SONOFF MINIR4

SONOFF MINIR4 Smart WiFi Extreme Wireless Light Switch

USER MANUAL
Model: MINIR4 | Brand: SONOFF

1. Introduction

The SONOFF MINIR4 is a compact and versatile Smart WiFi Extreme Wireless Light Switch designed to transform traditional switches into smart, automated controls for your home lighting and electronic devices. Its super tiny size allows for installation in various mounting boxes, including the smallest European standard. This module offers advanced features like 'detach relay' mode and eWeLink-Remote control, providing flexible and convenient smart home solutions compatible with popular voice assistants like Alexa and Google Home.

Image: Two SONOFF MINIR4 smart switches, showcasing their compact design and connection terminals.

2. Product Features

- **Super Tiny Size:** Compact design fits into various mounting boxes, including the smallest European standard.
- **External Switch Control:** Compatible with momentary, door exit, SPDT, latching switches, and dry contact sensors.
- **Detach Relay Mode:** Separates external switch states from relay states, preventing unintended relay changes.
- **eWeLink-Remote Control:** Functions as a gateway for eWeLink-Remote sub-devices (R5, S-MATE) for local control.
- **Voice Control:** Seamless integration with Alexa and Google Home Assistant.
- **Reliable Certifications:** TÜV, CE, and FCC certified for safety and reliability.
- **Ultra-fast ESP32 Chip:** Ensures stable and long-lasting operation with enhanced performance.

Smallest Wi-Fi Smart Switch Ever

SONOFF MINI Extreme Wi-Fi Smart Switch

Image: A hand holding the SONOFF MINIR4, illustrating its remarkably small size, marketed as the 'Smallest Wi-Fi Smart Switch Ever'.

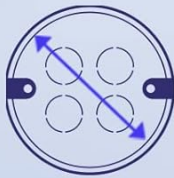# Mini than Ever,
Adapts to Various Boxes

A brand new product that turns traditional switches into smart switches, automating lights and electronic devices. It's 40% smaller than MINIR2, fits in various mounting boxes, including the smallest European standard ones.

40% smaller than MINIR2

60% smaller than MINIR3

60mm(2.36inch)

Image: The SONOFF MINIR4 shown installed within a standard wall-mounted switch box, highlighting its adaptability and smaller size compared to previous models (MINIR2 and MINIR3).

Ultra-fast ESP32 Chip

The ESP32 chip is a highly sought-after solution for smart home products, boasting exceptional safety and reliability. With its speedy dual-core performance and ample memory, you can trust its ability to provide long-lasting and stable operation.

ESP32 (2 core)
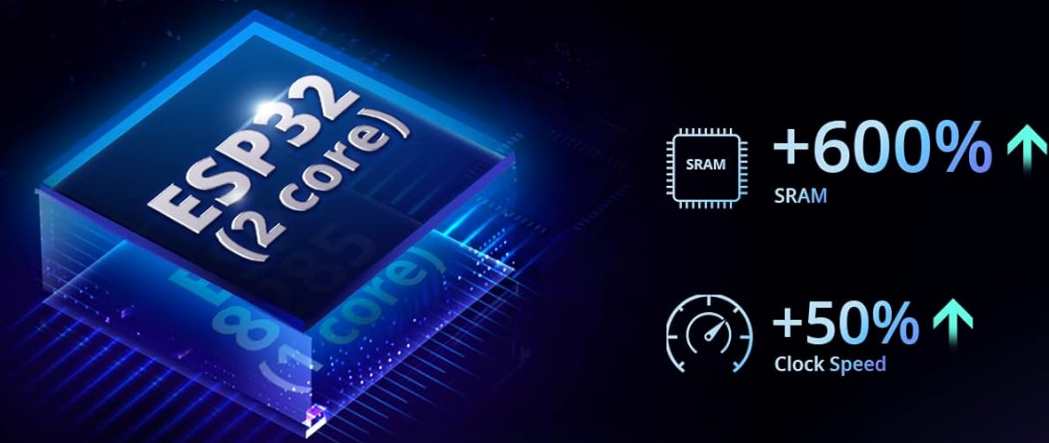
+600% ↑
SRAM

+50% ↑
Clock Speed

Image: A visual representation of the ESP32 (2 core) chip, emphasizing its ultra-fast processing capabilities and improved SRAM and clock speed for reliable performance.

