

RF Wireless Remote Control Radio Controller / Transmitter & Receiver

Package Include:

1 x Receiver: S4PX-DC09-ANT2 / S4PX-DC12-ANT2 / S4PX-DC24-ANT2 (4 Channel / Four Control Modes)
1 x Transmitter: CB-4
1 x User manual

Features:

Wireless control, easy to install
With high power of 30A
Direct DC 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 microcontroller model of EM78P156, an 8-bit microprocessor designed and developed with low-power and high-speed CMOS technology.
Use ULN2003 to drive relay, with strong anti-interference.
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.
Transmitting Frequency: 315MHz / 433MHz
Working distance of transmitter and receiver with external extend antenna: 2000M / 6000ft (theoretically)

Receiver:

Model No.: S4PX-DC09-ANT2 / S4PX-DC12-ANT2 / S4PX-DC24-ANT2
Channel: 4 CH
Control Modes: Toggle, Momentary, Latched, Momentary + Toggle
Coding Type: Fixed code
Coding Setting: By learning
Power Supply (Operating Voltage): DC12V±1V (S4PX-DC12-ANT2), DC9V±1V (S4PX-DC09-ANT2), DC24V±1V (S4PX-DC24-ANT2)
Input / Output: DC 0~30V or AC 0~250V
Output voltage is same as Input voltage
PCB Size: 137mm x 80mm x 25mm
Case Size: 150mm x 90mm x 45mm
Maximum Working Current: 30A / each channel
Maximum Power: 270W/9VDC or 360W/12VDC or 720W/24VDC

External Extend Antenna:

Frequency Range: 300~450MHz
Impedance: 50Ω
Antenna Length: 15cm
Cable Length: 150cm
Weight: 35g
Anti-interference, waterproof, shielded wire set inside
Magnetic stand design for easy to install

Transmitter:

Model No.: CB-4
Channel: 4 CH
Remote Control Distance: 1000m / 3000ft (theoretically)
Encode: Fixed code by soldering
Unit size: 135mm x 42mm x 25mm
Power Supply: 1 x 6F22-9V battery (Included, useful life 6-12 months)

Usage:

Wire the dc power supply to terminal “+” and “—” on the receiver. Wire the power supply of devices you want to control to the terminal Input.
Then wire the devices to the terminals A&B.

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

Press button 1: Turn on the relay, terminal A&B of relay 1 output DC / AC power.

Press button 1 again: Turn off the relay, terminal A&B of relay 1 no output.

...

Press button 4: Turn on the relay, terminal A&B of relay 4 output DC / AC power.

Press button 4 again: Turn off the relay, terminal A&B of relay 4 no output.

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

Press and hold button 1: Turn on the relay, terminal A&B of relay 1 output DC / AC power.

Release button 1: Turn off the relay, terminal A&B of relay 1 no output.

...

Press and hold button 4: Turn on the relay, terminal A&B of relay 4 output DC / AC power.

Release button 4: Turn off the relay, terminal A&B of relay 4 no output.

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

Press button 1: Turn on the relay, terminal A&B of relay 1 output DC / AC power.

Press other button: Turn off the relay, terminal A&B of relay 1 no output.

...

Press button 4: Turn on the relay, terminal A&B of relay 4 output DC / AC power.

Press other button: Turn off the relay, terminal A&B of relay 4 no output.

Setting control mode Momentary + Toggle: Connect Jumper-1 and Jumper-2.

Control mode Momentary (Channel 1, 2): Press and hold -> On; Release -> Off.

Press and hold button 1: Turn on the relay, terminal A&B of relay 1 output DC / AC power.

Release button 1: Turn off the relay, terminal A&B of relay 1 no output.

Press and hold button 2: Turn on the relay, terminal A&B of relay 2 output DC / AC power.

Release button 2: Turn off the relay, terminal A&B of relay 2 no output.

Control mode Toggle (Channel 3, 4): Press -> On; Press again -> Off.

Press button 3: Turn on the relay, terminal A&B of relay 3 output DC / AC power.

Press button 3 again: Turn off the relay, terminal A&B of relay 3 no output.

Press button 4: Turn on the relay, terminal A&B of relay 4 output DC / AC power.

Press button 4 again: Turn off the relay, terminal A&B of relay 4 no output.

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.

Learning the button of remote control:

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) 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.

