

570 Easy Entry™ Receiver and 575 Transmitter

Description

The Model 570 Easy Entry™ RF Series Receivers and Model 575 Key Ring Transmitters are used to remotely open or close a garage door and arm or disarm DMP XRSuper6, XR20, and XR40 Command Processor™ Panels. For a quick and simple installation, the 570 Receiver connects to the panel keypad bus. The Model 575 Transmitter provides buttons to arm or disarm the panel, activate a garage door, and provides a panic button for emergencies. Every time a button is pressed, the transmitter sends one of four billion randomly changing codes that ensure state-of-the-art anti-scanning security. The 570 Receiver includes a push-button and LED for easy programming and a wire harness for easy installation. In addition, a high intensity LED on a mounting plate is included for a visual indication of the panel armed status.



Figure 1: Status LED, Transmitter, Receiver

Wiring the Receiver

Connect the 570 Receiver harness Red, Yellow, Green, and Black wires to the panel keypad bus. The panel connections are marked RED (7), YEL (8), GRN (9), and BLK (10) and correspond to the same color wires as the receiver harness. See Figures 2 and 3.

Note: To program the 570 Receiver, use any LCD keypad, such as Models 690/790, 693/793, any 7000 Series Thinline or Aqualite™. Do not use VFD keypads, such as Models 770 or 771. Also note that only one keypad and NO other devices may be connected to the keypad bus when programming the 570 Receiver. The keypad must be set to Address 1 when programming.

Garage Door

All garage door openers have a wall-mounted, push-button switch that activates the door through a 2-wire connection. These two wires connect the push-button switch to the garage door motor. The 2 Amp relay output provided from the receiver is turned on or off using the middle button on the 575 Key Ring Transmitter. Connect the Red/White (N/O) and White (common) wires of the 570 Receiver harness in parallel with the existing push-button switch wires or to the garage door motor. When connecting at the garage door motor, trace the wires from the push-button switch to the motor to determine the correct connection. Most garage door motors use terminals #1 and #2, except MOM Crusader models, which use terminals #2 and #3.

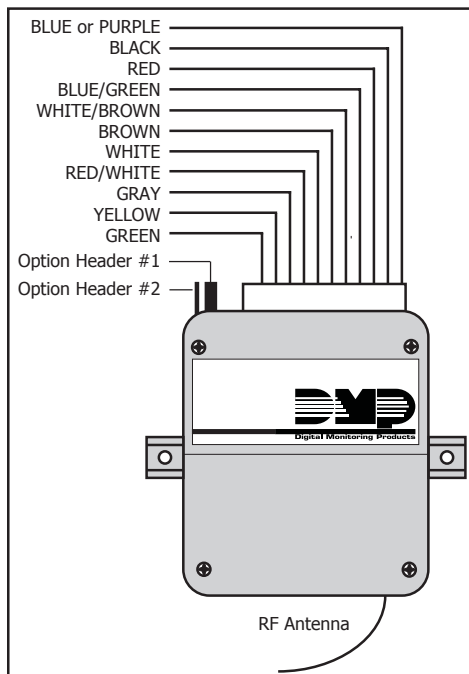


Figure 2: Model 570 RF Receiver

Receiver Harness Wiring		
Wire Color	Description	Connection
Blue or Purple*	Switched ground (-) Output	Armed Status LED (Black wire)
Black	Ground	panel - Black (10)
Red	+12 VDC	panel - Red (7)
Blue/Green	Optional Relay N/C	Optional Accessories
White/Brown	Optional Relay N/O	Optional Accessories
Brown	Optional Relay Common	Optional Accessories
White	Garage Door Relay Common	Garage Door Switch
Red/White	Garage Door Relay N/O	Garage Door Switch
Gray	Switched Ground (-) Output	Garage Door Timed Output
Yellow	Data Transmit to panel	panel - Yellow (8)
Green	Data Receive from panel	panel - Green (9)

