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› Yitouniu EWeLink 2-Channel Smart WiFi Switch Relay Instruction Manual

Yitouniu 1CH 85-250V

Yitouniu EWeLink 2-Channel Smart WiFi Switch Relay Instruction Manual

Model: 1CH 85-250V

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the Yitouniu EWeLink 2-Channel Smart WiFi Switch Relay. This device enables remote control of household appliances and electronic devices via a mobile application, RF remote control, and voice commands through smart assistants like Alexa and Google Home. It supports various operating modes and timing functions to enhance smart home automation.

2. SAFETY INFORMATION

- Ensure power is disconnected before installation or maintenance to prevent electric shock.
- Installation should be performed by qualified personnel or under strict adherence to electrical safety guidelines.
- Do not exceed the maximum current and voltage ratings specified for the device.
- Keep the device away from water, moisture, and extreme temperatures.
- Verify all wiring connections are secure and correct before restoring power.

3. PRODUCT OVERVIEW

The Yitouniu EWeLink Smart WiFi Switch Relay is a compact, 2-channel device designed for integrating traditional appliances into a smart home system. It features WiFi and Bluetooth connectivity for app control and supports RF 433MHz for remote control.



Image 3.1: Front view of the Yitouniu EWeLink Smart WiFi Switch Relay. The device is white with branding and connection labels visible.



Image 3.2: Close-up view of the Yitouniu EWELink Smart WiFi Switch Relay, showing input terminals (N, L), output terminals (NO, COM, NC), and model information.

Super Mini Size DIY Smart Switch Module

compatible with 95% of installation box on market



Image 3.3: The compact size of the Yitouniu EWeLink Smart WiFi Switch Relay, held in a hand for scale.

4. SPECIFICATIONS

Parameter	Value
Input Voltage	AC/DC 85-250V, Micro USB 5V input
Max Current	10A
Max Power	2200W
WiFi Standard	WiFi 2.4GHz b/n/g + Bluetooth (IEEE 802.11b/g/n)
Operating Temperature	-20°C to 70°C
Material	Flame retardant ABS
Product Dimensions	2.76 x 1.77 x 1.1 inches
Item Weight	1.76 ounces
Contact Type	Normally Open
International Protection Rating	IP65
Certification	FCC

5. SETUP AND INSTALLATION

5.1 Wiring Instructions

The device supports both AC/DC 85-250V input and Micro USB 5V input. Ensure correct wiring based on your application. The relay has Normally Open (NO), Common (COM), and Normally Closed (NC) contacts for controlling external devices.



Image 5.1: Diagram illustrating the connectivity of the Yitouniu EWeLink Smart WiFi Switch Relay to various household appliances like lights, fans, and air conditioners, all controlled via a phone app and the internet.

5.2 App Download and Pairing

1. Download the **eWeLink** app from the Apple App Store or Google Play Store.
2. Register an account and log in.
3. Power on the Smart WiFi Switch Relay.
4. Open the eWeLink app, tap the '+' icon to add a device.
5. Follow the on-screen instructions to connect the device to your 2.4GHz WiFi network.

