

RF Wireless Remote Control Kit (Model 0020694 S8PX-DC12+1CV-8)

Package Include:

1 x Receiver: S8PX-DC12 / S8PX-DC24 (8 Channel / 8 Control Modes)
1 x Transmitter: CV-8
1 x User manual

Feature:

Application: It can be used in industry automation, agriculture automation and home automation, such as factory, house, farm, pasture, vehicle, ship, offshore operation, aerial vehicle, field call, etc. It can remote control equipments on land, water and air, such as remote control lights, sirens, locks, motors, fans, windows, blinds, linear actuators, doors, windows, electric solenoid valves, security alarm, business signs and various devices.

Wireless control, easy to install.

Waterproof: The receiver has waterproof case and waterproof connector, it can be installed outdoors.

Each output has a fuse

DC Power Output: It can control DC equipment with voltage 9V / 12V / 24V.

High Power: Each channel can work at maximum current 30A, such as 360W/12V, 270W/9V, 720W/24V.

Design with low-power and high-speed CMOS technology.

You can turn on/off the receiver with transmitter (remote control) from any place within a reliable distance.

Wireless RF signal can pass through walls, floors, doors or windows.

With reverse power protection and over current protection.

Reliable control: The receiver only works with the transmitter which use same code.

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

You can use two or more units in the same place.

External status LED:

Cable Length: 1m

Correspond with the transmitter buttons

Receiver Parameters:

Model No.: S8PX-DC09 / S8PX-DC12 / S8PX-DC24

Power Supply (Operating Voltage): DC9V±1V (S8PX-DC09), DC12V±1V (S8PX-DC12), DC24V±2V (S8PX-DC24)

Output: DC9V (S8PX-DC09), DC12V (S8PX-DC12), DC24V (S8PX-DC24)

Working Frequency: 315MHz / 433MHz

Channel: 8 CH

Control Modes: Toggle, Momentary, Latched, Toggle + Momentary, Toggle + Latched, Momentary + Latched

Static Current: ≤10mA

Maximum Working Current: 30A / each channel

PCB Size: 230mm x 138mm x 18mm

Case Size: 240mm x 175mm x 50mm

Work with Fixed code transmitters

Transmitter:

Model No.: CV-8

Channel: 8 CH

Remote Control Distance: 500m / 1500ft (theoretically)

Encode: Fixed code by soldering

Unit size: 110mm x 50mm x 18mm

Power Supply: 1 x 23A -12V battery (included, can be used for 12 months)

Matching Transmitters:

The receiver can work with different transmitters, such as model CP-8/CV-8 (500M), or CB-8 (1000M).

Working Range:

With a transmitter (such as CV-8) to form a complete set, the maximum working distance can reach 500M 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 transmitters.

Usage (with the transmitter CV-8):

The receiver can be used to control 9V / 12V / 24V equipments. If the power supply of those equipments is DC 12V, you should choose the receiver with same DC 12V version; and if the power supply of those equipments is DC 24V, you should choose the receiver with same DC 24V version.

Wiring:

If you want to control a DC 12V lamp, do as following:

1) Connect the positive pole of DC power supply to "INPUT + (the big red line)", and connect the negative pole of DC power supply to "INPUT - (black line)".

2) Connect the positive pole of lamp to "OUTPUT +(small line)", and connect the negative pole of lamp to "INPUT - (black line)".

Setting different control modes:

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 operation):

1) Learning Toggle control mode: When the receiver is in the status of LEARNING, press button 1 of the remote control.

Control mode Toggle (Channel 1~8): Press -> On; Press again -> Off.

Press button 1: Turn on relay 1, terminal 1 output DC power.

Press button 1 again: Turn off relay 1, terminal 1 no output.

...

Press button 8: Turn on relay 8, terminal 8 output DC power.

Press button 8 again: Turn off relay 8, terminal 8 no output.

2) Learning Momentary control mode: When the receiver is in the status of LEARNING, press button 2 of the remote control.

Control mode Momentary (Channel 1~8): Press and hold -> On; Release -> Off.

Press and hold button 1: Turn on relay 1, terminal 1 output DC power.

Release button 1: Turn off relay 1, terminal 1 no output.

...

Press and hold button 8: Turn on relay 8, terminal 8 output DC power.

Release button 8: Turn off relay 8, terminal 8 no output.

3) Learning Latched control mode: When the receiver is in the status of LEARNING, press button 3 of the remote control.

Control mode Latched (Channel 1~8): Press -> On, other relays Off; Press other button -> Off.

Press button 1: Turn on relay 1, terminal 1 output DC power. Turn off other relays.

...

Press button 8: Turn on relay 8, terminal 8 output DC power. Turn off other relays.

4) Learning Toggle (Channel 1~4) + Momentary (Channel 5~8) control mode: When the receiver is in the status of LEARNING, press button 4 of the remote control.

5) Learning Toggle (Channel 1~4) + Latched (Channel 5~8) control mode: When the receiver is in the status of LEARNING, press button 5 of the remote control.

6) Learning Momentary (Channel 1~4) + Latched (Channel 5~8) control mode: When the receiver is in the status of LEARNING, press button 6 of the remote control.

7) Learning Latched (Channel 1~4 interlocked; Channel 5~8 interlocked) control mode: When the receiver is in the status of LEARNING, press button 7 of the remote control.

8) Learning Toggle control mode (Channel 1~6) + All On / Off (Channel 7/8): When the receiver is in the status of LEARNING, press button 8 of the remote control.

Press button 7: Turn on all 8 relays, 8 terminals output DC power.

Press button 8: Turn off all 8 relays, 8 terminals no output.

How to pair the transmitter to the receiver:

1) Press the learning button of receiver for 1- 2 seconds; signal LED on the receiver is on. The receiver enters into status of LEARNING.

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

3) When receiver is in the status of LEARNING, press again the button of receiver, signal LED turns off, learning process will be discontinued.

4) 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.