3. Safety Information

Please read and understand all safety instructions before installing or operating the SONOFF MINIR4. Improper installation can lead to electric shock, fire, or other hazards.

- Always disconnect power at the circuit breaker before installation or maintenance.
- Installation should be performed by a qualified electrician or a person with a thorough understanding of electrical wiring.
- Ensure the device is used within its specified electrical ratings (10A, 120V).
- Do not expose the device to moisture or extreme temperatures.
- Verify all connections are secure and properly insulated.
- This device requires both Live and Neutral wires for operation.

4. Package Contents

The SONOFF MINIR4 package typically includes:

- SONOFF MINIR4 Wi-Fi Smart Switch (quantity as per pack)
- Quick Guide / User Manual

Image: The front of the SONOFF MINIR4 product packaging, displaying the product name and compatibility logos.

Image: The back of the SONOFF MINIR4 product packaging, detailing product specifications, manufacturer information, and package contents.

5. Setup and Installation

The MINIR4 is designed for easy integration behind existing wall switches. Follow these steps for installation and initial setup:

1. **Power Off:** Before any wiring, ensure the main power supply to the circuit is turned off at the circuit breaker.

2. **Wiring:** Connect the Live (L) and Neutral (N) wires to the corresponding terminals on the MINIR4. Connect the input and output wires for your light or device. The MINIR4 supports various external switch types, including momentary, rocker, SPDT, and dry contact sensors. Refer to the wiring diagrams provided in the quick guide for specific configurations.

3. **Mounting:** Due to its compact size, the MINIR4 can be placed inside the wall box behind your existing switch.

4. **Power On:** Restore power at the circuit breaker. The device will enter pairing mode (indicated by a blinking LED).

5. **App Pairing:** Download the eWeLink app from your smartphone's app store. Open the app, register or log in, and follow the on-screen instructions to add the MINIR4 device. Ensure your phone is connected to a 2.4GHz Wi-Fi network.

6. **Testing:** Once paired, test the switch functionality via the eWeLink app and your physical wall switch.

Transform Your Switches with Seamless Compatibility

Easily connect to momentary switch, door exit switch, SPDT switch, latching switch, and even dry contact sensors.

Door Switch   Rocker Switch   Momentary Switch   SPDT Switch

Image: A diagram illustrating how the SONOFF MINIR4 can be seamlessly integrated with different types of switches, including door switches, rocker switches, momentary switches, and SPDT switches, with wiring examples.

6. Operating Instructions

The SONOFF MINIR4 offers multiple ways to control your connected devices:

- **Manual Control:** Use your existing physical wall switch to turn the connected device on or off.
- **eWeLink App Control:** Control the device remotely from anywhere using the eWeLink app on your smartphone.
- **Voice Control:** Integrate with Amazon Alexa or Google Home Assistant for hands-free control. Simply say commands like "Alexa, turn off the light" or "Hey Google, turn on the fan."
- **eWeLink-Remote Sub-devices:** Pair with SONOFF R5 or S-MATE devices to use them as remote controllers for the MINIR4 locally, leveraging the eWeLink-Remote signal.
- **Scheduling and Timers:** Set schedules, countdowns, or loop timers within the eWeLink app to automate your devices.

- **Smart Scenes:** Create custom smart scenes in the eWeLink app to automate actions based on other smart devices (e.g., motion sensors, door/window sensors).

- **Detach Relay Mode:** This advanced mode allows the external switch and the relay to operate independently. When enabled, operating the physical switch will not change the relay's state, which is useful for maintaining smart control while still allowing physical input without affecting automation.

