

- › [SONOFF](#) /
- › [SONOFF MINI R3 Smart Switch User Manual](#)

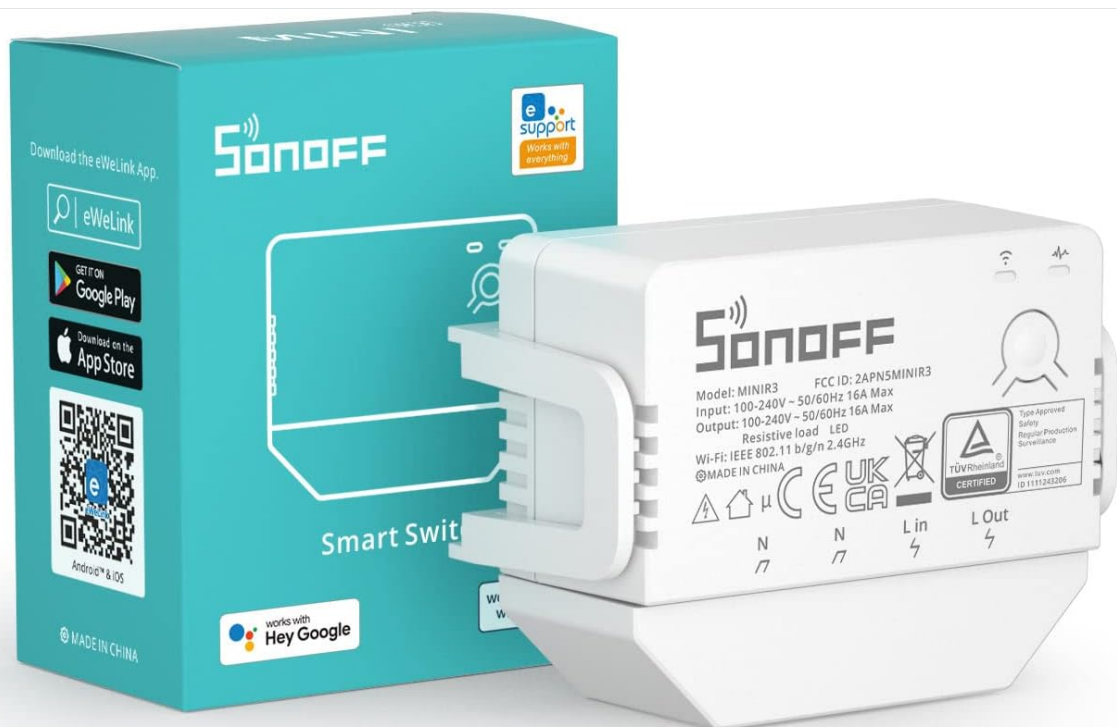
SONOFF MINIR3

SONOFF MINI R3 Smart Switch User Manual

Model: MINIR3 | Brand: SONOFF

1. INTRODUCTION

The SONOFF MINI R3 is a compact and powerful smart switch designed to transform your traditional appliances and lighting into smart devices. With a maximum load current of 16A, it offers robust control for various home applications. This manual provides detailed instructions for installation, operation, and troubleshooting to ensure a seamless smart home experience.

