

RF Wireless Receiver (Model 0020492)

Feature:

Wireless control, easy to install

DC power output, can control Lights, Motors, Fans, electrically operated Doors/Locks/Windows/Blinds/Cars or Other Appliances with DC 6V/ 9V/ 12V/ 24V.

You can turn on/off the receiver with transmitter (remote control) from any place within a reliable distance; the wireless RF signal can pass through walls, floors and doors.

With characteristics of reverse power protection and over current protection

Use an 8-bit microprocessor designed and developed with low-power and high-speed CMOS technology.

Reliable control: The transmitter (Encoding) and the receiver (Decoding) use an 8-bit code.

You can use one transmitter to control several receivers, such as each two buttons on transmitter controls one receiver. They can pair different model transmitters, includes model CV-4 (500M), CV-6 (500M), CV-8 (500M), CV-12 (500M), CV-15(500M), CP-15 (500M), etc... For example, you can use one 4 buttons transmitter CV-4 or CB-4 to control two receivers, use one 6 buttons transmitter CV-6 or CB-6 to control three receivers, use one 8 buttons transmitter CV-8 or CB-8 to control four receivers, use one 12 buttons transmitter CV-12 or CB-12 to control six receivers, etc...

Receiver Parameters:

Model No.: S1XB-DC06 / S1XB-DC09 / S1XB-DC12 / S1XB-DC24

Power Supply (Operating Voltage): DC6V (S1XB-DC06), DC12V±1V (S1XB-DC12), DC9V±1V (S1XB-DC09), DC24V±2V (S1XB-DC24)

Working Frequency: 315MHz / 433MHz

Channel: 1 CH

Control Modes: Toggle, Momentary, Latched

Output: DC6V (S1XB-DC06), DC12V (S1XB-DC12), DC9V (S1XB-DC09), DC24V (S1XB-DC24)

Working Voltage Range of Relay: AC110~240V or DC0~28V

Maximum Working Current of Relay: 10A / each channel

Static Current: ≤6mA

PCB size: 67mm x 50mm x 18mm

Case size: 75mm x 54mm x 27mm

Work with Fixed code transmitters or Learning code transmitters.

If you want to have a further working range, you can install an external antenna to the receiver, such as magnetic mount antenna (model 0020909), which working range is three times as much as it used to be. Or telescopic antenna (model 0020908), which working range is twice as much as it used to be.

Usage (with the transmitter like CV-6):

Connect DC power to terminal "+" and "-".

Setting different control modes (We have set the receiver as Toggle control mode before delivery. If you want to use other control modes, do as following):

1) Setting control mode Toggle: Only connect Jumper-2.

Press button 1: Terminal A&B of receiver 1 outputs DC power.

Press button 1 again: Terminal A&B of receiver 1 no output.

...

Press button 6: Terminal A&B of receiver 6 outputs DC power.

Press button 6 again: Terminal A&B of receiver 6 no output.

2) Setting control mode Momentary: Only connect Jumper-1.

Press and hold button 1: Terminal A&B of receiver 1 outputs DC power.

Release button 1: Terminal A&B of receiver 1 no output.

...

Press and hold button 6: Terminal A&B of receiver 6 outputs DC power.

Release button 6: Terminal A&B of receiver 6 no output.

3) Setting control mode Latched: Do not connect Jumper-1 and Jumper-2.

Press button 1: Terminal A&B of receiver 1 outputs DC power.

Press other buttons: Terminal A&B of receiver 1 no output.

...

Press button 6: Turn on the relay, terminal A&B of receiver 6 outputs DC power.

Press other buttons: Terminal A&B of receiver 6 no output.

How to pair the transmitter to the receiver:

1) Press the button of receiver; signal LED on the receiver keeps shining. The receiver enters into status of LEARNING.

2) Press any one button on remote control. If signal LED flashes quickly 15 times and turns off, it means learning is successful.

3) Press any button on the transmitter; the receiver will learn the corresponding button on the transmitter.