Multiple Control Method

After pairing with MINIR4, both R5 and S-MATE can act as remote controllers to control MINIR4 locally through the eWeLink-Remote signal.
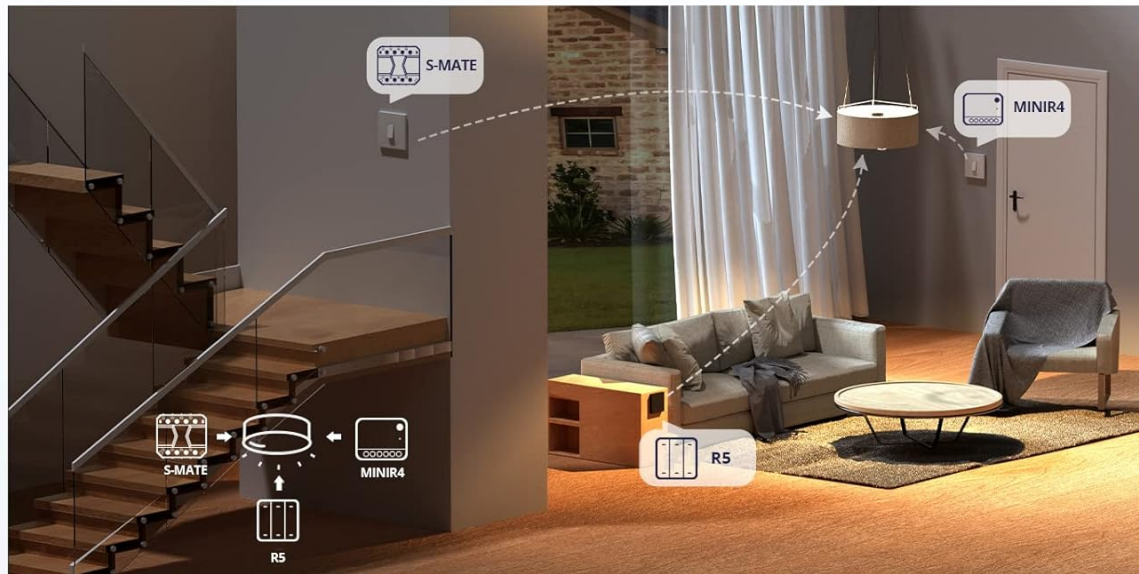
Set Timers
Turn on/off your appliances automatically to make life easier.
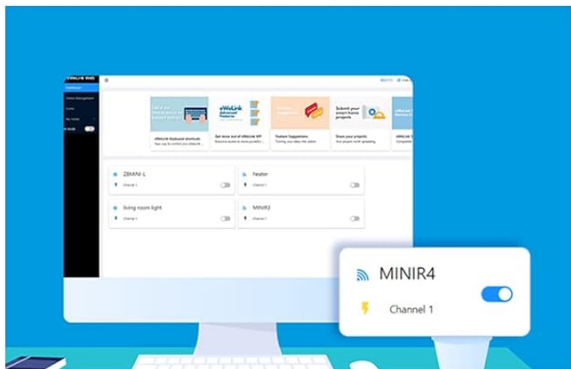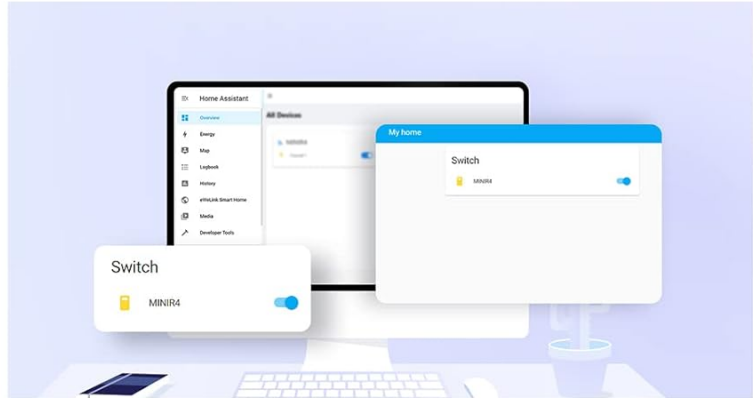
Voice Control
Free your hands and control devices with one command.

Image: A visual representation of the multiple control methods available for the SONOFF MINIR4, including control via R5 and S-MATE eWeLink-Remote devices, setting timers, and using voice commands with Alexa or Google Home.

Explore More Possibilities

Add to Home Assistant

eWeLink Web

IFTTT

*The "eWeLink Web" and "IFTTT" are part of eWeLink Advanced Plan.

Image: Screenshots illustrating additional possibilities for the SONOFF MINIR4, including integration with Home Assistant, control via eWeLink Web, and compatibility with IFTTT (Note: eWeLink Web and IFTTT may require an eWeLink Advanced Plan).

Image: An illustration demonstrating a 'Smart Scene' where the SONOFF MINIR4 works with motion sensors, door and window sensors, and other devices to automate home lighting based on presence.

7. Maintenance

To ensure optimal performance and longevity of your SONOFF MINIR4:

- **Cleaning:** Gently wipe the device with a dry, soft cloth. Do not use liquid cleaners or aerosols.
- **Firmware Updates:** Regularly check for and install firmware updates via the eWeLink app to ensure the device has the latest features and security enhancements.
- **Environmental Conditions:** Avoid exposing the device to excessive heat, cold, or humidity.

