

RF Wireless Receiver (Model 0020113 S2PXW-DC12-ANT2)

Package Include:

1 x Receiver: S2PXW-DC06-ANT2 / S2PXW-DC09-ANT2 / S2PXW-DC12-ANT2 / S2PXW-DC24-ANT2
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, winches, 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.

DC Power Output: It can control DC equipment with voltage DC 6V / 9V / 12V / 24V.

High Power: Each channel can work at maximum current 30A, such as 360W/12V, 180W/6V, 270W/9V, 720W/24V.

With wired control terminals: You can connect sensors, limit switches, manual switches or external devices to control the receiver.

With the external antenna, it can have a further working range.

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.

Feedback Function:

Can let the user know whether he/she had already connect the transmitter and receiver successfully in such a long distance.

Two-way working mode: When you press the remote control to send RF signal to the receiver, if the receiver has been successfully triggered or operated, the receiver will immediately transmit a RF feedback signal to the remote control. Then the remote control will send out a buzzing sound to inform you that the receiver has been successfully operated.

Receiver Parameters:

Model No. S2PXW-DC06-ANT2 / S2PXW-DC09-ANT2 / S2PXW-DC12-ANT2 / S2PXW-DC24-ANT2

Power Supply (Operating Voltage): DC6V (S2PXW-DC06-ANT2), DC9V±1V (S2PXW-DC09-ANT2), DC12V±1V (S2PXW-DC12-ANT2), DC24V±2V (S2PXW-DC24-ANT2)

Output: DC6V (S2PXW-DC06-ANT2), DC9V±1V (S2PXW-DC09-ANT2), DC12V±1V (S2PXW-DC12-ANT2), DC24V±2V (S2PXW-DC24-ANT2)

Working Frequency: 433.92MHz

Channel: 2 CH

Control Modes: Toggle, Momentary, Latched

Maximum Working Current: 30A / each channel

Static Current: ≤6mA

PCB size: 140mm x 73mm x 18mm

Case size: 192mm x 100mm x 45mm

Work with custom code transmitters.

Matching Transmitters:

This receiver only works with 5000m transmitters, such as model CC-2 / CC-4 (5000M), or CCW-2 / CCW-3 (5000M, waterproof).

When you set the receiver in toggle mode or momentary mode, it should work with two buttons transmitter, such as model CC-2 (5000m), or CCW-2 (5000m, waterproof). When you set the receiver in latched mode, it should work with three / four buttons transmitter, such as model CC-4 (5000m), or CCW-3 (5000m, waterproof).

Working Range:

Super long range, with a transmitter (such as CC-2) to form a complete set, the maximum working distance can reach 5000M 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.

External Magnetic Sucker Antenna:

Frequency Range: 300~450MHz

Impedance: 50Ω

Antenna Length: 15cm

Cable Length: 1.5m, we also can offer longer cable, such as 5meters, 10meters, 30meters.

Anti-interference, waterproof, shielded wire set inside.

Magnetic stand design for easy to install.

Usage:

The receiver can be used to control DC 6V / 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 terminal "L / +" of INPUT, and connect the negative pole of DC power supply to terminal "N / -" of INPUT.
- 2) Connect the positive pole of lamp to terminal "B (+)" of OUTPUT, and connect the negative pole of lamp to terminal "A (-)" of OUTPUT.

Setting different control modes:

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

Setting control mode Toggle (with transmitter CC-2): Turn on the first bit of the dip switch.

Control mode Toggle: Press -> On; Press again -> Off.

Press the first button of the transmitter: Terminal A and B of OUT1 output DC power, the lamp 1 is on.

Press the first button again: Terminal A and B of OUT1 stop outputting, the lamp 1 is off.

Press the second button of the transmitter: Terminal A and B of OUT2 output DC power, the lamp 2 is on.

Press the second button again: Terminal A and B of OUT2 stop outputting, the lamp 2 is off.

Setting control mode Momentary (with transmitter CC-2): Turn on the first and the second bits of the dip switch.

Control mode Momentary: Press and hold -> On; Release -> Off.

Press and hold the first button of the transmitter: Terminal A and B of OUT1 output DC power, the lamp 1 is on.

Release the first button: Terminal A and B of OUT1 stop outputting, the lamp 1 is off.

Press and hold the second button of the transmitter: Terminal A and B of OUT2 output DC power, the lamp 2 is on.

Release the second button: Terminal A and B of OUT2 stop outputting, the lamp 2 is off.

