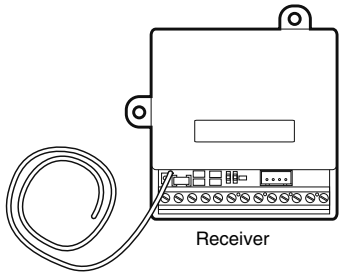
CHAMBERLAIN
LiftMaster
PROFESSIONAL

Model ULTRX900R
Ultra RX - Extreme Range Receiver

Overview

The Ultra RX - Extreme Range Receiver has a 10-24Vac/Vdc operation with low power consumption (150 ua). The Receiver has 4 Channels, 2 Transistors and 2 Relays. The Receiver can control up to 4 devices.

Carton Inventory



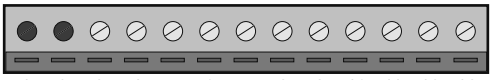
Setup

NOTE: *Do not connect power until instructed to do so.*

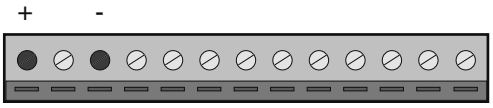
Power Connections

10-24 Vac

NOTE: *Polarity does not matter.*



10-24 Vdc



Relay Outputs

The Receiver has 2 Relays and 2 Transistor (Open Collector) Outputs to control up to 4 devices. Higher Amperage (10 amp) applications that are directly controlled, should use Relay Channels 1 and 2.

Relay 1:
11: Common
12: Ch 1 Normal Open
13: Ch 1 Normal Closed

Relay 2:
8: Common
9: Ch 2 Normal Open
10: Ch 2 Normal Closed

Lower Amperage (500 ma or lower) applications that are indirectly controlled, should use Transistor Output Channels 3 and 4.

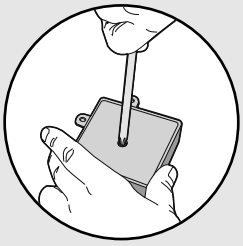
Channel 3:
Terminal 6

Channel 4:
Terminal 4

NOTE: *If using the Receiver with a Gate Control Unit (GCU) proceed to* Program with Gate Control Unit (GCU).

Dipswitch Settings

NOTE: *The Dipswitches on the Receiver can be accessed by removing the screw on the bottom of the Receiver.*



Ensure the Receiver does not have power. Set Dipswitch #1 to the ON position.

Additional Receivers

NOTE: *These steps apply only if more than one Receiver is being used.*

Step 1: Ensure the Receiver does not have power. Set Dipswitch #1 to the ON position in each Receiver.

Step 2: Set the Identity of each additional Receiver by changing the Dipswitches as shown in the chart below.

Receiver ID	Switch #2	Switch #3
2	ON	OFF
3	OFF	ON
4	ON	ON

Output Timing

Channel 1:

Dipswitch #4	Dipswitch #5	Time
OFF	OFF	0.5 Sec
ON	OFF	5 Sec
OFF	ON	1 Min
ON	ON	Toggle

Channel 2:

Dipswitch #6	Dipswitch #7	Time
OFF	OFF	0.5 Sec
ON	OFF	5 Sec
OFF	ON	1 Min
ON	ON	Toggle

Program

NOTE: *If the Receiver will be programmed with a GCU or an accessory proceed to* Program with GCU *or* Program Accessories.
The following steps apply only if the Receiver will be used by itself.

Step 1: Ensure the Receiver does not have power and Dipswitch #1 is set to the OFF position.
NOTE: *If Receiver is in this Mode, there can be no other 900 Mhz units in the network.*

Step 2: Connect power (as shown in *Setup: Power Connections*).

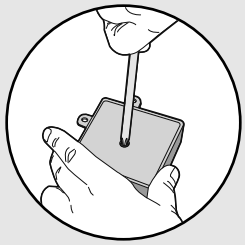
Step 3: Within 15 seconds, press and hold a button on a remote control transmitter. The receiver will buzz indicating programming is successful.

