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› [SONOFF ZBMINIL2 Zigbee Smart Light Switch User Manual](#)

SONOFF ZBMINIL2

SONOFF ZBMINIL2 Zigbee Smart Light Switch User Manual

1. INTRODUCTION

The SONOFF ZBMINIL2 is a compact Zigbee smart switch designed to convert traditional light switches into smart switches. This device operates without a neutral wire, making it suitable for various electrical installations, including older homes. It enables remote control of lighting via a compatible Zigbee hub and supports voice control through platforms such as Amazon Alexa and Google Home. The ZBMINIL2 also supports two-way control, scene linkage, and smart timer functions to enhance your home automation experience.



Figure 1: SONOFF ZBMINIL2 Zigbee Smart Light Switches.

2. SAFETY INFORMATION

Please read this manual carefully before installation and operation. Failure to follow these instructions could result in electric shock, fire, or other hazards. Always ensure the power supply is disconnected before performing any electrical work.

- **Disconnect Power:** Always turn off the main circuit breaker before installation.
- **Qualified Electrician:** If you are unsure about electrical wiring, consult a qualified electrician.
- **Indoor Use Only:** This device is designed for indoor use in dry environments.
- **Operating Voltage:** Ensure the operating voltage (100-240V AC) matches your electrical system.
- **Current Rating:** Do not exceed the maximum current rating of 6 Amps.

3. PACKAGE CONTENTS

- SONOFF ZBMINIL2 Zigbee Smart Switch (quantity as purchased)
- User Manual

4. SETUP AND INSTALLATION

4.1 Product Overview

The ZBMINIL2 is designed for discreet installation behind existing wall switches. Its ultra-compact size allows it to fit into most standard electrical boxes, including those with limited space.



Figure 2: Compact size of the ZBMINIL2 for easy installation.

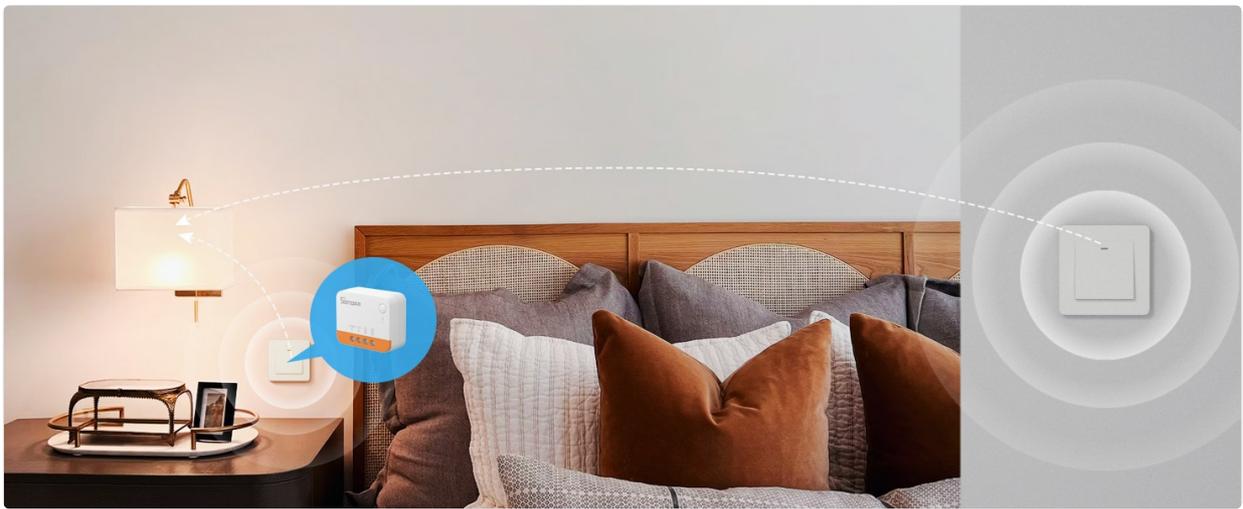


Figure 3: ZBMINI2 installed within a wall box.

4.2 Wiring Instructions

The ZBMINI2 does not require a neutral wire for operation, simplifying installation in many existing setups. Always ensure power is off before wiring.



Figure 4: No neutral wire required for installation.

1. **Power Off:** Turn off the power at the circuit breaker before starting any wiring.
2. **Connect Line In (L_in):** Connect the live wire from your power source to the 'L_in' terminal on the ZBMINIL2.
3. **Connect Line Out (L_out):** Connect the live wire going to your light fixture to the 'L_out' terminal on the ZBMINIL2.
4. **Connect External Switch (S1/S2):** Connect your traditional wall switch to the 'S1' and 'S2' terminals. The ZBMINIL2 supports both rocker and push-button type switches.
5. **Secure Connections:** Ensure all wire connections are secure.
6. **Mount Device:** Carefully place the ZBMINIL2 inside the electrical box behind your wall switch.
7. **Restore Power:** Turn the power back on at the circuit breaker.

4.2.1 Wiring with One External Switch Control



Figure 5: Wiring diagram for single external switch.