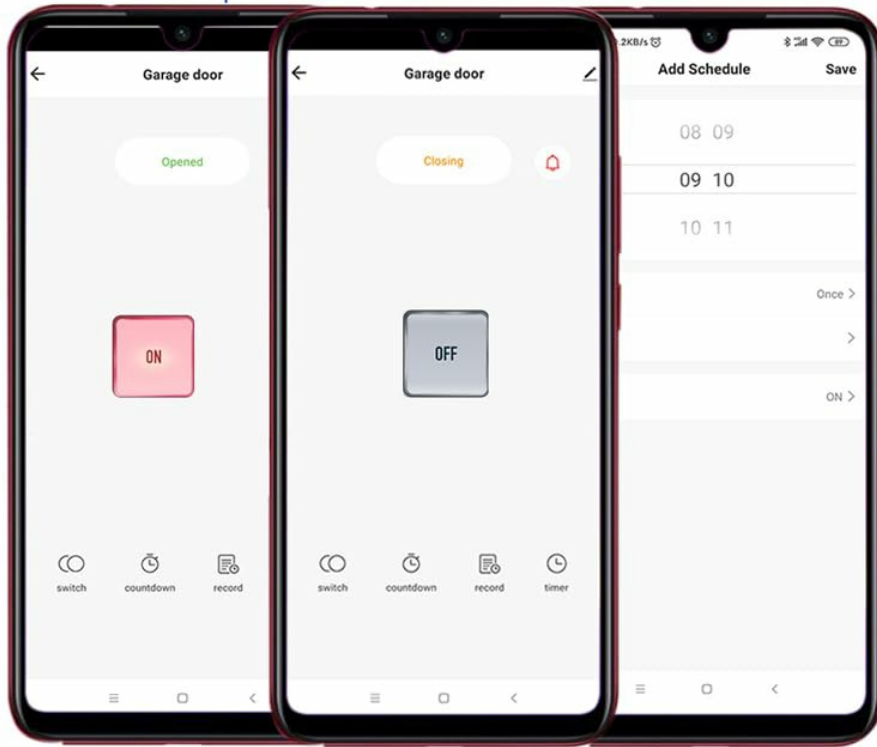


Image 5.2: Screenshots of the eWeLink app interface, showing controls for a garage door (ON/OFF) and a scheduling function for setting specific times.

6. OPERATING MODES

The device supports three operating modes: self-locking, interlocking, and inching (micromotion). These modes can typically be configured within the eWeLink app or via physical buttons on the device, depending on the specific model variant.

- **Self-locking Mode:** Each channel operates independently. Pressing the button (or app control) turns the relay ON, pressing it again turns it OFF.
- **Interlocking Mode:** When one channel is turned ON, all other channels are automatically turned OFF. This is useful for applications where only one device should be active at a time.
- **Inching (Micromotion) Mode:** The relay turns ON for a set duration (e.g., 0.5 seconds to 1 hour) and then automatically turns OFF. This is suitable for momentary actions like garage door openers or pulse controls.

7. APP CONTROL AND VOICE CONTROL

7.1 eWeLink App Features

The eWeLink app provides comprehensive control over your Smart WiFi Switch Relay:

- **Remote On/Off:** Control connected devices from anywhere with an internet connection.
- **Timing Functions:** Set schedules, countdowns, or recurring timers for automatic on/off operations.
- **Independent Control:** Each of the two channels can be controlled independently.
- **Device Sharing:** Share control of your devices with family members.
- **Group Control:** Organize multiple smart devices into groups for simultaneous control.



Image 7.1: A user remotely controlling home lighting via the eWeLink mobile application, demonstrating the convenience of app-based control.

GROUP-CONTROL FUNCTION

Intelligent products in different rooms can be set in groups
Realize group control function



Image 7.2: Illustration of the eWeLink app's group control and sharing functions, allowing multiple users to manage devices across different rooms.