Setting control mode Latched (with transmitter CC-4): Turn on the second bit of the dip switch

Control mode Latched: Press -> On, other relays Off; Press another button -> Off.

Press the button A of the transmitter: Terminal A and B of OUT1 output DC power, the lamp 1 is on;
And Terminal A and B of OUT2 stop outputting, the lamp 2 is off.

Press the button B of the transmitter: Terminal A and B of OUT2 output DC power, the lamp 2 is on;
And Terminal A and B of OUT1 stop outputting, the lamp 1 is off.

Press the button C of the transmitter: Terminal A and B of OUT1 and OUT2 stop outputting, two lamps are off.

Wired control terminals:

The receiver has manual control terminals, you can connect external devices, sensors, or manual switches to control the receiver.

1) Signal input:

You can connect external devices (with low level output signal) to manual terminals 1 (Signal +), terminal 2 (Signal +) and terminal 3 (Signal -), then the external device's output signal can control the receiver.

When the external device outputs low level signal to manual terminal 1 and terminal 3, Terminal A and B of OUT1 output DC power, the lamp 1 is on.

When the external device stops to output signal, Terminal A and B of OUT1 stop outputting, the lamp 1 is off.

When the external device outputs low level signal to manual terminal 2 and terminal 3, Terminal A and B of OUT2 output DC power, the lamp 2 is on.

When the external device stops to output signal, Terminal A and B of OUT2 stop outputting, the lamp 2 is off.

2) The manual switches:

You can connect manual switches to manual terminals 1, 2 and 3, then you can use manual switches to control the receiver.

When connect terminals 1 and 3, Terminal A and B of OUT1 output DC power, the lamp 1 is on.

And when disconnect terminals 1 and 3, Terminal A and B of OUT1 stop outputting, the lamp 1 is off.

When connect terminals 2 and 3, Terminal A and B of OUT2 output DC power, the lamp 2 is on.

And when disconnect terminals 2 and 3, Terminal A and B of OUT2 stop outputting, the lamp 2 is off.

Setting feedback function:

If you want to have a feedback function: Turn on the third bit of the dip switch.

When the receiver gets the signal of transmitter, it will immediately send a return signal to the transmitter. When the transmitter receive the feedback signal of the receiver, the transmitter will exude a buzzing sound like "D~" which means it receive the feedback signal successfully.

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.

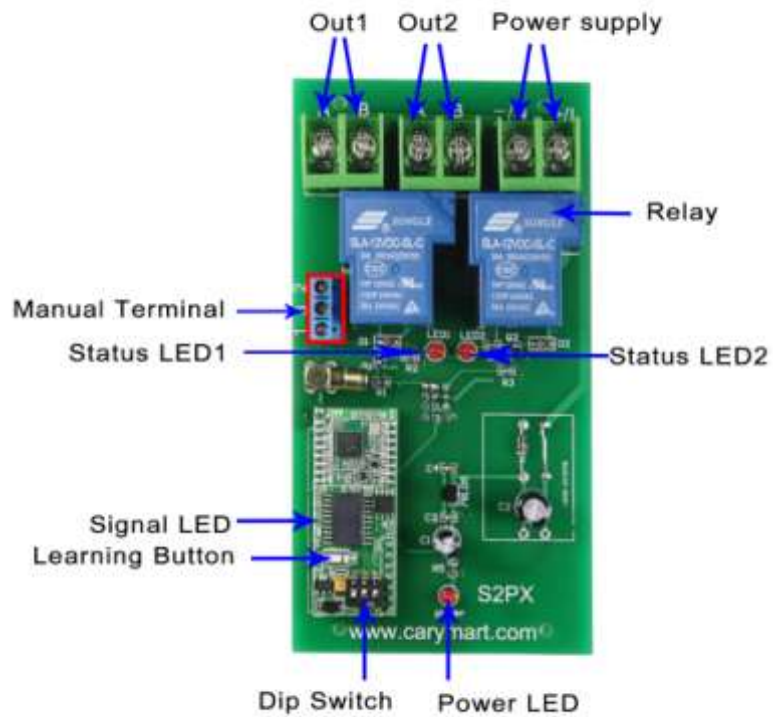
2) Press any one button on transmitter, if signal LED flashes twice, it means learning is successful.

3) The receiver can learn several transmitters 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 learning button of receiver until signal LED flashes three times. That means all stored codes have been deleted successfully.



Control DC Lamp

