

5000 Meters RF Wireless Receiver (0020670)

Feature:

Wireless control, easy to install.

Waterproof case with waterproof connectors.

High power, each output can work at maximum 30A current.

Super long range, with a transmitter to form a complete set, the working distance can reach 5000m in an open ground.

Feedback function: Can let the user know whether the receiver is been successfully triggered or operated by the transmitter in such a long distance.

Two ways working mode: When the receiver is been successfully triggered by the transmitter, it will immediately transmit a feedback signal to the transmitter, and the transmitter will send out a buzzing sound to inform you that the receiver has been successfully triggered.

America imported chips, which can ensure reliability and assure the high quality of the products.

DC power output, can be used in home automation, such as security system, remote control lights, motors, doors / locks / windows / blinds / cars, and various equipment.

It also can be used in agriculture and industry automation, such as long range and high power remote control devices.

Wireless remote control products on land, water and air, especially in a long distance, such as farm, pasture, offshore unmanned operation, field call, remote security alarm, unmanned aerial vehicle, etc.

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

Reliable control: The transmitter (Encoding) and the receiver (Decoding) use the custom code.

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

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

External Telescopic Antenna:

Length of external telescopic antenna: 108mm / 445mm (stretch)

External telescopic antenna use SMA connector.

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

Weight of external telescopic antenna : 16.5g

Receiver Parameters:

Model No. S4PXW-DC06-ANT3 / S4PXW-DC09-ANT3 / S4PXW-DC12-ANT3 / S4PXW-DC24-ANT3

Power Supply (Operating Voltage): DC6V (S4PXW-DC06-ANT3), DC9V±1V (S4PXW-DC09-ANT3), DC12V±1V (S4PXW-DC12-ANT3), DC24V±2V (S4PXW-DC24-ANT3)

Output: DC6V (S4PXW-DC06-ANT3), DC9V±1V (S4PXW-DC09-ANT3), DC12V±1V (S4PXW-DC12-ANT3), DC24V±2V (S4PXW-DC24-ANT3)

Working Frequency: 433.92MHz

Channel: 4CH

Control Modes: Toggle, Momentary, Latched

Maximum Working Current: 30A / each channel

PCB size: 170mm x 109mm x 18mm

Case size: 200mm x 120mm x 53mm

Work with custom code transmitters.

Usage (with the transmitter CC-4):

You can use this 4 channel receiver to control 4 DC 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.

If you want to control four DC 12V lamps, do as following:

Connect DC 12V power to terminals "+" and "-", and connect lamp 1 to terminals "+" and "-" of OUT1, connect lamp 2 to terminals "+" and "-" of OUT2, connect lamp 3 to terminals "+" and "-" of OUT3, connect lamp 4 to terminals "+" and "-" of OUT4 .

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):

Setting control mode Toggle (with transmitter CC-4): Move the first bit of the dip switch to the terminal "on" .

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

Press button A of the transmitter: Terminals OUT1 output DC power.

Press button A again: Terminals OUT1 stop outputting.

Press button B of the transmitter: Terminals OUT2 output DC power.

Press button B again: Terminals OUT2 stop outputting.

Press button C of the transmitter: Terminals OUT3 output DC power.

Press button C again: Terminals OUT3 stop outputting.

Press button D of the transmitter: Terminals OUT4 output DC power.

Press button D again: Terminals OUT4 stop outputting.

Setting control mode Momentary (with transmitter CC-4): Move the first and the second bits of the dip switch to the terminal "on".

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

Press and hold button A of the transmitter: Terminals OUT1 output DC power.

Release button A of the transmitter: Terminals OUT1 stop outputting.

Press and hold button B of the transmitter: Terminals OUT2 output DC power.

Release button B of the transmitter : Terminals OUT2 stop outputting.

Press and hold button C of the transmitter: Terminals OUT3 output DC power.

Release button C of the transmitter: Terminals OUT3 stop outputting.
Press and hold button D of the transmitter: Terminals OUT4 output DC power.
Release button D of the transmitter : Terminals OUT4 stop outputting

Setting control mode Latched (with transmitter CC-4): Move the second bit of the dip switch to the terminal "on".
Control mode Latched: Press -> On, other relays Off; Press another button -> Off.
Press button A of the transmitter: Terminals OUT1 output DC power, and other terminals OUT2, OUT3, OUT4 no output.
Press button B of the transmitter: Terminals OUT2 output DC power, and other terminals OUT1, OUT3, OUT4 no output.
Press button C of the transmitter: Terminals OUT3 output DC power, and other terminals OUT1, OUT2, OUT4 no output.
Press button D of the transmitter: Terminals OUT4 output DC power, and other terminals OUT1, OUT2, OUT3 no output.

Transmitters:

- 1) The receiver can only pair our CC and CCW series transmitters, such as model CC-4 (5000m), CCW-4 (5000m, waterproof).
- 2) You also can use four transmitters with one button to work with this receiver, and each transmitter will control receiver's a channel. Such as model CC-1 (5000m), CCW-1 (5000m, waterproof).