4.2.2 Wiring with Two-Way Switch Control

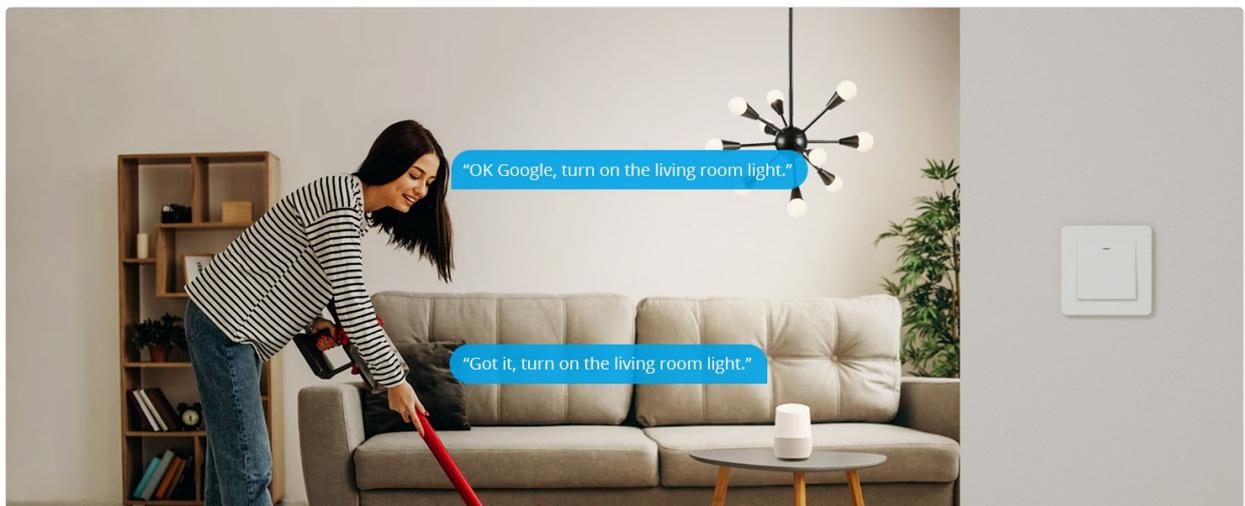


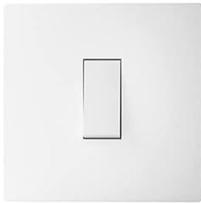
Figure 6: Wiring diagram for two-way switch control.

External Switch Supported



*Please switch to the corresponding external switch type before installing completed.

Rocker light switch



Push button wall switch



Figure 7: ZBMINIL2 supports both rocker and push-button wall switches.

4.3 Pairing with a Zigbee Hub

The ZBMINIL2 requires a compatible Zigbee hub (e.g., SONOFF ZBBridge Pro, SmartThings Hub, Amazon Alexa Echo Speaker with built-in Zigbee hub, NSPanel Pro, ZBDongle-P/E) for smart functionality.

Compatible With More Zigbee Hubs

Work with Amazon Alexa Echo Speaker (Built-in Zigbee Hub) ,
no need for extra Zigbee Hub.



ZB Bridge Pro



SmartThings Hub



Amazon Alexa Echo Speaker



NSPanel Pro



ZBDongle-P/E

*ZBMINIL2 Works As A Zigbee End Device

Figure 8: Compatible Zigbee Hubs.

1. **Power On:** Ensure the ZBMINIL2 is correctly wired and power is restored.
2. **Enter Pairing Mode:** Refer to your specific Zigbee hub's instructions to put it into pairing mode. For the ZBMINIL2, you may need to press the small button on the device or toggle the connected physical switch a few times (refer to the device's quick start guide for exact method).
3. **Discover Device:** Your Zigbee hub should detect the ZBMINIL2. Follow the on-screen prompts in your hub's application to complete the pairing process.
4. **Rename Device:** Once paired, rename the device in your app for easy identification (e.g., "Living Room Light").

4.3.1 Pairing via eWeLink App (with ZBBridge-P)

Wiring with One External Switch control

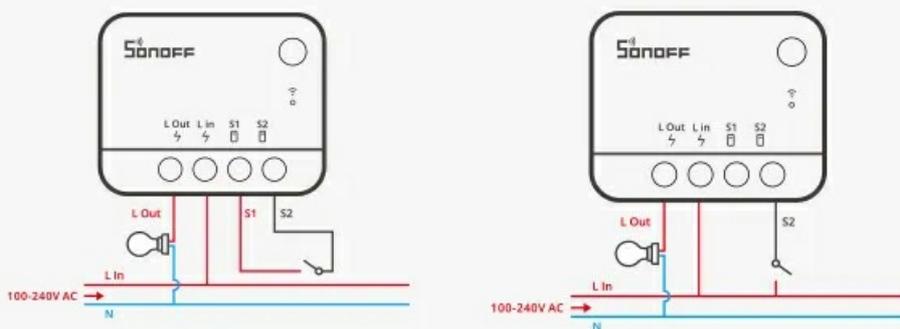


Figure 9: eWeLink App pairing steps.

1. Log in to the eWeLink Smart Home App and select 'Add Device'.
2. Enter your 2.4GHz WiFi password and follow the instructions.
3. Discover and add your ZBBridge-P.
4. Click into ZBBridge-P and select 'Add Subdevices' to add the ZBMINIL2.

4.3.2 Adding to Home Assistant

Wiring with 2-way Switch control

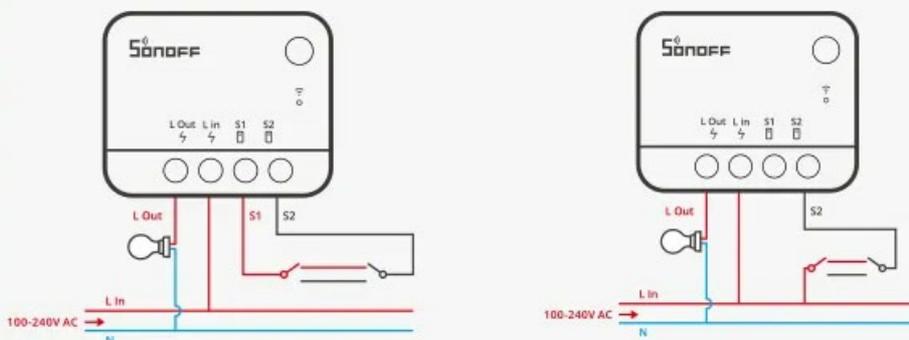


Figure 10: Adding ZBMINIL2 to Home Assistant.

The ZBMINIL2 can be added to Home Assistant using ZHA (Zigbee Home Automation) or Zigbee2MQTT for local control and OTA updates.

5. OPERATING THE DEVICE

5.1 Manual Control

Once installed, the connected traditional wall switch will continue to function, allowing manual control of the light. The ZBMINIL2 acts as a relay, enabling the physical switch to toggle the light's state.

5.2 App Control

Control your lights remotely using your Zigbee hub's dedicated application (e.g., eWeLink, SmartThings). You can turn lights on/off, set schedules, and integrate them into smart home routines.

5.3 Voice Control

Integrate the ZBMINIL2 with voice assistants like Amazon Alexa or Google Home via your Zigbee hub. Once integrated, you can use voice commands to control your lights.



Figure 11: Voice control example with a smart assistant.

5.4 Advanced Features

- **Two-Way Control:** Achieve two-way control for staircase or hallway lighting setups, allowing control from multiple physical switches.
- **Scene Linkage:** Create custom scenes to automate lighting based on specific conditions or events (e.g., "Good Morning" scene turns on lights gradually).

