Sparkleiot 32170e8d-6e3c-4d97-afc6-d468ac7383e5

Sparkleiot Tuya Mini WiFi Smart Switch Relay Module User Manual

Model: 32170e8d-6e3c-4d97-afc6-d468ac7383e5

Introduction

This user manual provides detailed instructions for the installation, operation, and maintenance of your Sparkleiot Tuya Mini WiFi Smart Switch Relay Module. This device allows you to convert traditional electrical appliances and lighting into smart, controllable devices via Wi-Fi, offering convenience through app control, voice commands, and automated scheduling.

Safety Information

- Always disconnect power at the circuit breaker before performing any electrical work.
- Installation should be performed by a qualified electrician or in accordance with local electrical codes.
- Ensure the device is used within its specified voltage (AC 100-240V) and current (16A) ratings.
- Do not expose the device to moisture or extreme temperatures.
- This device is designed for indoor use only.
- Keep out of reach of children.

Product Features

- **Voice Control:** Compatible with Amazon Alexa and Google Home Assistant for hands-free operation.
- **APP Remote Control:** Control devices from anywhere using the Tuya Smart or Smart Life APP on iOS and Android smartphones. Requires 2.4GHz Wi-Fi network (5GHz not supported).
- **Smart Scene Creation:** Automate actions by setting up smart scenes where one device triggers another, or group multiple devices for simultaneous control.
- **Timing and Scheduling:** Customize schedules and timers for automated on/off operations.

- **State Memory:** The module can resume its previous power state (on, off, or memory mode) after a power outage.
- **Compact Design:** Small size allows for installation within standard junction boxes, making existing outlets and switches smart.
- **Safety Certifications:** FCC/CP65/ROHS certified, with built-in overloading and overheating protection.

Specifications

Attribute	Value
Product Dimensions	1.85 x 1.69 x 0.98 inches
Weight	1.45 ounces
Model Number	32170e8d-6e3c-4d97-afc6-d468ac7383e5
Manufacturer	ShenZhen Doctors of Intelligence & Technology Co.,Ltd.
Operation Mode	ON-OFF-ON
Current Rating	16 Amps
Operating Voltage	220 Volts
Contact Type	Normally Open
Connector Type	Plug In
Circuit Type	2-way
Contact Material	Plastic

Package Contents

- 1 x Sparkleiot Tuya Mini WiFi Smart Switch Relay Module
- 1 x User Manual (this document)

Setup and Installation

Physical Installation and Wiring

The compact design of the smart switch allows it to be installed behind an existing light switch or within a junction box. Ensure power is off before proceeding.



Image: Mini Smart Switch installed behind a wall switch.

Refer to the following diagrams for common wiring methods. The module supports two-way control.



Image: Two common wiring diagrams for the smart switch, showing connections for a single switch and a 2-way switch setup.

App Pairing and Configuration

To pair your smart switch with the Tuya Smart or Smart Life APP, follow these steps:

1. Ensure the smart switch is powered on.
2. Long press the LED indicator button on the module for approximately 5 seconds until it makes a "di di" sound, indicating it's in pairing mode.
3. Download and open the Tuya Smart or Smart Life APP on your smartphone.
4. In the app, click "Add Device" or the "+" icon.
5. Select "Socket (Wi-Fi)" or search for the device type.
6. Confirm that the indicator light on the module is blinking rapidly.
7. Enter your 2.4GHz Wi-Fi network credentials. Note: The device only supports 2.4GHz Wi-Fi. If you have a dual-band router, ensure you are connected to the 2.4GHz network or temporarily disable the 5GHz band during pairing.
8. The app will begin searching for and adding the device. Once successfully added, you can rename it and begin controlling it.

Watch the following video for a visual guide on the connection and app pairing process:

Video: Demonstrates the physical connection and app pairing process for the Sparkleiot Tuya Mini WiFi Smart Switch.

Operation

App Control

Once paired, you can control your smart switch directly from the Tuya Smart or Smart Life APP. The app interface will typically show an ON/OFF button for immediate control. You can also access advanced settings like timing, countdowns, and smart scenes.



Image: Screenshot of the mobile app interface demonstrating remote control functionality.

Voice Control

Integrate your smart switch with Amazon Alexa or Google Home Assistant for voice-activated control. After linking your Tuya/Smart Life account in the Alexa or Google Home app, you can use commands such as:

- "Alexa, turn on [device name]."
- "Hey Google, turn off [device name]."
- "Alexa, set [device name] to 50% brightness." (If applicable to connected device)



Image: Illustration of voice control using Amazon Alexa and Google Assistant with the smart switch.

Scheduling and Smart Scenes

Utilize the app's scheduling feature to set specific times for your devices to turn on or off automatically. You can also create smart scenes to automate actions based on various conditions or triggers, such as turning on lights when you arrive home or activating multiple devices with a single tap.



Image: Depiction of the group control feature, allowing multiple users to manage devices.

