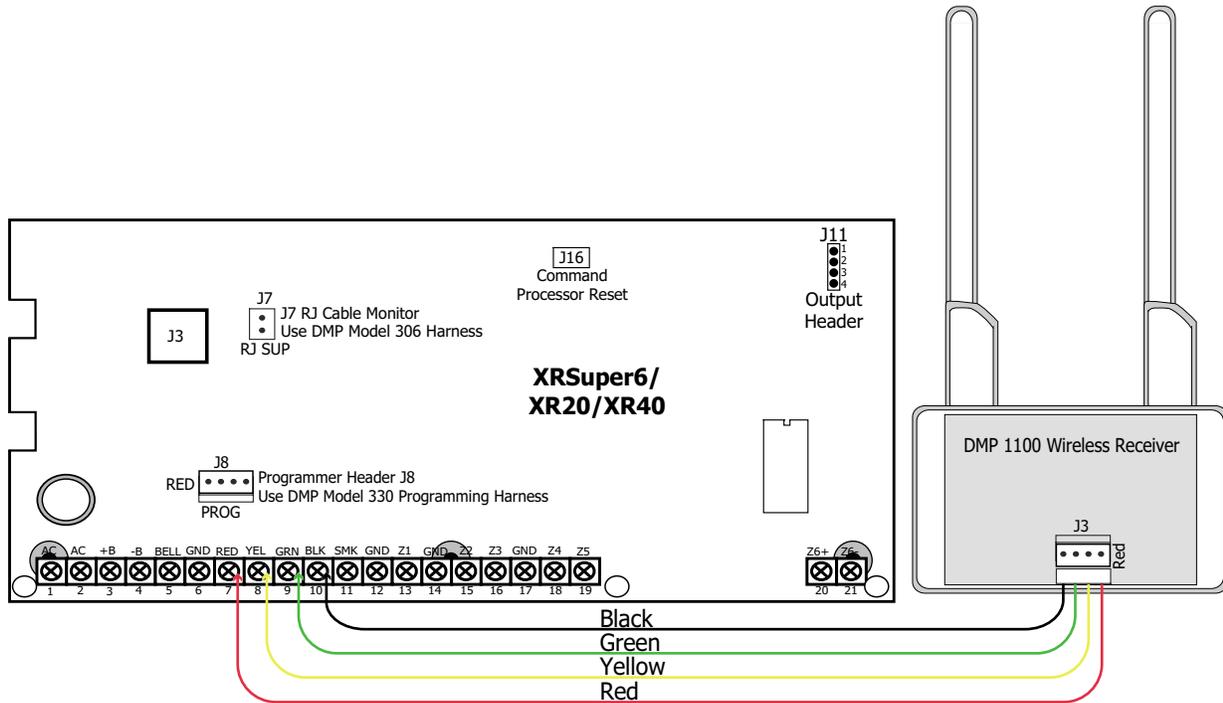


Figure 2: XRSuper6/XR20/XR40 keypad bus wiring

## XR500 Panel Wireless Wiring

To enable XR500 Wireless operation install a jumper on the J23 6-pin header lower position next to the letter "X". Reset the panel using J16 jumper to activate wireless operation. Use a standard 4-wire harness to connect to Jumper J22 on the XR500 control panel. Connect the other end of the 4-wire harness to J3 on the 1100 Receiver PCB. If the XR500 J23 is set for RS-232 or LX-Bus operation, selecting wireless operation disables the previously selected option. RS-232 or LX-Bus operation must be transferred to an interface card connected to J6 Interface Card Expansion Connector.

