

RF Wireless Remote Control Radio Controller

Package Include:

1 x Receiver: S1X2-DC (1 Channel / Four control Modes)
1 x User manual

Feature:

Wireless control, easy to install

Direct power output control Lights, Motors, Fans, electrically operated Doors/Locks/Windows/Blinds/Cars or Other Appliances.

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

Audible / visual indication

Use an 8-bit microcontroller with low-power and high-speed CMOS technology.

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

One/ several transmitters can control one/ several receivers simultaneously.

If you use two or more receivers in the same place, you can set them with different codes.

It is recommended to use the load within 3A or 50W

Receiver:

Model No.: S1X2-DC

Channel: 1 CH

Power Supply (Operating Voltage): DC 6~36V

Output: DC 6~36V

Working Frequency: 315MHz / 433MHz

Control Modes: Momentary, Latched, Toggle, 10 seconds delay

Coding Type: Fixed code or learning code

Coding Setting: By learning

PCB Size: 27mm x 16mm x 7mm

Static Current: ≤6mA

Maximum Working Current: 3A or 50W

Work with Fixed code transmitters or Learning code transmitters.

Matching Transmitters:

The receiver can work with different transmitters, such as model C-1 / C-2 (100M), CWB-1 / CWB-2 (50M, waterproof), CP-1 / CP-2 (500M), or CB-1 / CB-2 (1000M) etc.

When you set the receiver in toggle or momentary mode, it should work with single button transmitter, such as model C-1 (100M), CWB-1 (50M, waterproof), CP-1 (500M), or CB-1 (1000M) etc. When you set the receiver in latched mode, it should work with two buttons transmitter, such as model C-2 (100M), CWB-2 (50M, waterproof), CP-2 (500M), CV-2 (500M), or CB-2 (1000M) etc.

Working Range:

With a transmitter (such as C-2) to form a complete set, the maximum working distance can reach 100M in an open ground.

The maximum working distance 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 interfered by other wireless signals. Therefore, the actual distance may not reach this maximum working distance.

If you want to have a further working range, you can install an external antenna to the receiver, and you also can use a powerful transmitter, such as CB series transmitters.

Usage (with the transmitter C-2):

The receiver can be used to control DC 6V~36V equipments.

Wiring:

If you want to control a DC lamp, do as following:

- 1) Connect the positive pole of DC power supply to terminal "VCC" of INPUT, and connect the negative pole of DC power supply to terminal "GND" of INPUT.
- 2) Connect the positive pole of lamp to terminal "OUT +" of OUTPUT, and connect the negative pole of lamp to terminal "OUT -" of OUTPUT.

Setting different control modes:

We have set the receiver as Latched mode before delivery. If you want to use other modes, do as following.

- 1) Setting control mode Momentary: connect terminal 3 and 4.

Press and hold button A: output DC power.

Release button A: stop to output.

- 2) Setting control mode Latched: connect terminal 1 and 2.

Press button A: output DC power.

Press button B: stop to output.

3) Setting control mode Toggle: Do not connect
 Press button A: output DC power.
 Press button A again: stop to output.

4) Setting control mode of 10 seconds delay: connect terminal 1 and 2, and connect terminal 3 and 4.
 Press button A: output DC power.
 After 10 seconds delay, stop to output.

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: connect setting terminals until LED on then off; that means all stored codes have been deleted successfully.

Learning the button of remote control:

- 1) Connect setting terminals until LED flashes slowly; disconnect setting terminals, the receiver enters into status of LEARNING.
- 2) Press and hold button 1 on remote control, LED flash once, release button 1; then press and hold button 2 on remote control, LED flash once again; finally, press any one button on remote control. If LED off, it means learning is successful.
- 3) The receiver can learn 12 buttons with different codes.