Input control terminals:

The receiver has four input control terminals, you can connect external devices, sensors, or manual switches to these terminals to control the outputs of receiver.

1) Signal input:

You can connect external devices (with low level output signal) to terminals "COM", "Signal 1", "Signal 2", "Signal 3", "Signal 4", the external device's output signal can control receiver's four outputs.

When the external device outputs low level signal to terminal "COM" and "Signal 1", Terminals OUT1 output DC power.

When the external device outputs low level signal to terminal "COM" and "Signal 2", Terminals OUT2 output DC power.

When the external device outputs low level signal to terminal "COM" and "Signal 3", Terminals OUT3 output DC power.

When the external device outputs low level signal to terminal "COM" and "Signal 4", Terminals OUT4 output DC power.

2) The manual button:

You can connect four manual switches to terminals "COM", "Signal 1", "Signal 2", "Signal 3", "Signal 4", then you can use these manual switches to control the outputs of receiver.

When connect terminals "Signal 1" and "Com", Terminals OUT1 output DC power. And when disconnect "Signal 1" and "Com", Terminals OUT1 stop outputting.

When connect terminals "Signal 2" and "Com", Terminals OUT2 output DC power. And when disconnect "Signal 2" and "Com", Terminals OUT2 stop outputting.

When connect terminals "Signal 3" and "Com", Terminals OUT3 output DC power. And when disconnect "Signal 3" and "Com", Terminals OUT3 stop outputting.

When connect terminals "Signal 4" and "Com", Terminals OUT4 output DC power. And when disconnect "Signal 4" and "Com", Terminals OUT4 stop outputting.

Feedback function:

If you press the button on the transmitter, the transmitter will send a signal to the receiver. When the receiver gets the signal from the transmitter, it will be activated, and it will immediately send a feedback signal to the transmitter. When the transmitter receives the feedback signal, the transmitter will exude a buzzing sound like "D~" which means the receiver is been activated successfully.

The working range:

With a transmitter to form a complete set, the distance can reach 5000m which is the longest distance of the transmitter. The distance of 5000m 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 5000m. The receiver will have farther working range with external magnetic sucker antenna.

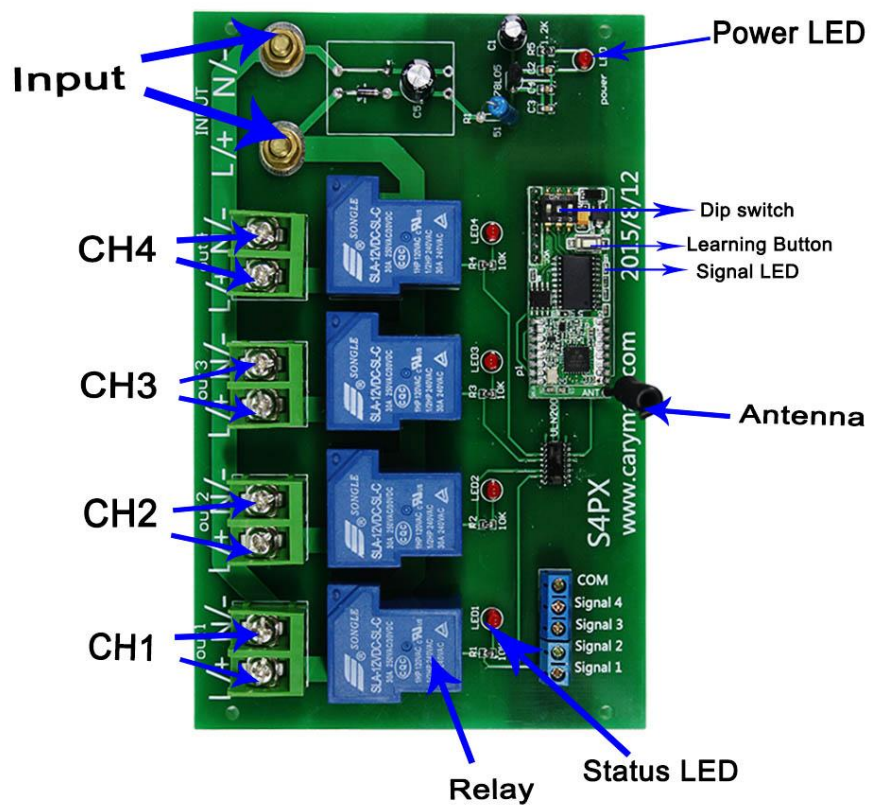
How to pair the transmitter to the receiver:

- 1) Press button K1 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.

Delete all transmitters:

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

Operation: Press and hold the button K1 of receiver until signal LED flashes three times. That means all stored codes have been deleted successfully.



Control DC Lamps

