

## Model 0020784

### Package Include:

1 WiFi to radio converter (including power adapter)  
1 x receiver: S1PFC-AC  
1 x transmitter: CV-4-2  
1 x user manual

### Product Introduction:

This intelligent control kit includes a WiFi-RF converter, receiver and RF remote control. The receiver has a set of relay outputs that can be used to connect an AC motor that rotates in the positive/inverse direction. The user can use the remote control to control the AC motor connected to the receiver, or use the smartphone to control the AC motor connected to the receiver anytime, anywhere.

### Product Application:

1. It can remote control various devices using mobile phones and the Internet. It can be used in electric curtains, retractable hangar, roller shutters, projection screens, awnings, winches, conveyors or other appliances and equipment with AC motors. It can control the rotation of the AC motor in the positive or reverse direction.
2. Especially in a place without a network, the user can use this product to control the mobile app remotely via the mobile phone and the Internet.
3. This product also has superior timing and delay functions that provide a variety of complex timing controls, delay control and automatic cycle control. As a result, it has richer and smarter control functions than traditional remote controls.

### Product Principle:

The WiFi to radio converter is connected to the Internet via the wireless router's WiFi signal. We use the APP mobile phone to operate the WiFi to radio converter.

The WiFi to radio converter can learn the signal from the radio remote control and control the mobile radio application by transmitting the same radio signal.

Thanks to these two principles, the mobile phone can be transformed into a universal remote control that allows remote control of different devices.

### Product Use:

First, we use our mobile phone to download the mobile app, register an account and log in. Then connect WiFi to the Radio Converter to the wireless router and operate the mobile app to learn radio signals from the "ON" and "OFF" buttons on the remote. Finally, we can use the phone to control the AC motor connected to the receiver.

### Features:

Wireless control and easy to install.

The radio receiver is a power output; it can be used to operate an AC motor.

A radio receiver with overcurrent protection.

You can turn on/off devices controlled by the transmitter (remote control) from any location at a safe distance.

You can turn your smartphone-controlled device on/off from any location.

### WiFi Radio Converter Parameters:

Dimensions: 62mm x 62mm x 20mm

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

WiFi operating frequency: 2.4GHz

Working distance of the radio system: 50 to 100 meters (in open environment)

Working temperature: -40°C~85°C

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

Supports learned radio remote control frequency controls: MHz

Most fixed code and teach-in code remote controls are supported, such as PT2260, PT2262, PT2264, PT2264, PT2264, EV1527, etc.

Dynamic rolling codes and encrypted remote controls are not supported.

Infrared signal remote controls such as TV and air conditioning remote controls are not available.

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

The Android version of the application adapts to a variety of mobile phones or Android tablet systems.

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

The application has language versions such as English, French, German, Spanish, Russian and other languages.

Multiple work modes: auto lock, interlock, timer, timing, cycle work and custom scenes.

### Receiver Parameters:

Model: S1PFC-AC220

Control modes: Interlock and Momentary.

Power supply (Operating voltage): CA100~240V (110V/120V/220V/240V)

Output: CA100~240V (110V/120V/220V/240V)

Working frequency: 433MHz

Channels: 1 CH, it can work with 1 AC motor

Static current: ≤6mA

Maximum working current: 30A/each channel, therefore maximum starting motor current cannot exceed 30A.

PCB Size: 140mm x 73mm x 18mm

Case Size: 192mm x 100mm x 45mm

**Transmitter Parameters:**

Model: CV-4-2

Channel/Button: 4

Symbol button: ▲, ▼, 2 x ■

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

Operating current: 15mA

Operating frequency: 433MHz

Transmission distance: 500m/1500feet (theoretically)

If you stretch the telescopic antenna, it can have an extra working range, which is twice as large as before.

Modulation Mode: ASK

Operating temperature: 20°C to +70°C

Unit Size: 110mm x 50mm x 18mm

**Operation (When the receiver is set to interlock mode: Press -> On; press another button -> Off):**

1) AC motor control by radio transmitter (CV-4-2):

Press the ▲ button on the transmitter: The motor runs in the positive direction.

Press the ■ button on the transmitter: The motor stops.

Press the ▼ button on the transmitter: The motor runs in the opposite direction.

Press the ■ button on the transmitter: The motor stops.

2) Control of the AC motor by mobile phone:

Press the "Up" button on the mobile application: The motor turns in the positive direction.

Press the "Stop" button on the mobile application: The motor stops.

Press the "Down" button on the mobile application: The motor turns in the opposite direction.

Press the "Stop" button on the mobile application: The motor stops.

**Delay Function:**

The time delay can be accurate to minutes, the shortest time delay is 1 minute and the longest time delay is 24 hours. Up to 8 timer schedules can be set. The unit turns on or off automatically when the set time is reached.

**Timing Function:**

Users can set the device to operate automatically at different times of the day. You can configure up to 4 timing groups, each timing group includes a time to turn on the device and a time to turn off the device.

**Cycle Timing Function:**

The user can define a run time and a cycle time for the device to operate repeatedly and automatically. For example, set the unit to start once every hour, every time for 25 minutes, and the cycle will repeat automatically.