***Note:** The 570 receiver harness may include either a Blue or Purple wire for this connection.

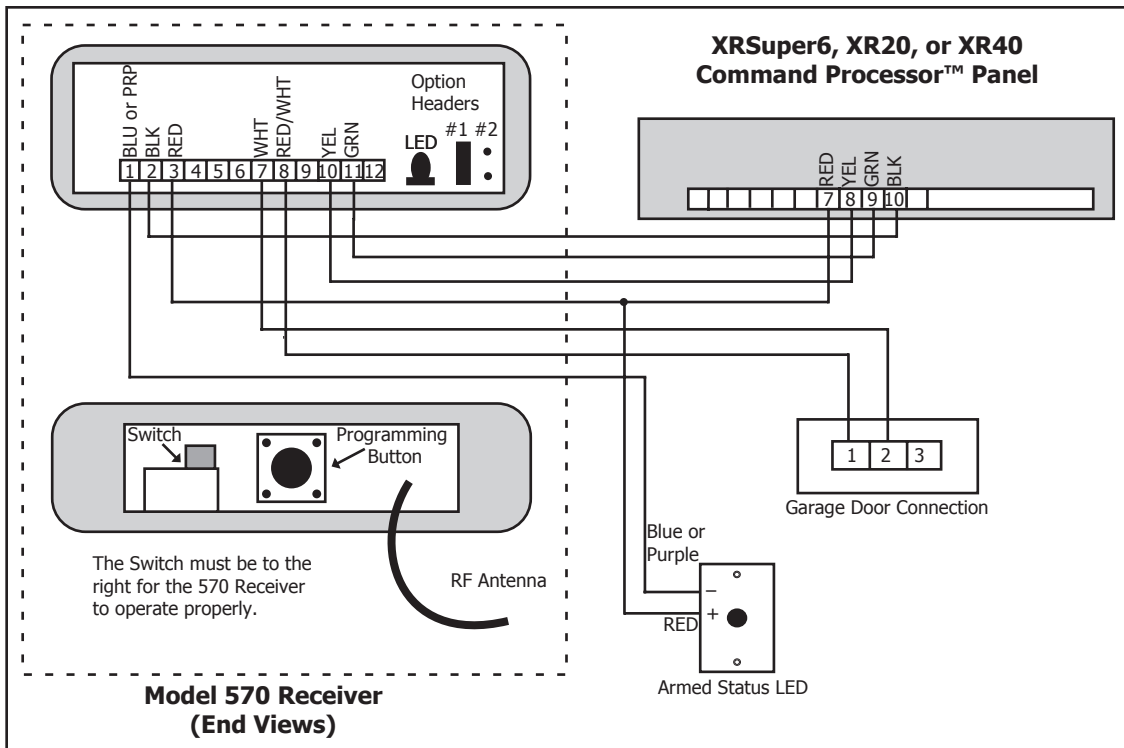


Figure 3: Wiring Diagram

Armed Status LED

Mount the included mounting plate and Armed Status LED in a location such as the garage or the front door where visual indicator of the panel armed status can easily be seen.

The Armed Status LED includes a Purple wire negative and Red wire (+12 VDC) for installation. Connect the Status LED Purple wire negative to the 570 Receiver harness Blue or Purple wire. Connect the Armed Status LED Red or Purple wire to the panel terminal 7. See Figure 3.

The Armed Status LED operates as shown:

LED	System Status
Slow Blinking	Exit Delay
On	Armed
Off	Disarmed
Fast Blinking	Alarm

Optional Accessory Relay

When the panic button operation is not enabled (see **Operating the Key Ring Transmitter**), a relay is provided for optional accessories control such as Malibu lighting, sprinklers, or X-10 automation. The output provided from the receiver is a 2 Amp form C relay and turns On or Off using the bottom button on the 575 Key Ring Transmitter. The Brown wire is the relay common, the Blue/Green wire is the N/C contact, and the White/Brown wire is the N/O contact.

Garage Door Timed Output

A switched negative ground output, rated at 500mA, is provided on the receiver Gray wire and turns on for three minutes every time the transmitter middle button is pressed. This output is available to trigger additional lighting that may be desired when the garage door is opened or closed.

Programming the Receiver

Note: When programming the 570 Receiver, only one keypad and NO other devices can be connected to the keypad bus. When you finish programming, you may then connect any other keypads and devices to the keypad bus.