Application Scenes

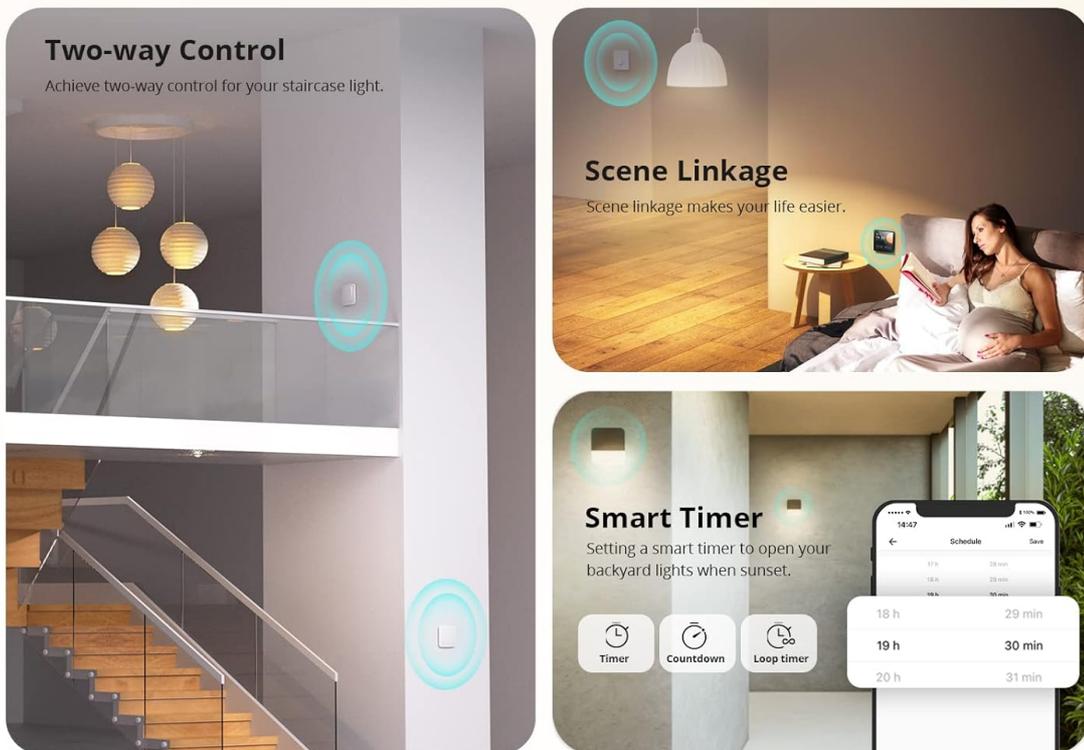


Figure 12: Application scenes including two-way control, scene linkage, and smart timer.

- **Smart Timer:** Set schedules, countdowns, or loop timers for your lights to turn on or off automatically.

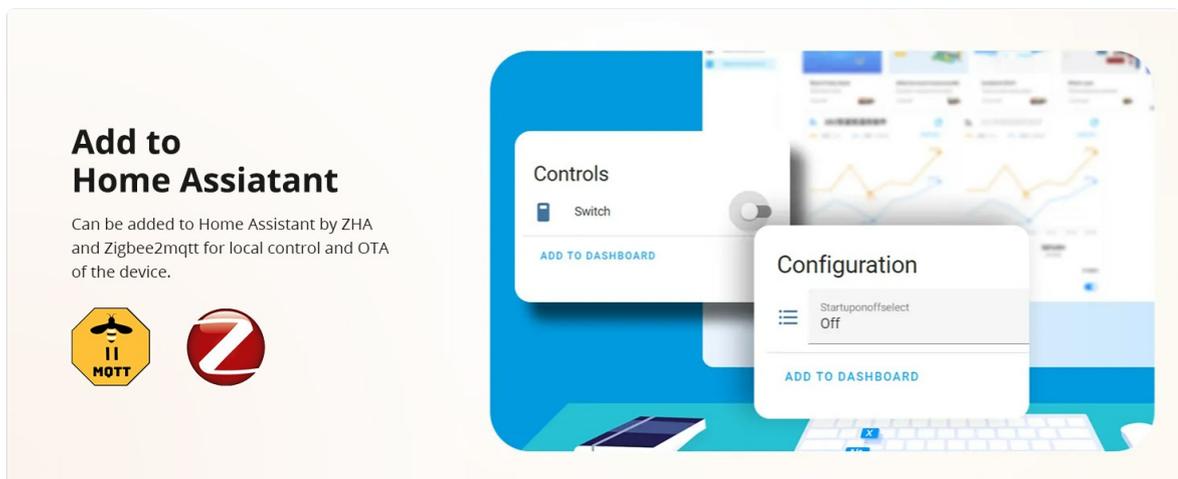


Figure 13: Smart timer settings in the mobile app.

6. MAINTENANCE

The SONOFF ZBMINIL2 requires minimal maintenance. Ensure the device is kept in a dry environment and avoid exposure to moisture or extreme temperatures. Periodically check for any loose wiring connections,

always ensuring power is off before inspection.