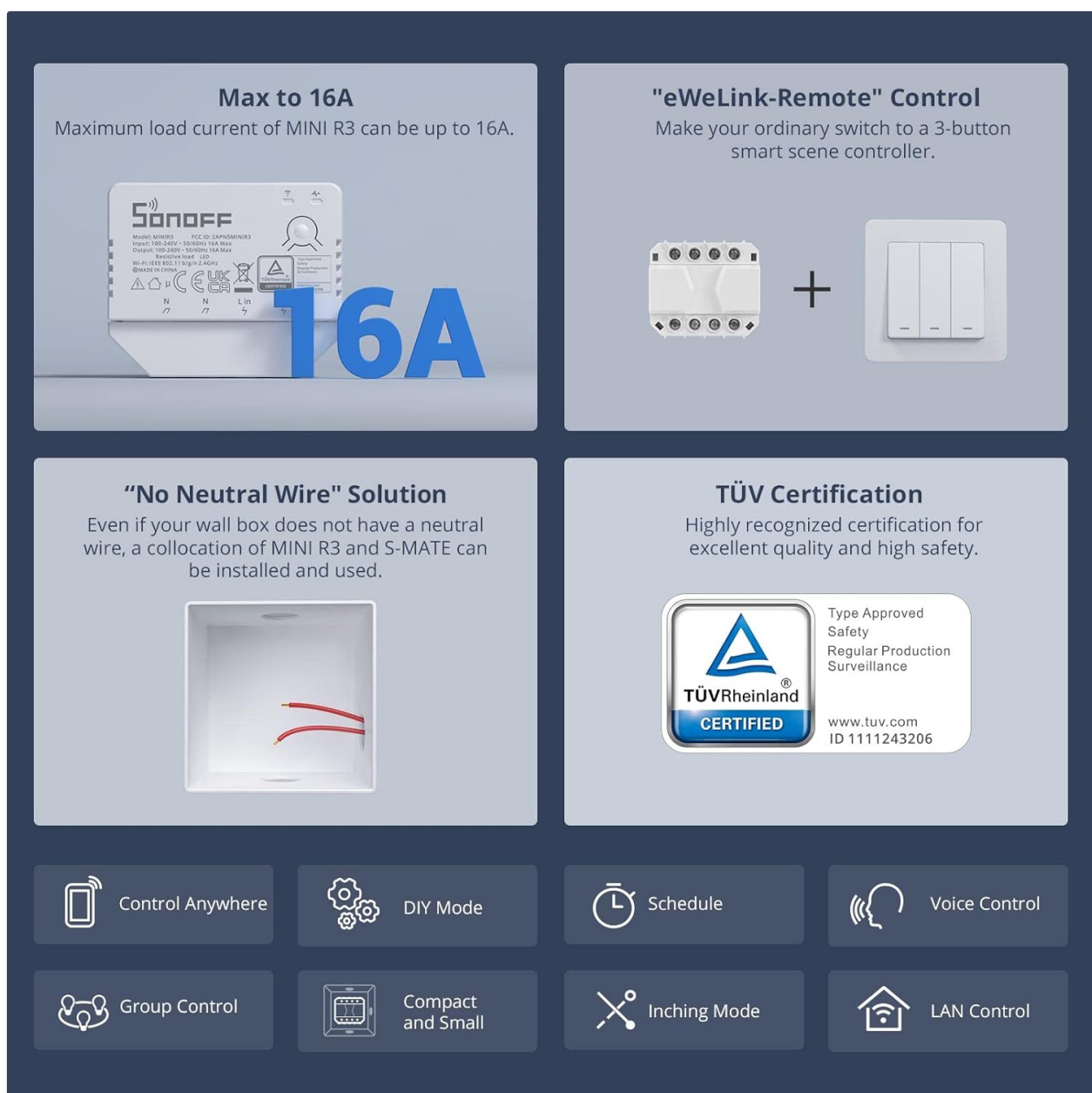


The SONOFF MINI R3 Smart Switch, a compact device designed for smart home integration, shown alongside its retail packaging. The packaging highlights compatibility with eWeLink app, Google Assistant, and Alexa.

2. PRODUCT OVERVIEW AND FEATURES

The MINI R3 offers a range of features for comprehensive home automation:

- **Maximum Load Current 16A:** Capable of handling high-power appliances.
- **eWeLink-Remote Control:** Enables control via a 3-button smart scene controller (e.g., SONOFF S-MATE).
- **No Neutral Wire Solution:** Can be installed in switch boxes without a neutral wire when paired with S-MATE.
- **Open REST API:** Allows integration with existing home automation systems like Home Assistant via LAN.
- **Voice Control:** Compatible with Amazon Alexa, Google Assistant, and Alice.
- **Scheduling & Timer Functions:** Automate device operation based on time.
- **DIY Mode:** For advanced customization.
- **Compact Size:** Designed for easy installation in standard switch boxes.
- **Certified Safety:** TUV, CE, and FCC certified for reliability and safety.



An infographic detailing the main features of the SONOFF MINI R3: 16A maximum load, eWeLink-Remote control capability, a solution for installations without a neutral wire, and TÜV Rheinland certification for safety and quality. Additional icons indicate control anywhere, DIY mode, schedule, voice control, group control, compact size, inching mode, and LAN control.

What's in the Box:

- Smart Switch x 1
- Mounting base x 1
- Quick guide x 1

3. SETUP AND INSTALLATION

3.1 Wiring Diagram

Ensure power is OFF before wiring. Follow the appropriate wiring diagram for your setup. The MINI R3 supports both neutral wire and no-neutral wire solutions (when paired with S-MATE).