The 570 RF Series Receiver arms or disarms the panel by sending a 4-digit user code just as if the code was entered at a keypad. The user code must be added to the 570 and must also be programmed into the panel. See the XRSuper6 User's Guide (LT-0622), XR20 User's Guide (LT-0303), and XR40 User's Guide (LT-0494).

Note: You must enter the 4-digit user code into the panel before you can add the user code to the 570. Refer to the panel User's Guide as discussed above.

Add the User Code

The single user code is added by pressing and **holding** the receiver programming button (see Figure 2). The receiver programming LED turns on for three seconds and then turns off. When the LED turns off, release the programming button and the LED flashes indicating user code programming mode is enabled. While the programming LED is flashing, enter the 4-digit user code on the keypad. After the fourth digit is entered, the LED turns off indicating the user code is learned.

Note: Do not have any zone expansion devices connected to the keypad bus when adding the user code.

Add and Delete Key Ring Transmitters

To learn a transmitter, press the receiver programming button **once** to turn the programming LED on steady. While the LED is on, press the key ring transmitter top button three times. The LED turns off indicating the transmitter has been learned. Up to seven transmitters can be learned. The eighth transmitter learned overwrites the first transmitter learned.

To delete a transmitter from the receiver, **all** transmitters will be deleted. Press and hold the receiver programming button for seven seconds. During this time, the programming LED pulses on, off, and on again. After the LED turns on the second time, the receiver memory is cleared and **all** transmitters are deleted.

Set Option Header #1: Panic or Relay

When the receiver jumper is installed on option header #1 (see Figures 1 and 2), the key ring transmitter bottom button operates as a Panic button. This is equivalent to pressing the badge panic keys on a DMP keypad.

Set Option Header #2: Relay Momentary or Toggle

When the receiver jumper is **not** installed on option header #1, the key ring transmitter bottom button operates the optional receiver accessory relay. The relay operation is determined by receiver option header #2.

When the jumper is installed on option header #2, pressing the transmitter bottom button causes the relay to turn on for one second and then turn off. Each press causes the relay to turn on and then off.

When the jumper is **not** installed on option header #2, pressing the transmitter bottom button causes the relay COMMON to toggle to the N/O or N/C contact. Each press causes the relay to change state.

Operating the Key Ring Transmitter

The Model 575 Key Ring Transmitter provides three buttons for operation. The small LED on the transmitter lights any time a button is pressed.

Transmitter Button	Operation
Top	Alarm On/Off/Perimeter
Middle	Garage Door OPEN/CLOSE
Bottom	PANIC or Optional Accessories

Top Button

Arming and Disarming the System

Pressing the 575 Key Ring Transmitter top button sends the 4-digit user code to the panel. This code arms or disarms all panel areas. The Armed Status LED lights indicating an armed status. Pressing the top button again disarms the system.

Pressing the top button for more than three seconds arms the perimeter protection only. Pressing the top button again disarms the system.

Middle Button

Garage Door

The timed output can be used to trigger additional accessories such as driveway, porch, or Malibu lighting. Pressing the key ring transmitter middle button activates the garage door.

Bottom Button

The key ring transmitter bottom button may be set up to send either a panic signal or turn optional accessories on or off.

Panic Button


Pressing the bottom button for more than three seconds sends the Panic signal. This is equivalent to pressing the Badge Panic keys on a keypad.

Optional Accessories

Pressing the bottom button on the transmitter causes the optional accessories to turn on or off.

Central Station Reporting

When the key ring transmitter bottom button is programmed as a Panic Button, pressing the button for three or more seconds sends the panic signal to the central station. The panic displays at the central station receiver as Zone 19 Address 8.

Specifications Remote Transmitter Range 150 Feet Battery Type 23A 12 VDC Mini (replace yearly) Frequency 303 MHz Temperature Range 32° F to 120° F Dimensions 2.25" H x 1.5" W x 0.5" D	Receiver Current Draw Power 12 VDC from panel Standby 20mA Frequency 303 MHz Temperature Range -5° F to 160° F Dimensions 3" H x 3.5" W x 1.125" D	
	Garage Door/Optional Accessory Relay Contacts 2 Amps	
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