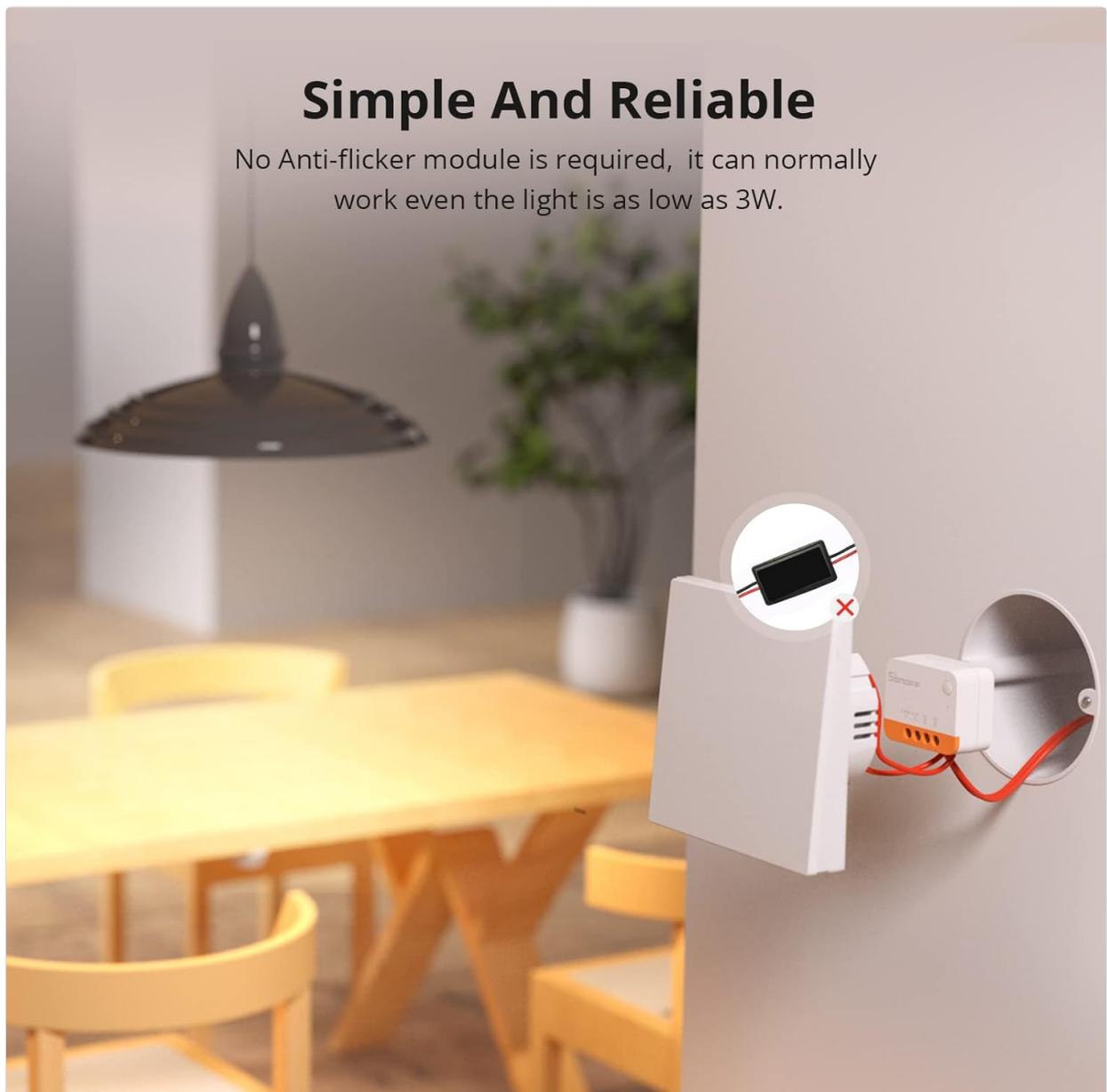


Figure 14: ZBMINIL2 designed for stable operation without an anti-flicker module.

7. TROUBLESHOOTING

- **Device Not Pairing:**
 - Ensure your Zigbee hub is in pairing mode.
 - Verify the ZBMINIL2 is powered on and within range of the hub or a Zigbee router.
 - Try resetting the ZBMINIL2 (refer to the device's quick start guide for reset procedure, often involves toggling the connected switch multiple times or pressing a button).
 - Check for potential interference from other wireless devices.
- **Unreliable Connection/Frequent Disconnections:**
 - Strengthen your Zigbee network by adding more Zigbee router devices (e.g., smart plugs, other always-on Zigbee devices).
 - Ensure the ZBMINIL2 is not too far from your Zigbee hub or nearest router.
 - Check for physical obstructions (thick walls, metal objects) that might block the Zigbee signal.
- **LED Lights Flicker:**
 - While the ZBMINIL2 is designed to work without an anti-flicker module, some LED bulbs may still

exhibit flickering with low loads.

- Ensure your LED bulbs are dimmable (even if not using dimming functionality, dimmable bulbs often handle power fluctuations better).

- Consider using a bypass capacitor if flickering persists, though it is generally not required for this model.

• **Physical Switch Not Responding:**

- Ensure the S1 and S2 wires are correctly connected to your physical switch and the ZBMINIL2 terminals.

- Verify that the ZBMINIL2 itself is powered and functioning (e.g., can it be controlled via the app?).

8. SPECIFICATIONS



Figure 15: SONOFF ZBMINIL2 Dimensions and Specifications.

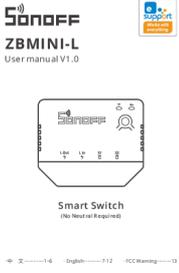
Feature	Detail
Model	ZBMINIL2
Product Dimensions	1.56 x 1.26 x 0.72 inches (39.5 x 32 x 18.4 mm)
Wireless Connection	Zigbee 3.0
Input	100-240V ~ 50/60Hz 6A Max
Output	100-240V ~ 50/60Hz 6A Max
Operating Voltage	120 Volts
Current Rating	6 Amps
Casing Material	PC V0
Circuit Type	1-way
Contact Type	Normally Closed
Connector Type	Clamp
Terminal	Screw

9. WARRANTY AND SUPPORT

For detailed warranty information, technical assistance, and customer support, please visit the official SONOFF website or contact their customer service department. Please retain your purchase receipt as proof of purchase for any warranty claims.

Website: sonoff.tech

Related Documents - ZBMINIL2

 <p>SONOFF ZBMINI-L User manual V1.0</p> <p>Smart Switch (No Neutral Required)</p>	<p>SONOFF ZBMINI-L Smart Switch User Manual No Neutral Required</p> <p>Comprehensive user manual for the SONOFF ZBMINI-L Smart Switch. Learn about installation, features, pairing with eWeLink, Amazon Alexa, SmartThings, specifications, and troubleshooting.</p>
 <p>SONOFF ZBMINI Extreme User manual V1.0</p> <p>Zigbee Smart Switch (No Neutral Required)</p>	<p>SONOFF ZBMINI Extreme Zigbee Smart Switch User Manual V1.0</p> <p>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.</p>
 <p>User Manual ZBMINIL2-E (EN)</p> <p>Switch</p> <p>Zigbee Smart Wall Switch (No Neutral Required)</p> <p>Introduction</p> <p>Navigation icons: Home Control, No Neutral Req. Required, Smart Scenes, Smart Scenes</p>	<p>SONOFF ZBMINIL2-E Zigbee Smart Wall Switch User Manual</p> <p>Comprehensive user manual for the SONOFF ZBMINIL2-E Zigbee Smart Wall Switch. Learn about its features, installation, pairing process, specifications, and safety guidelines for smart home automation.</p>
 <p>User Manual ZBMINIR2(EN)</p> <p>Switch</p> <p>Zigbee Smart Switch (No Neutral Required)</p> <p>Introduction</p> <p>Navigation icons: Home Control, Smart Scenes, Smart Scenes, Smart Scenes</p>	<p>Sonoff ZBMINIR2 Zigbee Smart Switch User Manual</p> <p>User manual for the Sonoff ZBMINIR2 Zigbee 3.0 single-channel smart switch. Learn about its features, specifications, installation, and pairing process.</p>