Why MINI R3 & S-MATE?

S-MATE can connect the ordinary 1/2/3-button wall switch which acts as a remote controller. After pairing with MINI R3, MINI R3 can be controlled locally by S-MATE through eWeLink-Remote signal. S-MATE is battery-powered, so it does not require a neutral wire in the mounting box.



A visual explanation of how the SONOFF MINI R3 and S-MATE work together. The S-MATE connects to an ordinary wall switch, acting as a remote controller, and communicates with the MINI R3 via eWeLink-Remote signal. The S-MATE is battery-powered, eliminating the need for a neutral wire in the switch box.

3.2 App Installation

Download the eWeLink app to control your SONOFF MINI R3. The app is available on both Android and iOS platforms.

Scan the QR code or visit the link below to download:

[Download eWeLink App](#)



The side of the SONOFF Smart Switch packaging, providing instructions to download the eWeLink App via QR code or direct links to Google Play and App Store, and stating 'MADE IN CHINA'.

3.3 Pairing Your Device

Follow the in-app instructions to pair your MINI R3 with the eWeLink app. For pairing with S-MATE, ensure both devices are powered on and follow the specific pairing mode instructions in the app.

"New" Smart Switch Solution For Switch Box with No Neutral Wire



16A



"No Neutral Wire"
Solution

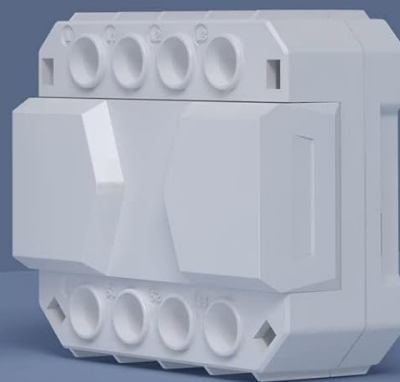


Remain Existing
Switches

MINI R3
1-gang Wi-Fi Smart Switch



S-MATE
Switch Mate



A side-by-side view of the SONOFF MINI R3 and the S-MATE, emphasizing their combined solution for switch boxes without a neutral wire. Key benefits highlighted are 16A capacity, no neutral wire solution, and ability to retain existing switches.

4. OPERATING INSTRUCTIONS

4.1 Basic On/Off Control

Once paired, you can turn the connected device on or off directly from the eWeLink app. You can also use the physical switch if an S-MATE is connected.

4.2 Remote Control (eWeLink-Remote)

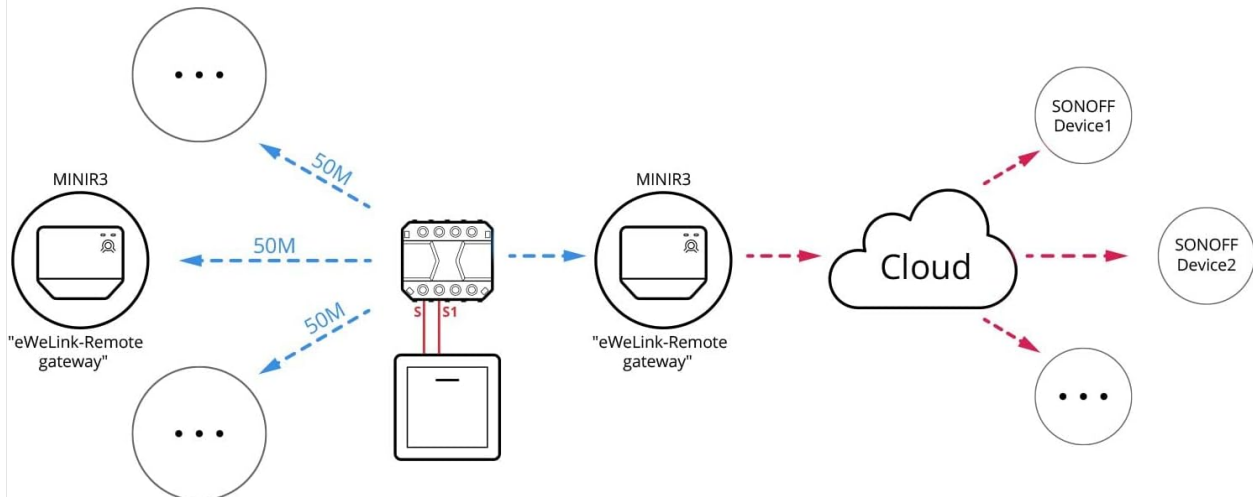
The MINI R3 acts as an eWeLink-Remote gateway. When paired with an S-MATE, you can control the MINI R3 and other smart devices even without an internet connection (LAN control).

