RF Wireless Remote Control Radio Controller / Transmitter & Receiver

Package Include:
12 x Receiver: S1XC-AC110 / S1XC-AC220 (1 Channel / Three Control Modes)
1 x Transmitter: CV-12
1 x User manual

Feature:
Wireless control, easy to install
Control Lights, Motors, Fans, electrically operated Doors/Locks/Windows/Blinds/Cars or Other Appliances with AC 100~240V.
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.
Use an 8-bit microprocessor designed and developed 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.
Transmitting Frequency: 315MHz / 433MHz

Receiver:
Model No.: S1XC-AC110 / S1XC-AC220
Channel: 1 CH
Control Modes: Toggle, Momentary, Latched
Coding Type: Fixed code or learning code
Coding Setting: By learning
Power Supply (Operating Voltage): AC100~120V (S1XC-AC110), AC200~240V (S1XC-AC220)
PCB size: 80mm x 35mm x 14mm
Case size: 100mm x 40mm x 24mm
Maximum Working Current: 3A/each channel

Transmitter:
Model No.: CV-12
Channel: 12 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)

Usage:
Connect the neutral wire to the terminal "1", and the live wire to the terminal "2". Connect the lamp to the terminal "5" and the neutral wire.
Setting different control modes (We have set the receiver as Toggle mode before delivery. If you want to use other modes, do as following):

1) Setting control mode Toggle: Only connect Jumper-1.
Press button 1, turn on the lamp of receiver 1. Press button 1 again, turn off the lamp of receiver 1.
Press button 2, turn on the lamp of receiver 2. Press button 2 again, turn off the lamp of receiver 2.
……
Press button 11, turn on the lamp of receiver 11. Press button 11 again, turn off the lamp of receiver 11.
Press button 12, turn on the lamp of receiver 12. Press button 12 again, turn off the lamp of receiver 12.

2) Setting control mode Momentary: Do not connect Jumper-1 and Jumper-2.
Press and hold button 1, turn on the lamp of receiver 1; Release button 1, turn off the lamp of receiver 1.
Press and hold button 2, turn on the lamp of receiver 2; Release button 2, turn off the lamp of receiver 2.
……
Press and hold button 11, turn on the lamp of receiver 11; Release button 11, turn off the lamp of receiver 11.
Press and hold button 12, turn on the lamp of receiver 12; Release button 12, turn off the lamp of receiver 12.

3) Setting control mode Latched: Only connect Jumper-2.
Press button 1, turn on the lamp of receiver 1, turn off the lamp of receiver 2,3,4,5,6,7,8,9,10,11,12.
Press button 2, turn on the lamp of receiver 2, turn off the lamp of receiver 1,3,4,5,6,7,8,9,10,11,12.
……
Press button 11, turn on the lamp of receiver 11, turn off the lamp of receiver 1,2,3,4,5,6,7,8,9,10,12.
Press button 12, turn on the lamp of receiver 12, turn off the lamp of receiver 1,2,3,4,5,6,7,8,9,10,11.

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 about 4 seconds until signal LED turns off; then release the button, at this time all stored codes have been deleted successfully.

Learning the button of remote control:

1) Press and hold the button of receiver about 2 seconds until signal LED flashes; then release the button, at this time the receiver enters into status of LEARNING.
2) Press any one button on remote control. If signal LED immediately turns off, it means learning is successful.
3) The receiver can learn several remote controls with different codes.

Application Circuit   **Interior Analogue Circuit**

Lamp

Relay

Button

Jumper-1   Jumper-2

S1 S2

Live wire

Power Supply

Neutral wire

Signal LED

5

4

3

2

1