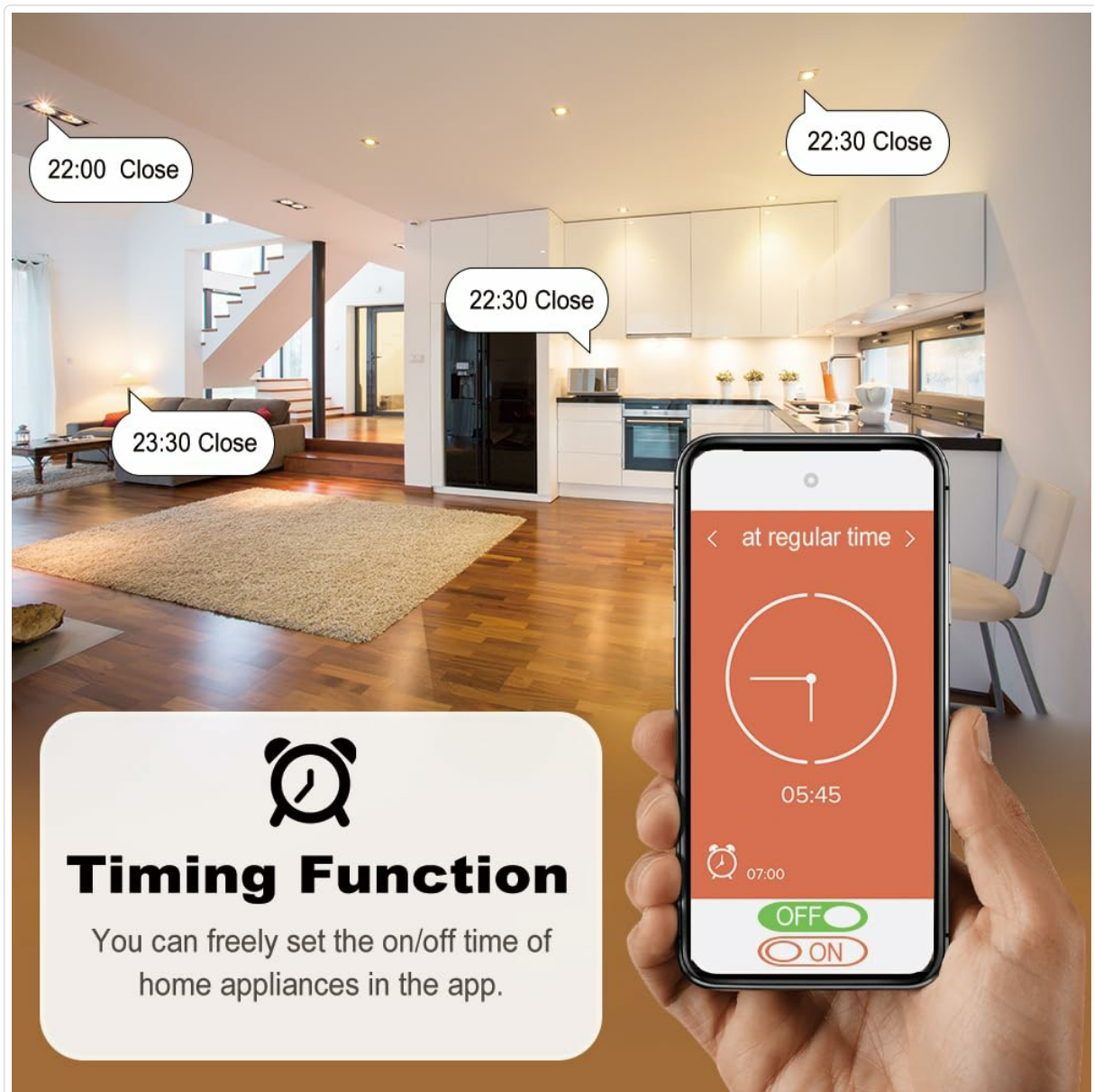


Image 7.3: The timing function interface within the eWeLink app, enabling users to set specific on/off times for connected appliances.

7.2 Voice Control Integration

The Yitouniu Smart WiFi Switch Relay is compatible with popular voice assistants, including Amazon Alexa and Google Home/Nest. To enable voice control:

1. Ensure your Smart WiFi Switch Relay is successfully paired with the eWeLink app.
2. Open the Alexa or Google Home app.
3. Navigate to the 'Skills' or 'Works with Google' section.
4. Search for and enable the 'eWeLink Smart Home' skill/service.
5. Link your eWeLink account when prompted.
6. Discover devices. Your Smart WiFi Switch Relay should now be controllable via voice commands.

Example commands:

- "Alexa, turn on the living room light."
- "Hey Google, turn off the fan."



Image 7.4: A user interacting with voice assistants like Amazon Alexa and Google Home to control smart devices, highlighting the voice control capability of the relay.

8. MAINTENANCE

The Yitouniu Smart WiFi Switch Relay requires minimal maintenance. Follow these guidelines:

- **Cleaning:** Wipe the device with a dry, soft cloth. Do not use liquid cleaners or solvents.
- **Connection Check:** Periodically inspect wiring connections to ensure they remain secure.
- **Firmware Updates:** Keep the eWeLink app updated to receive the latest firmware for the device, which may include performance improvements and new features.

9. TROUBLESHOOTING

- **Device not connecting to WiFi:**
 - Ensure your WiFi network is 2.4GHz. The device does not support 5GHz networks.
 - Check if the WiFi password entered in the app is correct.
 - Move the device closer to your WiFi router.
 - Restart the device and your router.

- **Device offline in app:**

- Verify your home internet connection is active.
- Check if the device has power.
- Restart the device.

- **Voice control not working:**

- Confirm the eWeLink skill/service is enabled and linked in your Alexa or Google Home app.
- Ensure the device is named clearly in the eWeLink app and discovered by your voice assistant.
- Check your internet connection.

- **Device not responding to RF remote:**

- Ensure the RF remote is paired with the switch. Refer to the RF pairing instructions (if applicable to your specific remote).
- Check the battery in the RF remote.

10. WHAT'S IN THE BOX

Upon opening the product packaging, you should find the following items:

- 1 x Yitouniu Wifi 2-Channel Relay Switch
- 1 x Instruction Manual (this document)

11. WARRANTY AND SUPPORT

This product comes with a standard manufacturer's warranty. For specific warranty terms, conditions, and duration, please refer to the documentation included with your purchase or contact Yitouniu customer support. For technical assistance or further inquiries, please visit the official Yitouniu website or contact their customer service channels.