S-MATE's Control Ways

After adding the S-MATE to the "eWeLink-Remote gateway" like MINIR3 (and more in the future), it can achieve the following two control ways.

▼ Control the devices built in "eWeLink-Remote gateway" when no Internet is available.

▼ Trigger other smart devices in the smart scene.



A technical diagram illustrating two control methods for the S-MATE: controlling devices built into the 'eWeLink-Remote gateway' (MINI R3) when no internet is available, and triggering other smart devices in a smart scene via cloud connection.

4.3 Voice Control

Integrate your MINI R3 with popular voice assistants for hands-free control:

- **Amazon Alexa:** Link your eWeLink account in the Alexa app.
- **Google Assistant:** Link your eWeLink account in the Google Home app.
- **Alice:** (Specific regional support may vary)

Your Best Home Automation Solution

Easily make your lights and appliances smart and live.



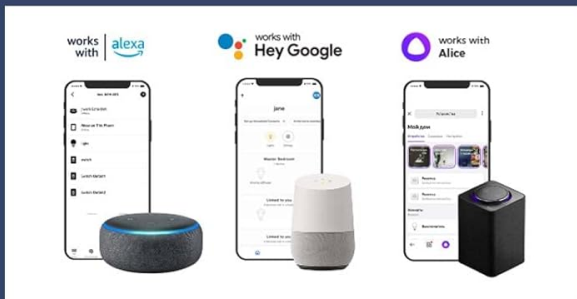
Control Your Devices No Matter Where You Are

With the sync status on eWeLink App, your worry about leaving the appliances on at home is no longer a concern. Just pull out your phone and tap on it.



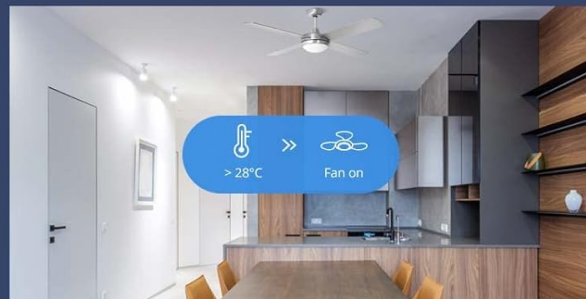
Say Your Needs Out!

Siri voice control is a shortcut of Siri in eWeLink App, MINI R3 does not support Homekit temporarily.



No Smartphone Around? Use Your Voice!

All set up on the sofa with shoes off and popcorn in your hand, but forget to turn off the light? With the help of voice assistants, no need to stand up to switch off the lights. Just say your needs out!



Set A Smart Scene And Make Your Life Even Smarter



*These are the smart scenes that you can set on eWeLink App.

A collage showcasing the home automation capabilities: controlling devices remotely via the eWeLink app, using Siri voice control (with a note about HomeKit temporary non-support), integrating with Alexa, Google Assistant, and Alice, and setting up smart scenes for automated actions like temperature-based fan control.

4.4 Scheduling and Smart Scenes

Use the eWeLink app to set schedules for your devices to turn on/off automatically. Create smart scenes to trigger actions based on various conditions (e.g., turn on lights when motion is detected, or control a fan based on temperature).

4.5 DIY Mode and LAN Control

For advanced users, the MINI R3 supports DIY mode and LAN control, allowing integration with local home automation platforms without relying on cloud services.

5. MAINTENANCE

The SONOFF MINI R3 requires minimal maintenance. Ensure the device is kept in a dry environment and away from extreme temperatures. Periodically check wiring connections for security. Firmware updates will be pushed via the eWeLink app; ensure your device is updated for optimal performance and security.

6. TROUBLESHOOTING

If you encounter issues with your SONOFF MINI R3, consider the following common problems and solutions:

- **Device Offline:** Check Wi-Fi connectivity. Ensure the device is within range of your router. Restart the device and router.
- **Pairing Failure:** Ensure the device is in pairing mode. Check your Wi-Fi password and network type (2.4GHz only).
- **No Neutral Wire Issue:** If your switch box lacks a neutral wire, ensure you are using the SONOFF S-MATE for proper functionality.
- **Physical Switch Not Responding (with S-MATE):** Check the battery in the S-MATE. Ensure the S-MATE is correctly paired with the MINI R3.

