

Super Heterodyne RF Wireless Receiver Module

Feature:

Model No.: 0020271

Modulation Method: Amplitude modulation (ASK or OOK)

Output Level : TTL Level (5V)

Output Type : Serial Output (manchester code)

Working Voltage: DC 5V

Working Current: 2.5mA

RF Sensitivity: -107dBm

Working Temperature: -20°C ~ +70°C

Size: 43x12x5mm

Frequency: We can offer 315 MHz or 433.92 MHz, you can choose one.

Adopt crystal oscillator to stabilize receiving frequency

10 kinds of frequency for selection

High sensitivity and reliable performance

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 left to right)

Pins	Name	Function
1	ANT	Antenna
2, 3, 8	GND	Negative power supply
4, 5	VCC	Positive power supply
6, 7	RXD	Data output

