



**XY-WF36V**

# **Sinilink WiFi Mobile Phone Remote Control Relay Module User Manual**

Model: XY-WF36V

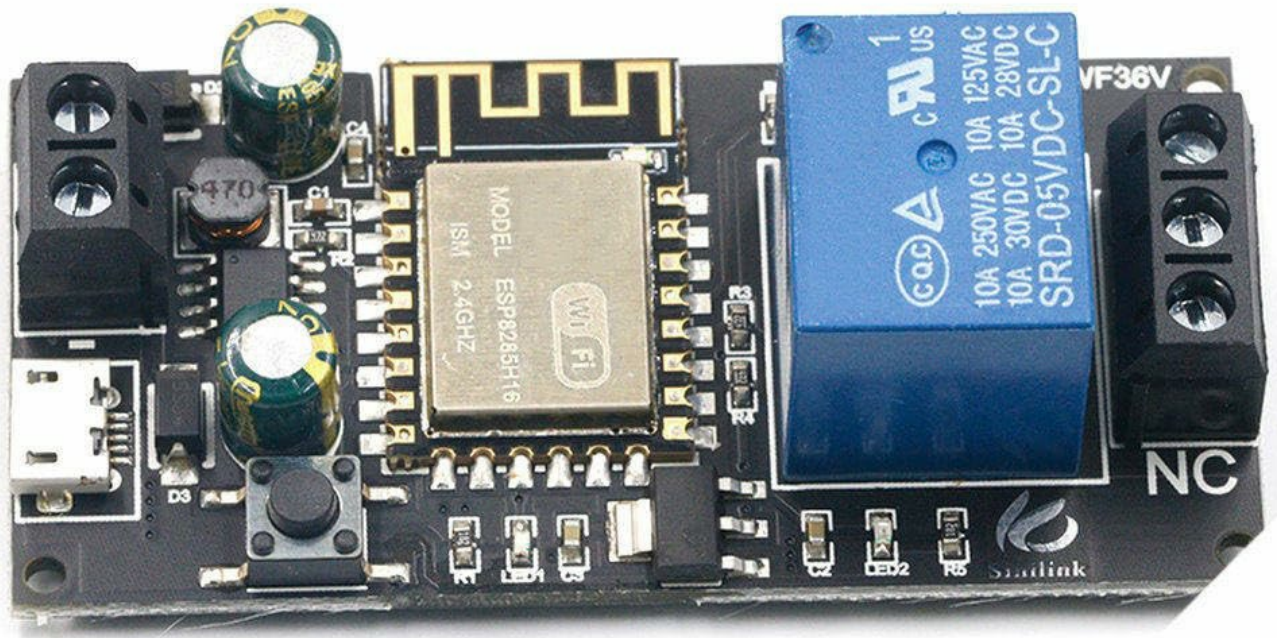
## **INTRODUCTION**

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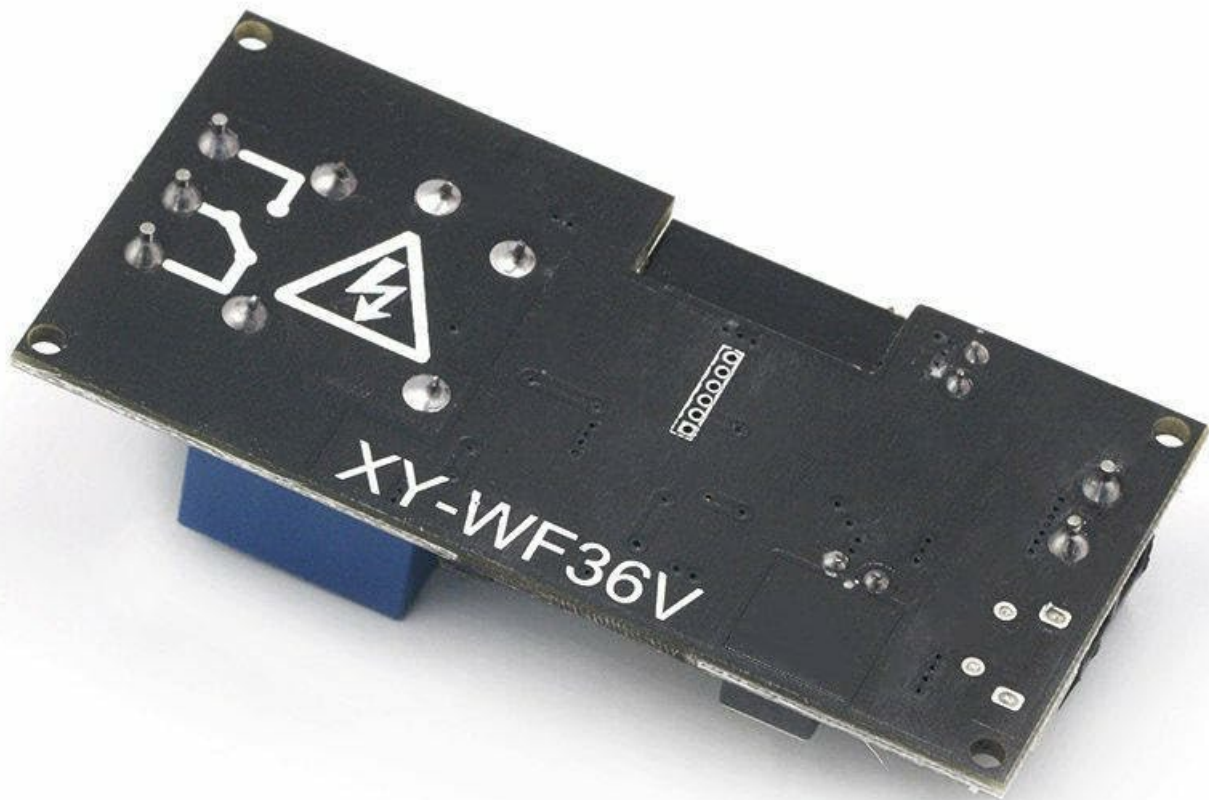
This manual provides detailed instructions for the setup, operation, and maintenance of the Sinilink WiFi Mobile Phone Remote Control Relay Module (Model: XY-WF36V). This module is designed for smart home applications, enabling remote control of devices via a mobile phone application. It features a wide operating voltage range of DC6V to 36V and integrates an ESP-12F WiFi module for connectivity.

## **PRODUCT OVERVIEW**

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**Figure 1:** Top view of the Sinilink WiFi Relay Module. This image displays the main components including the ESP-12F WiFi module, the blue relay, power input terminals, and output terminals.



**Figure 2:** Bottom view of the Sinilink WiFi Relay Module. This image shows the solder points and traces on the underside of the printed circuit board (PCB).

The Sinilink XY-WF36V module integrates a WiFi communication chip (ESP-12F) and a relay, allowing it to be controlled remotely. It is designed for easy integration into various smart home and automation projects. The module features screw terminals for secure wiring of power input and relay outputs.

## **SPECIFICATIONS**

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Feature	Specification
Model	XY-WF36V
Operating Voltage	DC 6V ~ 36V
Relay Type	Single Pole Double Throw (SPDT)
Relay Contact Rating	10A 250VAC / 10A 125VAC / 10A 30VDC / 10A 28VDC
WiFi Module	ESP-12F
Control Method	Mobile Phone APP (Sinilink APP)
Mounting Type	PCB Mount (Through Hole)
Operation Mode	Automatic

