

# 4CH AC WiFi Home Automation Wireless Remote Control Switch System (Model 0020795)

## Package Include:

1 x WiFi radio converter (power adapter included)  
1 x Receiver: S4PX-AC  
2 x Transmitter: CWB-4  
1 x Use manual

## Product Introduction:

This intelligent control kit includes a WiFi-Radio converter, a receiver and two remote controls. The receiver has AC power output that can be used to connect AC devices. The user can use the remote control to control the device connected to the receiver or use the smartphone to control the device connected to the receiver anytime, anywhere.

## Product Application:

1. It can remote control various devices using mobile phones and the Internet. And it applies to the industrial, agricultural, commercial, home automation and other sectors. Such as the control of various lights, fans, pumps, solenoid valves and other AC devices, and the control of security alarm equipment, factory or farm equipment and marine vehicles or equipment.
2. Especially when the controlled device is in a location without a network, the user can use this product to remotely control the device 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 a mobile phone application to operate the WiFi to radio converter.

The WiFi to radio converter can learn the signal from the radio remote control and control the radio device 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. 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, easy to install.  
The radio receiver has a waterproof housing and a waterproof connector, it can be installed outside.  
This radio receiver is an AC power output, it can be used to operate AC equipment.  
High Power: Each channel can operate at a maximum current of 30A, 3000W/110V, 6000W/220V.  
Radio receiver with wired control terminals : You can connect sensors, limit switches, manual switches or external devices to control the receiver.  
Radio receiver with power inversion protection and overcurrent protection.  
You can turn the device controlled by the transmitter (remote control) on/off from any location at a reliable distance.  
You can turn the device controlled by the smartphone on/off from anywhere.

## 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: self-locking, interlocking, delay, timing, cycle work and custom scenes.

## Receiver Parameters:

Model: S4PX-AC  
Power supply (Operating voltage): CA100~240V (110V/120V/220V/240V)  
Output: CA100~240V (110V/120V/220V/240V)  
Working frequency: 433MHz  
Channel: 4 channels  
Control Modes: Self-locking, Momentary, Interlocking  
Static current: ≤6mA

Maximum operating current: 30A/each channel  
PCB dimensions: 170mm x 109mm x 18mm  
Housing dimensions: 200mm x 120mm x 53mm  
Wire range for terminals: 22-9AWG

#### **Transmitter Parameters:**

Model: CWB-4  
Waterproof  
Channel/button: 4  
Button symbol: A, B, C, D  
Working voltage: 6V (2 x CR2016-3V button battery, can be used for 12 months)  
Working current: 5mA  
Working frequency: 433MHz  
Transmission distance: 50m/150ft (theoretically)  
Modulation mode: ASK  
Operating temperature: 20°C ~ +70°C  
Unit Size: 56mm x 32mm x 12mm

#### **Operation:**

##### **1) Control the device by radio transmitter (CWB-4):**

When the receiver is set in Self-locking mode: Press -> On; press -> OFF again.

Press button "A" on the transmitter: Output terminals 1 output AC power, the controlled device 1 is switched on.

Press button "A" again: Output terminals 1 stop output, the controlled device 1 is switched off.

...

Press button "D" on the transmitter: Output terminals 4 output AC power, the controlled device 4 is switched on.

Press button "D" again: Output terminals 4 stop output, the controlled device 4 is switched off.

When the receiver is set in Interlocking mode: Press -> On; press another button -> Off.

Press button "A" on the transmitter:

Output terminals 1 output AC power, the controlled device 1 is switched on.

The other output terminals stop the output, and the other controlled devices are switched off.

...

Press button "D" on the transmitter:

Output terminals 4 output AC power, the controlled device 4 is switched on.

The other output terminals stop the output, and the other controlled devices are switched off.

##### **2) Control the device by mobile phone:**

When the receiver is set in Self-locking mode: Press -> On; press -> OFF again.

Press button "A" on the application: Output terminals 1 output AC power, the controlled device 1 is switched on.

Press button "A" again: Output terminals 1 stop output, the controlled device 1 is switched off.

...

Press button "D" on the application: Output terminals 4 output AC power, the controlled device 4 is switched on.

Press button "D" again: Output terminals 4 stop output, the controlled device 4 is switched off.

When the receiver is set in Interlock mode: Press -> On; press another button -> Off.

Press button "A" on the application:

Output terminals 1 output AC power, the controlled device 1 is switched on.

The other output terminals stop the output, and the other controlled devices are switched off.

...

Press button "D" on the application:

Output terminals 4 output AC power, the controlled device 4 is switched on.

The other output terminals stop the output, and the other controlled devices are switched off.

#### **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 20 minutes, and the cycle will repeat automatically.