

# AC 220V Chain Motor WiFi & Remote Control Intelligent System

## Package Include:

- 1 x WiFi to RF Converter (Including power adapter)
- 1 x Receiver
- 2 x Transmitter
- 1 x User manual

## Product Introduction:

This intelligent control kit includes a WiFi-RF converter, a RF receiver and two RF transmitters. The receiver can be used to connect a chain motor. The user can use the RF transmitter to control the chain motor connected to the RF receiver, or use the smart phone to control the chain motor connected to the receiver anytime and anywhere.

## Product Application:

1. The user can use this system to control various devices with chain motor through Smartphone and remote by the Internet and RF wireless signal, mainly used for roller shutter, garage door, shutter door, rolling gate or other appliances and equipments with AC chain motors, it can remote control chain motor to rotate in the positive or reversal direction
2. This product also has superior timing and delay functions which can achieve a variety of complex timing control, delay control and automatic cycle control. Therefore, it has richer and smarter control functions than traditional remote controls.

## Product Feature:

Wireless control, easy to install.

Connect to the Internet via the WIFI signal of the wireless router.

Via smartphone app to control, no distance limit.

It offers APP for Android or iOS, and APP is free to use.

The Android version of the app supports a variety of Android phones or tablets.

The iOS version of the app supports a variety of iPhone, iPad and iPod Touch.

The APP supports English, French, German, Spanish, Russian and other languages.

Wired control terminals: You can use manual switches control the device.

Timing function: You can set the device to run automatically at different times of a day.

With the sharing function, you can share this device with other mobile phones for common operation.

## Working Principle:

The chain motor is connected to the RF receiver, and you can directly use the RF transmitter to control the chain motor.

The WiFi to RF converter is connected to the Internet via the WiFi signal of the wireless router. It can learn the wireless signal of RF transmitter, and emit the same wireless signal to control the RF receiver.

Therefore you can use the Smartphone APP to operate the WiFi to RF converter, then the WiFi to RF converter emit wireless signal to control the device by RF receiver. So Smartphone can be transformed into a universal remote which is enable to remote control various devices at anytime and anywhere.

## Use Process:

1. Use Smartphone to download the APP, and register an account and log in.
2. Connect the WiFi to RF converter to a wireless router and operate the APP to learn the transmitter.
3. Connect the chain motor to the receiver, then you can control the device by the transmitter from any place within a reliable distance.
4. You also can use Smartphone APP to control the chain motor from any place without distance limit.

## WiFi to RF Converter:

Dimension: 62mm x 62mm x 20mm

Operating voltage: 5V/1A (powered by Micro USB interface)

WiFi operating frequency: 2.4GHz

RF system working distance: 50 to 100 meters (in an open environment)

Working temperature: -40°C~85°C

It can learn up to 4 remote controls and can control up to 16 switches.

Supports the frequency of the learned RF remote controls: 433MHz

Most fixed code and learning code remote controls are supported, such as the remote control chip models PT2260, PT2262, PT2264, EV1527 etc.

Dynamic codes (rolling codes) and encrypted remote controls are not supported.

Remote controls of infrared signal such as the remote controls of TV and air-conditioning are not supported.

It can be remotely controlled by mobile phone APP in any place where there is a mobile phone signal.

The Android version of the APP supports a variety of mobile phones or tablet devices of Android systems.

The iOS version of the APP supports a variety of Apple phones or Apple devices such as the iPhone, iPad, and iPod Touch.

APP supports English, French, German, Spanish, Russian and other languages.

Multiple working modes: interlocking, sharing and custom scenes.

## Receiver:

Power Supply (Operating Voltage): AC 220~240V

Output: AC 220V / 5A

Working Frequency: 433MHz

Channel: 1CH, can work with a AC chain motor

Static Current: ≤6mA

Maximum Working Current: 5A  
Case size: 130mm x 85mm x 40mm

**Transmitter:**

With Sliding Cover: Slide up when it doesn't work (to protect the button). Slide down the button will appear.

Channel/Button: 4

Button Symbol: Up, Down, Lock, STOP

Operating Voltage: 12V (1 x 23A -12V battery, can be used for 12 months)

Operating Frequency: 433Mhz

Transmitting Distance: 50m / 150ft (theoretically)

Operating Temperature: -20 ° C to +70 ° C

Unit Size: 60mm x 36mm x 16mm

**Operation:**

1) Control the chain motor by RF transmitter:

Press button ▲ on transmitter: Motor rotates in positive direction.

Press button ▼ on transmitter: Motor rotates in reversal direction.

Press button ■ on transmitter: Motor stops or Unlock the system.

Press button ● on transmitter: Lock the system.

2) Control the chain motor by buttons on RF receiver:

Press button ▲ on receiver: Motor rotates in positive direction.

Press button ▼ on receiver: Motor rotates in reversal direction.

Press button ■ on receiver: Motor stops or Unlock the system.

3) Control the chain motor by smart phone:

Press button "UP" on the smart phone APP: Motor rotates in positive direction.

Press button "DOWN" on the smart phone APP: Motor rotates in reversal direction.

Press button "STOP" on the smart phone APP: Motor stops or Unlock the system.

Press button "Lock" on the smart phone APP: Lock the system.