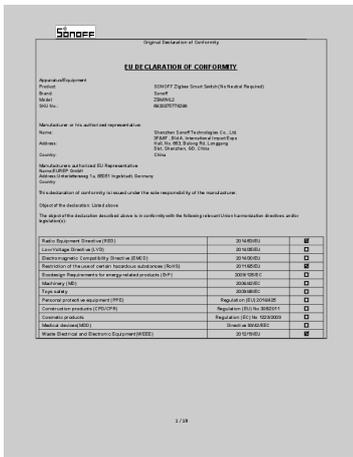
[Especificaciones del Producto SONOFF ZBMINI Extreme](#)

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.



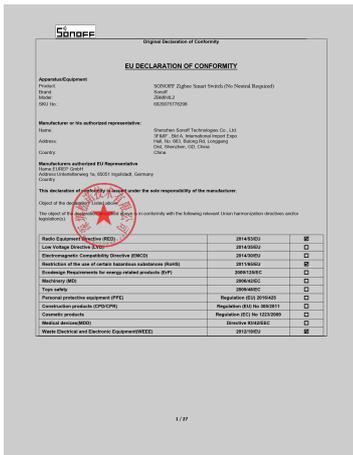
[SONOFF ZBMINI Extreme Zigbee Smart Switch User Manual](#)

User manual for the SONOFF ZBMINI Extreme Zigbee Smart Switch, covering product introduction, features, installation, pairing with eWeLink and Amazon Alexa, specifications, and factory reset.



[SONOFF ZBMINIL2 Zigbee Smart Switch EU Declaration of Conformity](#)

Official EU Declaration of Conformity for the SONOFF ZBMINIL2 Zigbee Smart Switch, confirming compliance with relevant EU directives and harmonized standards.
 lang:en score:37 filesize: 327.2 K page_count: 18 document date: 2023-09-20



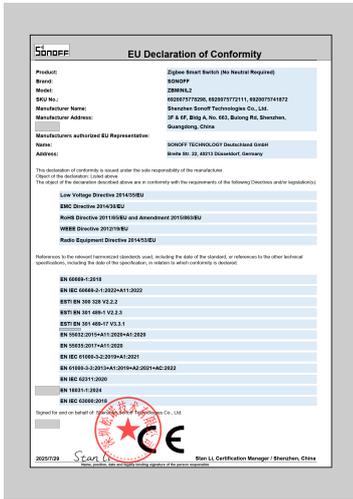
[SONOFF ZBMINIL2 Zigbee Smart Switch EU Declaration of Conformity](#)

Official EU Declaration of Conformity for the SONOFF ZBMINIL2 Zigbee Smart Switch, detailing compliance with relevant EU directives and harmonized standards.
 lang:en score:36 filesize: 400.29 K page_count: 27 document date: 2024-05-22



[SONOFF ZBMINI Extreme ZBMINIL2 Zigbee Smart Switch User Manual](#)

Comprehensive user manual for the SONOFF ZBMINI Extreme (ZBMINIL2) Zigbee smart switch, covering installation, setup, features, specifications, and troubleshooting. Learn how to connect and control your smart home devices.
 lang:hr score:34 filesize: 1.35 M page_count: 10 document date: 2024-02-12



[SONOFF ZBMINIL2 Zigbee Smart Switch EU Declaration of Conformity](#)

Official EU Declaration of Conformity for the SONOFF ZBMINIL2 Zigbee Smart Switch, confirming compliance with key European directives and harmonized standards.

lang:en score:34 filesize: 345.49 K page_count: 9 document date: 2025-07-29



[SONOFF ZBMINIL2-E Zigbee Smart Wall Switch EU Declaration of Conformity](#)

Official EU Declaration of Conformity for the SONOFF ZBMINIL2-E Zigbee Smart Wall Switch, detailing compliance with relevant EU directives and harmonized standards.

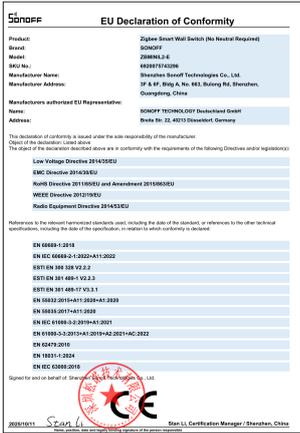
lang:en score:33 filesize: 355.63 K page_count: 9 document date: 2025-08-22



[SONOFF ZBMINI Extreme Zigbee Smart Switch User Manual](#)

Comprehensive user manual for the SONOFF ZBMINI Extreme Zigbee Smart Switch. Covers product introduction, features, installation guides, pairing procedures with eWeLink and Amazon Alexa, technical specifications, and factory reset instructions.

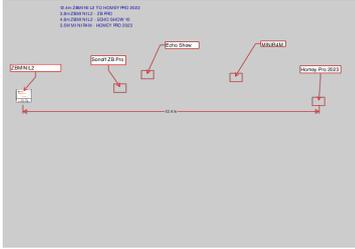
lang:en score:32 filesize: 1.22 M page_count: 16 document date: 2023-03-07



[SONOFF ZBMINIL2-E Zigbee Smart Wall Switch EU Declaration of Conformity](#)

Official EU Declaration of Conformity for the SONOFF ZBMINIL2-E Zigbee Smart Wall Switch, detailing compliance with relevant EU directives and harmonized standards.