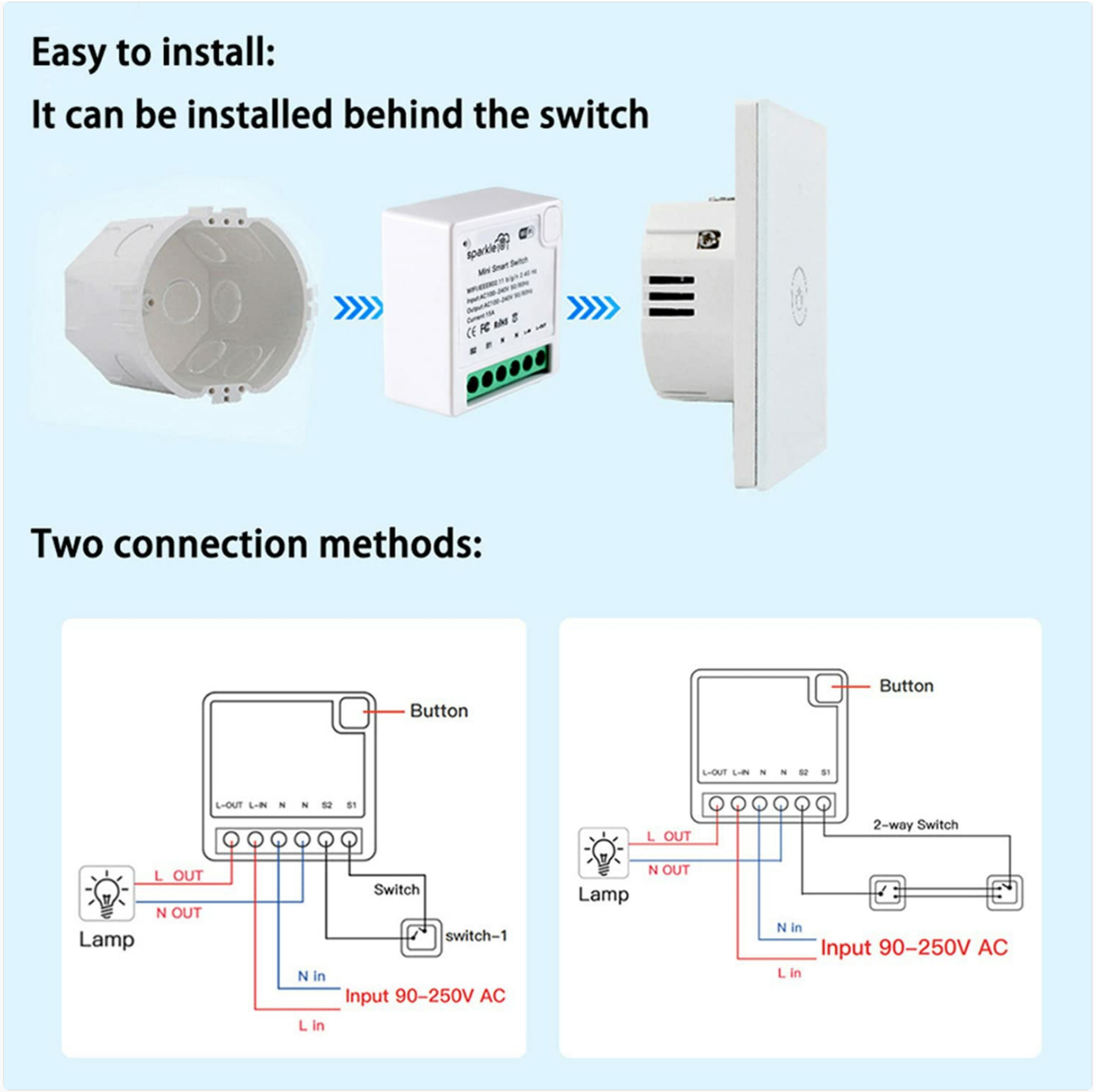


Image: Screenshot showing the state memory setting within the app, allowing users to configure how the device behaves after a power outage.

Maintenance

The Sparkleiot Mini WiFi Smart Switch requires minimal maintenance. To ensure optimal performance and longevity:

- Keep the device clean and free from dust. Use a dry, soft cloth for cleaning.
- Avoid exposing the device to direct sunlight, high humidity, or extreme temperatures.
- Do not attempt to disassemble or repair the device yourself. This will void the warranty and may pose safety risks.
- Regularly check for firmware updates through the Tuya Smart or Smart Life APP to ensure you have the latest features and security enhancements.

Troubleshooting

Issue	Possible Cause	Solution
Device fails to connect to Wi-Fi or frequently disconnects.	Incorrect Wi-Fi band (5GHz), weak Wi-Fi signal, incorrect password, router issues.	Ensure your router is set to 2.4GHz or that your phone is connected to the 2.4GHz band during pairing. Move the device closer to the router. Verify Wi-Fi password. Restart your router.
Device does not respond to app commands.	No internet connection, device offline, app glitch.	Check your home internet connection. Verify the device's status in the app. Restart the app. Power cycle the smart switch.
Voice control not working.	Incorrect device name, account not linked, voice assistant issues.	Ensure the device name in the smart home app is recognized by your voice assistant. Relink your Tuya/Smart Life account in the Alexa/Google Home app. Try retraining your voice assistant.
Relay state is incorrect (e.g., Normally Closed instead of Normally Open).	Misconfiguration or specific product variant behavior.	Check the device settings within the Tuya Smart/Smart Life APP for options to reverse or adjust the relay's default state. If no such option exists, the device may have a fixed contact type.
Device LED indicator is not behaving as expected.	Device not powered, not in pairing mode, or fault.	Ensure the device is receiving power. Long press the button to enter pairing mode (rapid blinking). If issues persist, contact support.

Warranty and Support

For detailed warranty information and further technical support, please refer to the official Sparkleiot resources.

- An official User Manual (PDF) can be found here.
- Visit the official Sparkleiot Store on Amazon for product updates and additional information: Sparkleiot Store.

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Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question