

## 1CH WiFi RF remote controls switch kit with 30A AC power output for home automation (Model 0020794)

### Package Include:

1 x WiFi to RF Converter (Including power adapter)  
1 x Receiver: S1PX-AC  
2 x Transmitter: C-2  
1 x User manual

### Product Introduction:

This intelligent control kit includes a WiFi-RF 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 smart phone to control the device connected to the receiver anytime and anywhere.

### Product Application:

1. It can remote control various AC devices through mobile phones and the Internet. And it applies to industrial, agricultural, commercial and home automation and other fields. Such as the control of various lighting, fans, solenoid valves and other devices, and the control of security alarm equipment, factory or farm equipment and vehicle or marine equipment.
2. Especially when the controlled device is in a place without a network, the user can use this product to remote control the device through the mobile phone and the Internet.
3. 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 Principle:

The WiFi to RF converter is connected to the Internet via the WiFi signal of the wireless router. We use the mobile phone APP to operate the WiFi to RF converter.

The WiFi to RF converter can learn the signal of RF remote control and control the RF device by emitting the same RF signal.

Through these two principles, the mobile phone can be transformed into a universal remote controller which is enable to remote control various devices.

### Product Usage:

Firstly, we use the mobile phone to download the APP, register an account and log in. Then connect the WiFi to RF converter to a wireless router and operate the APP to learn the RF signals of buttons "ON" and "OFF" of remote control. Finally, we can use the mobile phone APP to control the device connected to the receiver.

### Feature:

Wireless control, easy to install.

The RF receiver has waterproof case and waterproof connector, it can be installed outdoors.

This RF receiver is AC power supply output; it can be used to operate AC equipments.

High Power: Each channel can work at maximum current 30A, such as 3000W/110V, 6000W/220V.

RF receiver with wired control terminals: You can connect sensors, manual switches or external devices to control the receiver.

You can turn on/ off the controlled device by the transmitter (remote control) from any place within a reliable distance.

You can turn on/ off the controlled device by the smart phone from any place.

### WiFi to RF Converter Parameters:

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

### Receiver Parameters:

Model No.: S1PX-AC

Power Supply (Operating Voltage): AC100~240V (110V/120V/220V/240V)

Output: AC100~240V (110V/120V/220V/240V)

Wire range for the terminals: 22-9 AWG

Working Frequency: 433MHz

Channel: 1 CH

Control Modes: Toggle, Momentary, Latched

Static Current: ≤6mA

Maximum Working Current: 30A  
PCB size: 90mm x 59mm x 18mm  
Case size: 100mm x 68mm x 50mm

**Transmitter Parameters:**

Model No.: C-2  
With Sliding Cover: Slide up when it doesn't work (to protect the button). Slide down the button will appear.  
Channel/Button: 2  
Button Symbol: A, B  
Operating Voltage: 12V (1 x 23A -12V battery, can be used for 12 months)  
Operating Current: 6mA  
Transmitting Distance: 100m / 300ft (theoretically)  
If you stretches the telescopic antenna, it can have a further working range, which is twice as much as it used to be.  
Modulation Mode: ASK  
Unit Size: 58mm x 39mm x 16mm

**Operation:**

1) Controlling the device by RF transmitter (C-2):

When the receiver is set to self-locking mode: Press -> On; Press again -> Off.  
Press button A on the transmitter: Output terminals outputs AC power, and controlled device is turned on  
Press button A again: Output terminals stops outputting, and controlled device is turned off

When the receiver is set to interlocking mode: Press -> On; Press other button -> Off.  
Press button A on the transmitter: Output terminals outputs AC power, and controlled device is turned on  
Press button B on the transmitter: Output terminals stops outputting, and controlled device is turned off

2) Controlling the device by smart phone:

When the receiver is set to self-locking mode: Press -> On; Press again -> Off.  
Press button A on the smart phone APP: Output terminals outputs AC power, and controlled device is turned on  
Press button A again: Output terminals stops outputting, and controlled device is turned off

When the receiver is set to interlocking mode: Press -> On; Press other button -> Off.  
Press button A on the smart phone APP: Output terminals outputs AC power, and controlled device is turned on  
Press button B on the smart phone APP: Output terminals stops outputting, and controlled device is turned off

**Delay Function:**

The delay time can be accurate to the minutes, the shortest delay time is 1 minute, and the longest delay time is 24 hours. Up to 8 delay times can be set. The device will automatically turn on or off when the set time reached.

**Timing Function:**

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

**Cycle Timing Function:**

User can set a run time and a cycle time to set the device to run repeatedly and automatically. For example, set the device to start once every hour, each time runs for 20 minutes, and the cycle is repeated automatically.