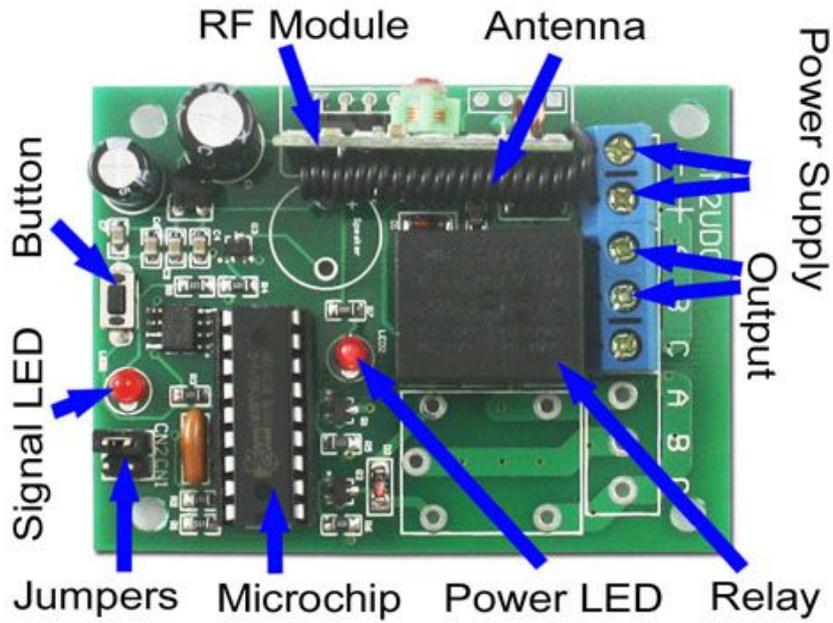
4) When receiver is in the status of LEARNING, press again the button of receiver, signal LED turns off, it means learning process is discontinued.

5) The receiver can learn several remote controls with different codes.

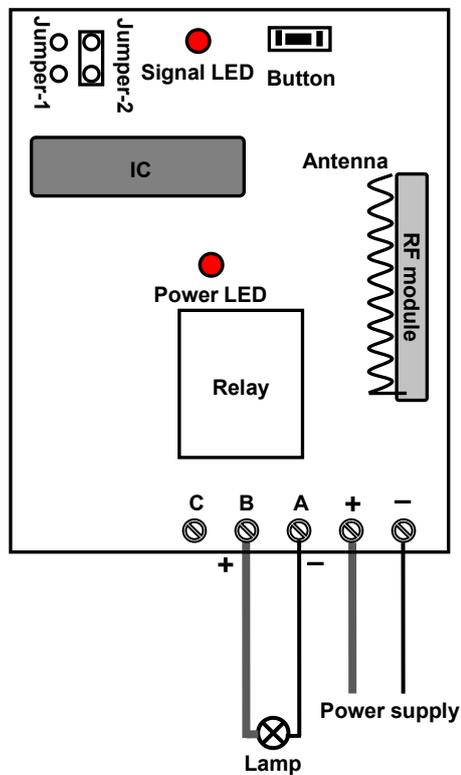
Delete all transmitters:

We have learned remote control to the receiver. If you don't want the receiver to work with the remote control, you can delete all codes of remote controls, which are stored in the receiver.

Operation: Press and hold the button of receiver until signal LED flashes slowly; release the button, LED keeps slow flash. That means all stored codes have been deleted successfully.



Control DC Equipment



4 Buttons 500M RF Radio Remote Control / Transmitter

Product Description:

Model No.: 0021018 (CV-4)

Shell Color: White

Channel/Button: 4

Button Symbol: 1, 2, 3, 4

Operating Voltage: 12V (1 x 23A -12V battery, can be used for 12 months)

Operating Current: 15mA

Operating Frequency: 315Mhz / 433Mhz

Encoding Chip: LX2260A-R4

Encoding Type: Fixed code by soldering, up to 6561 codes

Transmitting Distance: 500m / 1500ft (theoretically)

The distance of 500m is a theoretical data, it shall be operated in an open ground, no barriers, no any interference. But in the practice, it will be hindered by trees, walls or other constructions, and will be exposed to some interference by other signals. Therefore, the actual distance may or may not reach 500m.

If you stretches the telescopic antenna, it can have a further working range, which is twice as much as it used to be.

Modulation Mode: ASK

Operating Temperature: -20 ° C to +70 ° C

Unit Size: 110mm x 50mm x 18mm

Weight: 55g

Uses: garage doors, motorcycles, car alarm products, home security products, wireless remote control products, industrial control products.

How to set up the 8-bits code of the transmitter:

1. Open the transmitter shell, then you will see the circuit board. There are two rows pads and one row of chip feet on the back side.
2. The left row of pads is "L" side, and the right row of pads is "H" side.
3. If solder the middle row of chip feet to the "L" side, it is code 1. If solder the middle row of chip feet to the "H" side, it is code 2. Don't solder to any side, it is code 0.
4. The 8-bits code order is from top to bottom (from D1 to D8).
5. Here is an example, the 8-bits code in the picture is 10021000, solder as the following way:
6. Code 0: don't solder any side, like D2, D3, D6, D7, D8
7. Code 1: solder to the "L" side, like D1 and D5.
8. Code 2: solder to the "H" side, like D4.

