

4CH 5V RF Wireless Receiver Module With Decode

Feature:

Model No.: 0020316
 Type: Receiver module with decode for fixed code
 Modulation Method: Amplitude modulation (OOK)
 Working voltage: DC 5V
 Working current: 4.5mA
 RF Sensitivity: -95dBm
 Coding Method: Fixed code by learning
 Decoding Outputs: High level
 Working temperature: -20°C ~ +70°C
 Size: 37x35x12mm
 With four decoding outputs
 Control Modes: We can offer Toggle, Momentary or Latched, you can choose one.
 Frequency: We can offer 315 MHz or 433.92 MHz, you can choose one.

LEARNING the remote control:

- 1) Press and hold any button of remote control, then press LEARNING button of the receiver.
- 2) Release the button of the receiver, the LED light is off after it flashes three times, it means LEARNING is successful.
- 3) The receiver can learn several remote controls of different codes.

DELETE the remote control:

Delete all stored codes of remote controls: Press the button of the receiver for about 3 seconds until the LED light flashes quickly, and then release the button, the LED light will flash slowly, it means all stored codes have been deleted successfully. At this time, remote control cannot control the receiver.

Setting different control modes:

- 1) Setting control mode Toggle: Connect Jumper-2.
 Control mode Toggle: Press -> On; Press again -> Off.
- 2) Setting control mode Momentary: Connect Jumper-1.
 Control mode Momentary: Press and hold -> On; Release -> Off.
- 3) Setting control mode Latched: Disconnect Jumper-1 and Jumper-2.
 Control mode Latched: Press -> On, other relays Off; Press another button -> Off.

Application:

The RF receiver modules are widely used for remote controls, remote control toys, anti-theft alarms, garage doors, roller shutter, road barrier, retractable doors and so on.

Notes:

It is best to use the antenna of 1/4 wavelength, for antenna has a great impact on receiving effect of the module; normally using 50Ω single core cable. For frequency 315MHz, the length of antenna is about 23cm; for 433MHz, it is about 17cm. The position of antenna also affects the receiving effect of the module. When installing the antenna should be extended as much as possible and be away from the shield and the place in high pressure and interference.
 The receiving frequency, decoding mode and timing resistor should be compatible with the transmitter.

Introduction of pin (from right to left)

Pins	Name	Function
1	VT	Effective recognition of decoding output
2~5	D0~ D3	Data output
6	5V	Positive power supply
7	GND	Negative power supply