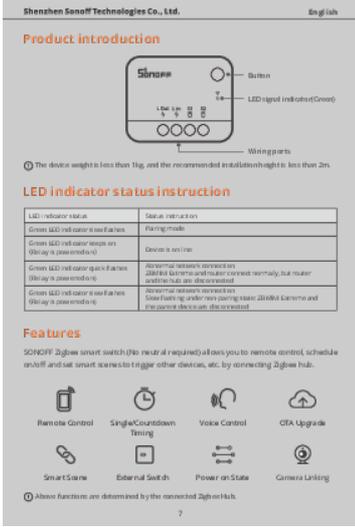
lang:en score:32 filesize: 384.65 K page_count: 9 document date: 2025-10-11



[Sonoff ZBMINIL2 Connectivity and Range Overview](#)

Details on the connectivity range of the Sonoff ZBMINIL2 smart switch to Homey Pro 2023, Sonoff ZB Pro, Echo Show 10, and MINIR4M devices, based on a network diagram.

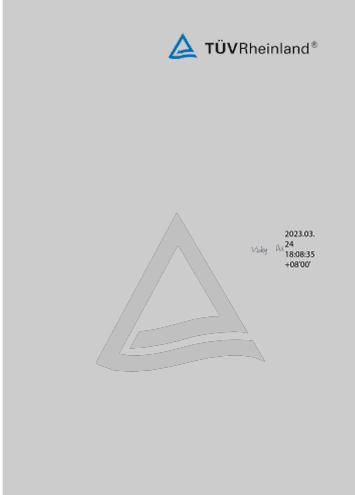
lang:en score:31 filesize: 20.51 K page_count: 1 document date: 2024-02-25



[SONOFF ZBMINIL2 Zigbee Smart Switch - Installation and User Manual](#)

Comprehensive guide for the SONOFF ZBMINIL2 Zigbee Smart Switch, covering product introduction, features, installation, pairing with eWeLink and Amazon Echo, specifications, and compliance information.

lang:en score:31 filesize: 1.07 M page_count: 9 document date: 2024-01-11



[SONOFF ZBMINIL2 Zigbee Smart Switch Photo Documentation Report CN22GTMW 001](#)

Photo documentation report (CN22GTMW 001) for the SONOFF ZBMINIL2 Zigbee Smart Switch (No Neutral Required) by Shenzhen Sonoff Technologies Co., Ltd.

lang:nl score:30 filesize: 1.24 M page_count: 5 document date: 2023-03-24



[SONOFF ZBMINI Extreme Zigbee Smart Switch User Manual V1.0](#)

User manual for the SONOFF ZBMINI Extreme Zigbee Smart Switch (Model ZBMINI L2), detailing product introduction, installation, wiring, pairing with eWeLink and Amazon Alexa, features, specifications, factory reset, and regulatory information.
lang:en score:30 filesize: 1.32 M page_count: 16 document date: 2022-11-18



[SONOFF ZBMINI Extreme Zigbee Smart Switch User Manual](#)

Comprehensive user manual for the SONOFF ZBMINI Extreme Zigbee Smart Switch (No Neutral Required). Covers installation, wiring, pairing with eWeLink and Alexa, features, specifications, factory reset, and warnings.
lang:en score:30 filesize: 1.32 M page_count: 16 document date: 2023-01-10



[SONOFF ZBMINI Extreme Zigbee Smart Switch Installation and User Guide](#)

Comprehensive guide for the SONOFF ZBMINI Extreme Zigbee smart switch, covering installation, wiring, app setup with eWeLink and Amazon Alexa, features, specifications, and factory reset.
lang:nl score:30 filesize: 990.06 K page_count: 7 document date: 2024-09-01

Product Specification

ZBMINI Extreme

(Zigbee Smart Switch (No Neutral Required))



Basic Information

Product series	DIY smart switch
Type	Smart switch module
Model	ZBMINI.L2
Input	100-240V AC 50/60Hz 6A Max
Output	100-240V AC 50/60Hz 6A Max
Max. Load	①240V Max @100V, 300W Max LED: 150W ②182W@122
MCU	

Appearance

Color	White
Product Size	39.5x21x18.4mm
Package Size	62x47x22mm
Net Weight	23g
Total weight	32g
Casing material	PC V0

Features

Functions	SONOFF Zigbee smart switch (No neutral required) allows you to remote control, schedule on/off and set smart scenes to trigger other devices, etc. by connecting Zigbee hub.
Matched gateways	SONOFF ZBRIDGE/ZBRIDGE-FH-Hot/NSPanel Pro/ZB Dongle-F/ZB Dongle-E Echo Studio Echo Plus (2nd Gen) 2nd Gen Echo Show (10"/8") 2nd Gen Echo Plus (5.5"/5.2")
	Other gateways supporting ZigBee3.0 and Mesh protocol. Detailed information is in SONOFF app with the final product.

无线标准 Wireless standard

Zigbee	Zigbee 3.0
Antenna	Built-in ceramic antenna
Security mode	Zigbee Pro Standard
Encryption type	AES-128

Working Environment

Applicable place	Indoor (concealed installation)
Working temperature	-10°C ~ 40°C
Working humidity	5%-95% RH, non-condensing
Working height	2000m than Less

Installation

Installation method	Install in the mounting box
Wiring way	No neutral required
Wire diameter	①1mm-1.8mm 18AWG-13AWG

Made in China

[SONOFF ZBMINI Extreme Zigbee Smart Switch Specifications](#)

Detailed specifications for the SONOFF ZBMINI Extreme, a Zigbee 3.0 smart switch module (ZBMINI.L2) requiring no neutral wire. Includes technical details on input, output, load, appearance, wireless standards, operating environment, and installation.

lang:en score:28 filesize: 927.11 K page_count: 1 document date: 2023-05-25



[SONOFF ZBMINI Extreme Zigbee Smart Switch User Manual](#)

User manual for the SONOFF ZBMINI Extreme Zigbee smart switch, covering installation, wiring, pairing with eWeLink and Amazon Alexa, specifications, and safety information.

lang:it score:28 filesize: 1.07 M page_count: 10 document date: 2023-12-29



[pdf]

ZBMINI L2 PL Inteligentny przełącznik Sonoff Smart Switch Instrukcja ZBMINI Extreme i router łączą się normalnie ale koncentrator są rozłączone Zielony wskaźnik LED miga powoli Przekaznik jest włączony przełącznik mini instrukcja cdn bonmario |||

Inteligentny przełącznik Sonoff Smart Switch **ZBMINI L2** Instrukcja obsługi
Wprowadzenie do produktu Przycisk Wskanik sygnału LED zielony Porty okablowania
Waga urządzenia nie przekracza 1 kg, a zalecana wysokość instalacji nie powinna przekraczać 2 m. Opis statusu wskaźnika Status wskaźnika Miga powol...