Have You Ever Met These Problems?

When you consider a simpler way to set up and control your smart home, have you ever met these similar situations?



Illustrations depicting common issues users face with smart home setups, such as smart lights going offline when the physical switch is off, the absence of a neutral wire in the mounting box, and smart switches not matching existing decor styles.

For further assistance, refer to the eWeLink app's help section or contact SONOFF support.

7. SPECIFICATIONS

Attribute	Value
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Attribute	Value
Manufacturer	SONOFF
Model Number	MINIR3
Part Number	MINIR3
Input Voltage	100-240V ~ 50/60Hz
Output Voltage	100-240V ~ 50/60Hz
Max. Load Current	16A
Max. Power	3840W
Wi-Fi Standard	IEEE 802.11 b/g/n 2.4GHz
Color	White
Casing Material	Plastic
Product Dimensions	5.4 x 4.5 x 2.4 cm
Item Weight	50g
Certifications	CE, TUV, FCC
Mounting Type	Wall Mount

8. SAFETY INFORMATION

Always ensure power is disconnected before performing any installation or maintenance. This device should be installed by a qualified electrician in accordance with local electrical codes. Do not expose the device to moisture or extreme temperatures. For indoor use only.

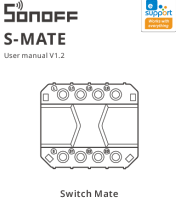

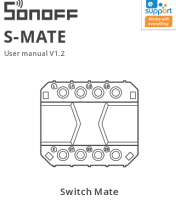
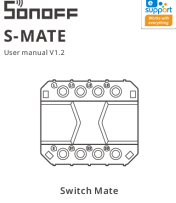


9. WARRANTY AND SUPPORT

For warranty information and technical support, please visit the official SONOFF website or contact their customer service. Details can often be found on the product packaging or the quick guide included with your device.

Manufacturer: Shenzhen Sonoff Technologies Co., Ltd.

Website: sonoff.tech

Service Email: support@itead.cc

 <p>SONOFF S-MATE User manual V1.2</p> <p>Switch Mate</p>	<p>SONOFF S-MATE User Manual</p> <p>User manual for the SONOFF S-MATE, an eWeLink-Remote sub-device for smart switches. Includes product introduction, features, operating instructions, wiring diagrams, specifications, and battery replacement guide.</p>
	<p>Sonoff S-MATE V1.2 Quick Start Guide: Smart Switch Controller Setup</p> <p>Concise HTML guide for setting up the Sonoff S-MATE V1.2 smart switch controller, including battery installation, wiring instructions, eWeLink integration, and compliance information.</p>
 <p>SONOFF S-MATE User manual V1.2</p> <p>Switch Mate</p>	<p>SONOFF S-MATE User Manual: Features, Wiring, and Specifications</p> <p>Comprehensive user manual for the SONOFF S-MATE, detailing its features as an eWeLink-Remote sub-device, wiring instructions for MINIR3 integration, technical specifications, and FCC compliance information.</p>
 <p>SONOFF S-MATE User manual V1.2</p> <p>Switch Mate</p> <p>中文——1-3 English——4-6 FCC Warning——7</p>	<p>Sonoff S-MATE User Manual V1.2</p> <p>User manual for the Sonoff S-MATE, a smart switch accessory that connects to ordinary rocker or pulse switches, allowing for local and cloud control of smart devices. Includes features, wiring instructions, specifications, and FCC warnings.</p>
 <p>SONOFF MINIR3 User manual V1.2</p> <p>Smart Switch</p> <p>中文——1-5 English——6-11 FCC Warning——12</p>	<p>Sonoff MINIR3 Smart Switch User Manual V1.2</p> <p>User manual for the Sonoff MINIR3 smart switch, detailing its features, installation, wiring, pairing with the eWeLink app, DIY mode, specifications, and troubleshooting.</p>
	<p>SONOFF Product Brochure: Smart Home Automation Devices</p> <p>Explore the SONOFF product catalog featuring a wide range of smart switches, plugs, lighting, and security devices for intelligent home automation. Discover features like remote control, voice control, and compatibility with major smart home ecosystems.</p>