8. Troubleshooting

If you encounter issues with your SONOFF MINIR4, refer to the following common problems and solutions:

Problem	Possible Cause / Solution
Device not powering on.	Check circuit breaker. Ensure Live and Neutral wires are correctly connected and power is supplied.
Cannot pair with eWeLink app.	Ensure your Wi-Fi network is 2.4GHz. Check Wi-Fi signal strength. Reset the device to pairing mode (refer to quick guide for reset procedure). Ensure correct Wi-Fi password is entered.
Device frequently disconnects from Wi-Fi.	Weak Wi-Fi signal. Move router closer or use a Wi-Fi extender. Too many devices on the network. Router interference. Ensure firmware is up to date.
Physical switch not controlling the device.	Check wiring of the external switch to S1/S2 terminals. Verify 'Detach Relay Mode' is not enabled if you expect the physical switch to directly control the relay.
Voice control not working.	Ensure the MINIR4 is correctly linked to Alexa/Google Home in the eWeLink app. Check internet connection. Verify device name in voice assistant app matches the one in eWeLink.

9. Specifications

Attribute	Value
Model Number	MINIR4
Product Dimensions	1.56 x 1.3 x 0.66 inches; 2.4 ounces
Operation Mode	ON-OFF
Current Rating	10 Amps
Operating Voltage	120 Volts
Contact Type	Normally Closed
Connector Type	Wireless
Brand	SONOFF
Terminal	Button
Actuator Type	Electronic Switch
Contact Material	Plastic

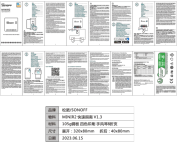| Attribute	Value
Manufacturer	SONOFF
Wi-Fi Standard	IEEE 802.11 b/g/n 2.4GHz

10. Warranty and Support

SONOFF products are designed and manufactured to the highest quality standards. For warranty information and technical support, please refer to the official SONOFF website or contact their customer service directly. The eWeLink app also provides in-app support and resources.
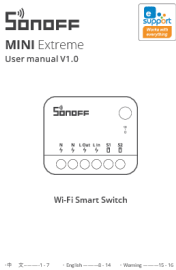
Manufacturer: SONOFF

Website: sonoff.tech

Email: support@itead.cc

Related Documents - MINIR4

SONOFF MINIR2 Quick Start Guide - Smart WiFi Switch Installation

Detailed instructions and setup guide for the SONOFF MINIR2 smart WiFi switch. Learn how to install, connect, and use this 2-way smart switch with Alexa, Google Home, and the eWeLink app.

Especificaciones del Producto SONOFF ZBMINI Extreme

Especificaciones detalladas para el SONOFF ZBMINI Extreme, un interruptor inteligente Zigbee que no requiere cable neutro. Incluye datos técnicos, características, compatibilidad y detalles de instalación.

[SONOFF ZBMINI Extreme Zigbee Smart Switch User Manual V1.0](#)
User manual for the SONOFF ZBMINI Extreme Zigbee Smart Switch (Model ZBMINIL2), detailing product introduction, installation, wiring, pairing with eWeLink and Amazon Alexa, features, specifications, factory reset, and regulatory information.

[SONOFF MINI Extreme Wi-Fi Smart Switch User Manual](#)
User manual for the SONOFF MINI Extreme Wi-Fi Smart Switch, covering product introduction, features, installation, wiring instructions, pairing with the eWeLink app, specifications, and troubleshooting.

[Sonoff L1 Smart LED Light Strip User Manual | Setup, Features, and Control](#)
Comprehensive user manual for the Sonoff L1 Smart LED Light Strip. Learn about its features, specifications, installation, Wi-Fi setup, app control, voice assistant compatibility, and troubleshooting tips.

SONOFF

TH R3/Elite
User manual V1.0

TH R3   TH Elite

Smart Temperature and Humidity
Monitoring Switch

[SONOFF TH R3/Elite Smart Temperature and Humidity Monitoring Switch User Manual V1.0](#)
Comprehensive user manual for the SONOFF TH R3 and TH Elite smart temperature and humidity monitoring switches. Covers product introduction, features, installation, wiring, device pairing via eWeLink app, voice control setup with Amazon Alexa, technical specifications, LAN control, and troubleshooting common issues.