lang:pl score:28 filesize: 2.21 M page_count: 9 document date: 2024-02-12



[SONOFF ZBMINI Extreme & ZBMINI L2 Zigbee Smart Switch - User Manual](#)

Comprehensive user manual for the SONOFF ZBMINI Extreme and ZBMINI L2 Zigbee smart switch. Learn about installation, setup, features, specifications, and troubleshooting.

lang:pl score:28 filesize: 1.12 M page_count: 9 document date: 2024-05-23



[pdf]

1 MyPC Inteligentny przełącznik ZigBee Sonoff ZBMINI Instrukcja 24 янв 2025 г — Urządzenie wyjdzie z trybu parowania jeśli nie zostanie uruchomione w ciągu 3 minut Jeśli chcesz ponownie wejść tryb naciśnij i przytrzymaj instrukcja obsługi SONOFF ZBMINIL2 srsId AfmBOoqB1M91VFtw NjtFcZrqkAbK1h81nunuMVhb0zfnDzKIFjLb3H avans.pl products/files/67_6713278 ||| ZBMINI Extreme V1.0 Inteligentny przełącznik ZigBee Sonoff ZBMINI Instrukcja obsługi Wprowadzenie d... ie Maksymalne obciążenie Połączenie bezprzewodowe Temperatura pracy Materiał obudowy Wymiary produktu **ZBMINIL2** 100-240V AC 50/60Hz 6A Maks. 100-240V AC 50/60Hz 6AMaks. Obciążenie rezystancyjne: 6A Maks. L... lang:pl score:27 filesize: 1.1 M page_count: 9 document date: 2024-05-23



[SONOFF ZBMINI Extreme Zigbee Smart Switch \(No Neutral Required\) Product Specifications](#)

Comprehensive product specifications for the SONOFF ZBMINI Extreme (ZBMINIL2), a compact Zigbee 3.0 smart switch module designed for DIY installation without a neutral wire. This datasheet details its basic information, appearance, features, wireless standards, operating environment, and installation requirements. lang:en score:27 filesize: 683.36 K page_count: 1 document date: 2022-11-18



[\[pdf\]](#) Specifications Test Report

Prüfbericht Nr Test report no NN23UFWO 001 Auftrags 2 days ago — 100 240V~ 50 60Hz 6A Max Testing Voltage AC 230V 50Hz Operating Temperature Range 10 °C ~ 40 Technical Specification of ZigBee Characteristic SONOFF ZBINIL2 CE Zigbee Report sonoff tech 2023 04 ||| Prfbericht - Produkte Test Report - Products Prfbericht-Nr.: Test report no.: Kunden-Referenz-Nr.: C ... Prfgegenstand: Test item: SONOFF Zigbee Smart Switch No Neutral Required Bezeichnung / Typ-Nr.: **ZBMINIL2** Identification / Type no.: Trademark: SONOFF Auftrags-Inhalt: Order content: Prfgrundlag... lang:en score:26 filesize: 3.81 M page_count: 42 document date: 2023-03-29



[SONOFF ZBMINI Extreme Zigbee Smart Switch User Manual](#)

Comprehensive user manual for the SONOFF ZBMINI Extreme (model ZBMINIL2) Zigbee Smart Switch. Covers installation, wiring, pairing with eWeLink and Alexa, features, specifications, and safety warnings. lang:en score:26 filesize: 1.22 M page_count: 16 document date: 2023-08-09

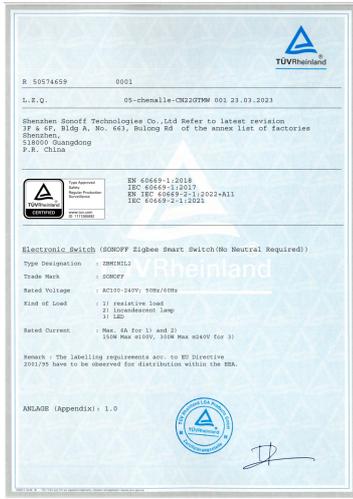


[\[pdf\]](#) User Manual Specifications Test Report

Prüfbericht Nr Test report no NN23UFWO 002 Auftrags 2 giorni fa — SONOFF Zigbee Smart Switch No Neutral Required For details refer to the User Manual The test modes were adapted accordingly in reference ZBINIL2 CE EMC Report sonoff tech 2023 04 |||

Prfbericht - Produkte Test Report - Products Prfbericht-Nr.: Test report no.: Kunden-Referenz-Nr.: C ... Order content: Prfgrundlage: Test specification: SONOFF Zigbee Smart Switch No Neutral Required **ZBMINIL2** Trademark: SONOFF RED approval EN 301 489-1 V2.2.3:2019 EN 301 489-17 V3.2.4:2020 Warene...

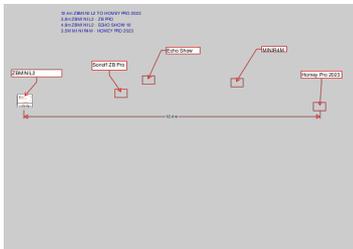
lang:en score:26 filesize: 3.51 M page_count: 39 document date: 2023-03-29



[\[pdf\]](#) Label

1a459268 18131 Qinmag Zertifikat Certificate SONOFF ZBINIL2 TUV Marker Cert sonoff tech 2023 04 ||| Zertifikat Certificate Zertifikat Nr. Certificate No. R 50574659 Ihr Zeichen Client Reference L.Z. ... Fee - Unit Electronic Switch SONOFF Zigbee Smart Switch No Neutral Required Type Designation : **ZBMINIL2** Trade Mark : SONOFF Rated Voltage : AC100-240V; 50Hz/60Hz Kind of Load : 1 resistive...

lang:en score:25 filesize: 1.54 M page_count: 3 document date: 2023-03-24



[Sonoff and Homey Pro 2023 Device Connectivity Overview](#)

An overview of device connections and distances, featuring Sonoff ZBMINIL2, Sonoff ZB Pro, Amazon Echo Show, MINIR4M, and Homey Pro 2023.

lang:en score:25 filesize: 20.51 K page_count: 1 document date: 2024-02-25

SONOFF 

Especificación del producto

ZBMINI Extreme
Relé inteligente Zigbee (no se requiere neutro)



Información básica

Serie del producto	Relé Inteligente DIY
Tipo	Módulo de interruptor inteligente
Modelo	ZBMINI2
Entrada	100-240V AC 50/60Hz 6A Max
Salida	100-240V AC 50/60Hz 6A Max
Max. Carga	Carga resistiva: 6A máx. LED: 100 W máx. a 100 V, 300 W máx. a 240 V
HCU	EFRO20022
Certificaciones	CE/FCC/TUV/NANHS/RED

Apariencia

Color	Bianco
Tamaño del producto	38.5x29x18.8mm
Tamaño del paquete	62x47x22mm
Peso neto	25g
Peso total	30g
Material de la carcasa	PC V0

Características

Funciones
El Relé inteligente Zigbee de SONOFF (no se requiere neutro) le permite controlar a distancia, programar encendido/apagado y configurar eventos inteligentes para activar otros dispositivos, etc. conectando el concentrador Zigbee.