## SETUP INSTRUCTIONS

- Power Connection:** Connect a DC power supply within the 6V to 36V range to the input terminals labeled **+** and **-** on the module. Ensure correct polarity to prevent damage.
- Load Connection:** Connect the device you wish to control to the relay output terminals. The relay provides Normally Open (NO), Normally Closed (NC), and Common (COM) contacts.
  - For a device to turn ON when the relay is activated, connect one side of the load to the power source and the other side to the *COM* terminal. Connect the *NO* terminal to the other side of the power source (or ground, depending on your circuit).
  - For a device to turn OFF when the relay is activated, use the *NC* terminal instead of *NO*.
- APP Installation:** Download and install the "Sinilink" mobile application from your device's app store (e.g., Google Play Store for Android, Apple App Store for iOS).
- Module Pairing:**
  - Open the Sinilink APP and create an account or log in.
  - Ensure your mobile device is connected to a 2.4GHz WiFi network. The module does not support 5GHz networks.
  - On the module, press and hold the small button (often labeled "KEY" or similar) for approximately 5-7 seconds until the status LED starts blinking rapidly. This indicates the module is in pairing mode.
  - In the APP, follow the instructions to add a new device. Select the appropriate device type (e.g., "Relay Module" or "Smart Switch").
  - Enter your WiFi network's SSID and password when prompted by the APP.
  - The APP will attempt to discover and connect to the module. Once connected, the module's status LED will stop blinking rapidly and remain solid or blink slowly, indicating a successful connection.
  - You can then rename the device in the APP for easier identification.

## OPERATING INSTRUCTIONS

Once the module is successfully paired with the Sinilink APP, you can control it remotely.

- Remote Control:** Open the Sinilink APP. On the main dashboard, you should see your added relay module. Tap on the device icon to access its control interface.
- Toggle Relay:** Within the device interface, there will be a button or toggle switch to turn the relay ON or OFF. Tapping this will change the state of the relay, thereby controlling the connected load.

- Scheduling:** The APP typically allows you to set schedules or timers for the relay to turn ON/OFF automatically at specific times or after a certain duration. Refer to the APP's built-in help or interface for detailed scheduling options.
- Scene Automation:** Advanced users can create scenes or automation rules within the APP to trigger the relay based on other smart home devices or conditions (if supported by the Sinilink ecosystem).

## MAINTENANCE

The Sinilink WiFi Relay Module is designed for low maintenance. Follow these guidelines to ensure optimal performance and longevity:

- Keep Dry:** Ensure the module is installed in a dry environment, away from moisture and humidity, to prevent short circuits and corrosion.
- Cleanliness:** Periodically inspect the module for dust accumulation. If necessary, gently clean with a soft, dry brush or compressed air. Do not use liquid cleaners.
- Stable Power Supply:** Use a stable and regulated DC power supply within the specified voltage range (6V-36V) to prevent damage from voltage fluctuations.
- Firm Connections:** Periodically check that all wire connections to the terminal blocks are secure and tight. Loose connections can lead to intermittent operation or overheating.
- Firmware Updates:** Check the Sinilink APP periodically for any available firmware updates for the module. Updates can improve performance, add features, or fix bugs. Follow the APP's instructions for any update process.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Module does not power on.	Incorrect power supply voltage or polarity; loose power connections.	Verify power supply is within 6V-36V DC and connected with correct polarity. Check wire connections.
Cannot pair module with APP.	Incorrect WiFi band (5GHz); incorrect WiFi password; module not in pairing mode; weak WiFi signal.	Ensure mobile device is on a 2.4GHz WiFi network. Double-check WiFi password. Press and hold the module's button for 5-7 seconds until LED blinks rapidly. Move module closer to WiFi router.
Relay does not respond to APP commands.	Module offline; poor WiFi connection; APP issue.	Check module's status LED (should be solid or slowly blinking). Verify WiFi signal strength. Restart the Sinilink APP. Restart the module by cycling its power.
Connected device does not turn ON/OFF.	Incorrect load wiring; faulty load; relay contacts damaged.	Review load connection diagram in Setup section. Test the connected device independently. If relay clicks but device doesn't respond, contacts might be damaged (rare).

## WARRANTY AND SUPPORT

Specific warranty information for this "Generic" branded product is not provided in the product details. For any issues or support inquiries, please contact the seller or distributor from whom you purchased the module. They can provide assistance with troubleshooting, returns, or warranty claims as per their policies.

For general information regarding the Sinilink APP or common issues, you may also refer to the support section within the Sinilink application or their official website, if available.