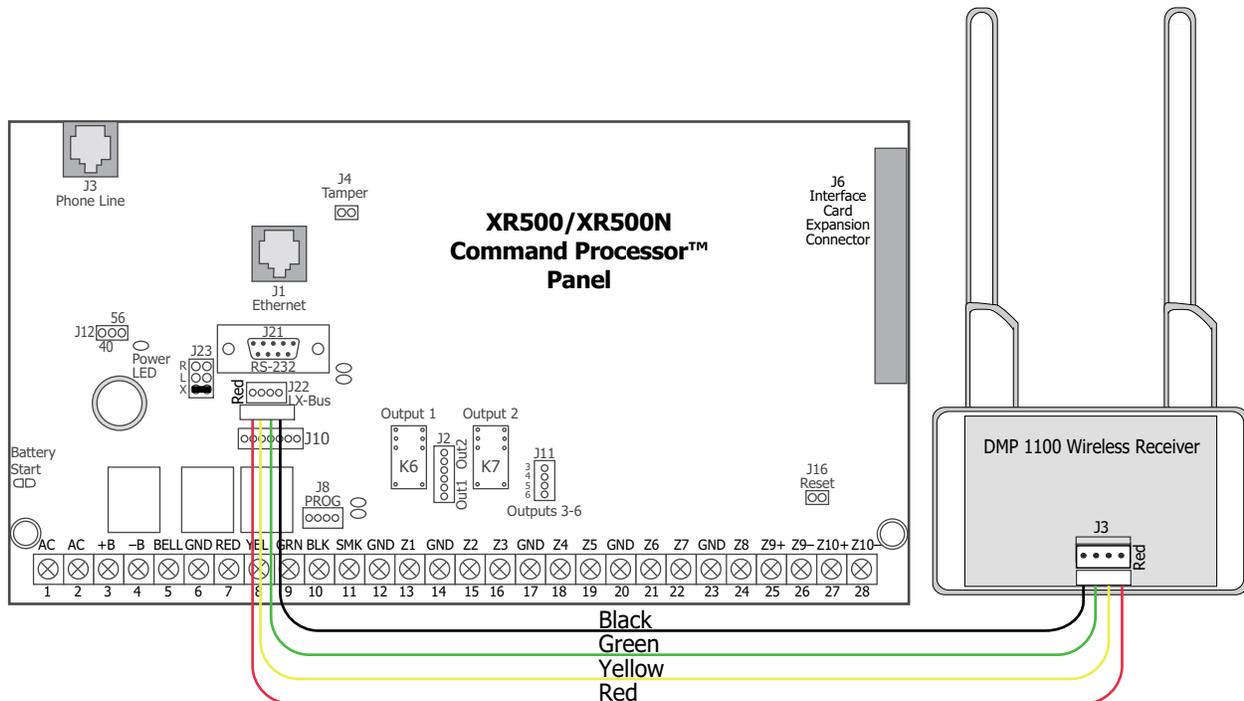


Figure 3: XR500 wireless wiring

## Programming the Panel

Before operating the 1100 Receiver, you must program the panel to recognize the 1100 Receiver. Enter panel programming and press the COMMAND key to display **Wireless Options**. Program the 1100 Receiver and keyfobs in this portion of panel programming.

WIRELESS OPTIONS

### Wireless Options

Press the COMMAND key until Wireless Options displays. Press any top row Select Key to enter Wireless Options programming.

RECEIVER ID:

### Receiver Identification

Ensure the XR500 panel is set for wireless operation. Refer to XR500 Panel Wireless Wiring on the previous page. The panel senses and automatically displays the receiver identification number. Press the COMMAND key to accept the Receiver ID and display the check-in time prompt.

CHECKIN:       **30**  
30   60   120   180

### Check-in Time

The 1100 Receiver tells the 1101 Transmitter how long the transmitter waits before checking in with the Receiver. Select the number of seconds the 1100 Receiver sends to the transmitter to indicate the Check-in Time. Press any Select Key to change the Check-in Time. Enter the number of seconds for the transmitter to wait. The default is **30** seconds. Press the COMMAND key to accept the Check-in Time and display the keyfobs programming prompt.

KEYFOB 1

### Keyfob 1

Use the following prompts to program up to four keyfobs to use with this receiver. Press any Select Key to enter Keyfob 1 Programming.

SERIAL NO:

### Serial Number

Enter the keyfob serial number located on the casing back. Each keyfob has a unique serial number. Do not lose the serial number. Do not use the same serial number for more than one keyfob. Press the Back Arrow key to make corrections. Press the COMMAND key to accept the serial number and display the Output Number option.

OUTPUT NO: 0

### Output Number

The fourth button on the keyfob is programmed to trip an output. Enter the output number that this keyfob trips when pressed. For example, the output number could be the output that controls the garage door opener. Press the Back Arrow key to make corrections. Press the COMMAND key to accept the output number and begin programming the next keyfob. After programming all keyfobs, press the COMMAND key to exit Wireless Options programming.

**Note:** These prompts repeat for Keyfob 2, Keyfob 3, and Keyfob 4. Repeat these programming options for each keyfob used in the system.

Program transmitters in panel programming **Zone Information**.

## XR500 Programming

After programming Wireless Options and all the keyfobs save the information. Press the COMMAND key until STOP displays. Press any top row Select Key to run the Stop routine. When any panel programming is changed, the Stop routine must run and "SAVING PROGRAM" must displays on the keypad in order to save the programming changes.

## FCC Information

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

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

**NOTE:** 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 in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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