Additional Remote Control Transmitters:
To program additional remote control transmitters, repeat Step 3 above with each remote control transmitter (within 10 seconds of each other) or repeat Steps 1-3.

When all the remote control transmitters have been programmed, wait 15 seconds for the Receiver to leave Learn Mode. The Receiver will buzz twice indicating it is ready for use.

Program with Gate Control Unit (GCU)

NOTE: *The Dipswitches on the Receiver can be accessed by removing the screw on the bottom of the Receiver.*



Output Timing

Channel 1:

Dipswitch #4	Dipswitch #5	Time
OFF	OFF	0.5 Sec
ON	OFF	5 Sec
OFF	ON	1 Min
ON	ON	Toggle

Channel 2:

Dipswitch #6	Dipswitch #7	Time
OFF	OFF	0.5 Sec
ON	OFF	5 Sec
OFF	ON	1 Min
ON	ON	Toggle

Channel 3:

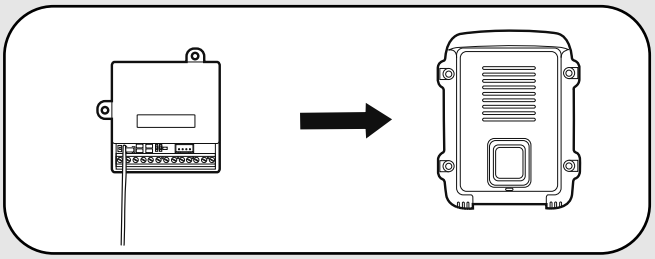
Dipswitch #2	Dipswitch #3	Time
OFF	OFF	0.5 Sec
ON	OFF	5 Sec
OFF	ON	1 Min
ON	ON	Toggle

Channel 4:

Dipswitch #8	Time
OFF	0.5 Sec
ON	5 Sec

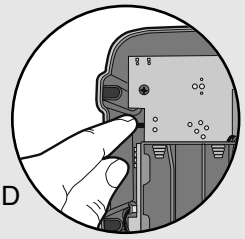
Program Accessories

Single Pushbutton Control (WPB1LM)



Step 1: Connect relays (as shown in *Setup: Relay Outputs*).

Step 2: Connect power (as shown in *Setup: Power Connections*).

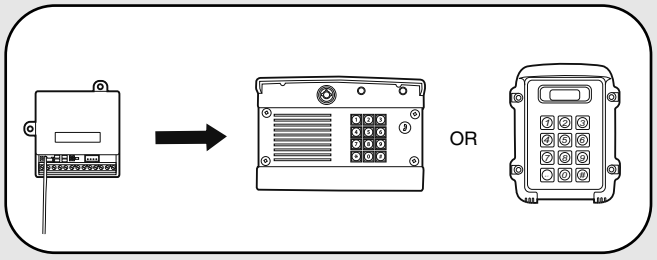


Step 3: Press and Release the Learn button on the Pushbutton Control.

The Receiver will buzz and the LED will blink 3 times indicating programming is successful.
If the memory in the Pushbutton Control needs to be cleared, press the Learn button until a tone is heard.

Refer to the Pushbutton Control manual for mounting and operating instructions.

Gate Access Panel (GAPLM)/Keypad



Step 1: Connect relays (as shown in *Setup: Relay Outputs*).

Step 2: Connect power (as shown in *Setup: Power Connections*).

Step 3: On the GAPLM or Keypad, enter Master PIN Number, followed by the Receiver Identity (1-4) as determined in *Setup: Additional Receivers*.

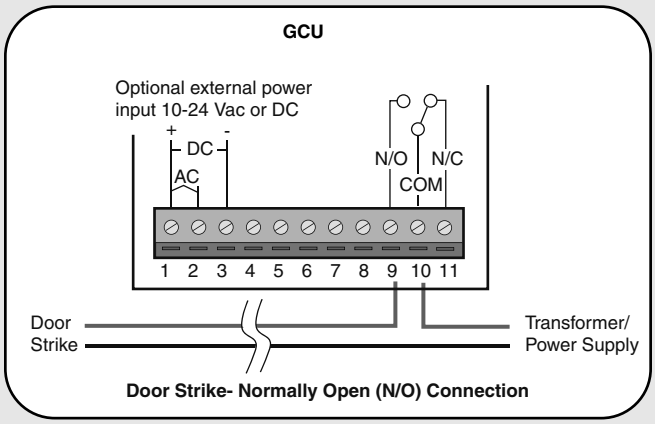
The Receiver will buzz and the LED will blink 3 times indicating programming is successful.

Refer to the GAPLM/Keypad manual for mounting and operating instructions.

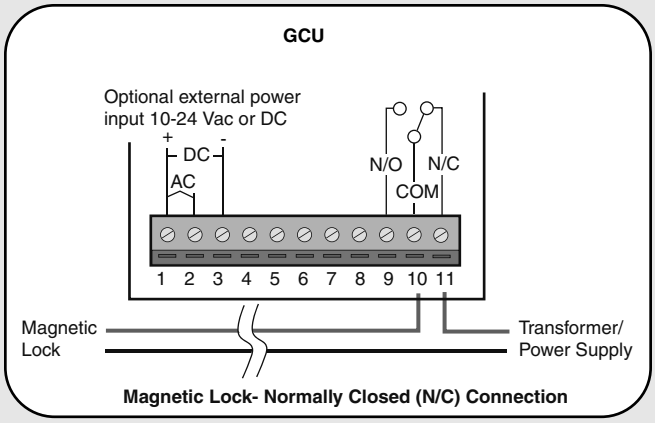
Door Strike or Magnetic Lock

Step 1: Connect relays (as shown in *Setup: Relay Outputs* and the charts below).

NOTE: *If a Door Strike is used, a separate power supply is required.*
If a Magnetic Lock is used, use the Normally Closed connections (see below).



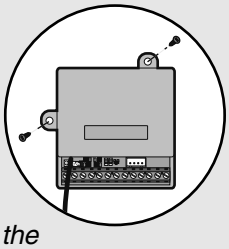
Door Strike- Normally Open (N/O) Connection



Magnetic Lock- Normally Closed (N/C) Connection

Installation

Step 1: Reattach cover with screw.



Step 2: Mount the Receiver with the Terminal Block at the bottom and the antenna hanging straight down.

NOTE: *Metal surfaces can shorten the range of the Receivers. If mounting on a metal surface and long range is required, use a non-metallic spacer to move the Receiver away from the metal surface.*

Operation

GAPLM/Keypad

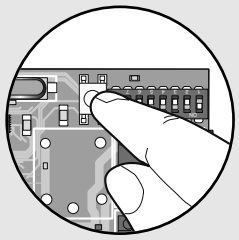
On the GAPLM/Keypad enter any valid PIN Number followed by Identity (1-4).
If the Receiver gets a request a success tone is heard.
If a fail tone is heard, check the batteries in the GAPLM/Keypad or try again.

Single Pushbutton Control (WPB1LM)

Push the button on the Pushbutton Control.
If the Receiver gets a request a success tone is heard.
If a fail tone is heard, check the batteries in the Pushbutton Control or try again.

Clear Memory

When the Receiver has power, press the Learn button until the LED blinks a total of 8 times.



FOR TECHNICAL SUPPORT DIAL OUR TOLL FREE NUMBER:

1-800-528-2806

www.liftmaster.com

NOTICE: To comply with FCC and or Industry Canada rules (IC), adjustment or modifications of this receiver and/or transmitter are prohibited, except for changing the code setting or replacing the battery. THERE ARE NO OTHER USER SERVICEABLE PARTS.

Tested to Comply with FCC Standards FOR HOME OR OFFICE USE. 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.