Puertas de enlace compatibles
SONOFF ZBBridge/ZBBridge-PI/box/PI2/Panel Pro/ZB Dongle-P/ZB Dongle-E Echo - 4to ed.
Echo Plus (2da ed.)
2nd Gen Echo Show (2da ed.)
2nd Gen Echo Plus (2da ed.)

Otras puertas de enlace compatibles con el protocolo inalámbrico Zigbee 3.0. La información detallada está de acuerdo con el producto final.

Estándar inalámbrico

Zigbee	Zigbee 3.0
Antena	Antena de cerámica incorporada
Modo de seguridad	Estándar Zigbee Pro
Tipo de cifrado	AES-128

Ambiente de trabajo

Lugar aplicable	Interior (instalación oculta)
Temperatura de trabajo	10°C - 40°C
Humedad de trabajo	5%-85% HR, sin condensación
Altura de trabajo	Máximo de 2000m

Instalación

Método de instalación	Instalar en la caja de montaje
Manera de cableado	No se requiere neutro
Diámetro del cable	Ø 1mm-1.8mm 16AWG-13AWG

Shenzhen Sonoff Technologies Co., Ltd. <https://sonoff.tech>

[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.

lang:es score:24 filesize: 143.95 K page_count: 1 document date: 2025-08-11

SONOFF 

ZBMINI Extreme
User manual V1.1



Zigbee Smart Switch
(No Neutral Required)

· 中文 ······1-6 · English ······7-12 · Warning ······13-14

[SONOFF ZBMINI Extreme Zigbee Smart Switch User Manual](#)

User manual for the SONOFF ZBMINI Extreme Zigbee Smart Switch. Covers product features, installation, wiring, pairing with eWeLink and Amazon Alexa, specifications, factory reset, and compliance information.

lang:es score:23 filesize: 3.64 M page_count: 17 document date: 2024-03-04




产品参数表 Product Specification

ZBMINI Extreme

Zigbee 智能开关模块 (迷你) / Zigbee Smart Switch (No Neutral Required)



基本信息 Basic Information

产品系列	DIY 开关系列
Product series	DIY smart switch
产品类型	开关模块
Type	Smart switch module
产品型号	ZBMINI L2
Model	ZBMINI L2
输入	100-240V AC 50/60Hz 6A Max
Input	100-240V AC 50/60Hz 6A Max
输出	100-240V AC 50/60Hz 6A Max
Output	100-240V AC 50/60Hz 6A Max
最大负载	LED: 150W Max @100V, 100W Max @240V
Max. Load	LED: 150W Max @100V, 100W Max @240V
MCU	ESP32MG32
认证	CE/FCC/TUV/Rohs/ISED
Certification	CE/FCC/TUV/Rohs/ISED

外观信息 Appearance

产品颜色	白色
Color	White
产品尺寸	39.5x32x18.4mm
Product Size	39.5x32x18.4mm
包装规格	62x47x22mm
Pack-age Size	62x47x22mm
产品重量	23g
Net Weight	23g
总重量	32g
Total weight	32g
外壳材料	PC VO
Casing material	PC VO

功能特性 Features

产品特点	Sonoff 智能家居开关设备，作为 Zigbee 子设备，可通过连接 Zigbee 网关实现远程控制、设置定时开关、设置智能场景联动等功能。
Functions	Sonoff Zigbee smart switch (No neutral required) allows you to remote control, schedule on/off and set smart scenes to trigger other devices, etc. by connecting Zigbee hub.
适配的网关	Sonoff ZBRIDGE/ZBRIDGE-FH/HOS/NSPanel Pro/ZBDongle-F/ZBDongle-E/Echo Studio/Echo Plus(Z39K1)/2nd Gen Echo Show (2nd Gen)/2nd Gen Echo Plus (2nd Gen)
Matched gateways	Sonoff ZBRIDGE/ZBRIDGE-FH/HOS/NSPanel Pro/ZBDongle-F/ZBDongle-E/Echo Studio/Echo Plus(Z39K1)/2nd Gen Echo Show (2nd Gen)/2nd Gen Echo Plus (2nd Gen)
	以及其他支持 Zigbee 3.0 协议的网关，具体以实际产品为准。 Other gateways supporting Zigbee 3.0 wireless protocol. Detailed information is in accordance with the final product.

无线标准 Wireless standard

Zigbee	Zigbee 3.0
天线	内置陶瓷天线
Antenna	Built-in ceramic antenna
安全标准	Zigbee Pro Standard
Security mode	Zigbee Pro Standard
加密算法	AES-128
Encryption type	AES-128

使用环境 Working Environment

适用场所	室内使用 (壁挂)
Applicable place	Indoor (Controlled installation)
工作温度	-10°C ~ 40°C
Working temperature	-10°C ~ 40°C
工作湿度	5%-95% RH, 非冷凝
Working humidity	5%-95% RH, non-condensing
工作海拔	2000m 以下
Working height	Less than 2000m

安装信息 Installation

设备安装	安装在墙上或盒子里
Installation method	Install on the mounting box
接线方式	零线
Wiring way	No neutral required
导线规格范围	1mm-1.8mm 18AWG-13AWG
Wire diameter	1mm-1.8mm 18AWG-13AWG

深圳松德技术有限公司 Shenzhen Sonoff Technologies Co., Ltd. <https://sonoff.tech> 2023.03.14

[\[pdf\]](#) Specifications

1 MyPC Specifications ZBMINI Extreme Sonoff Zigbee Mini Smart Switch zonder Neutraal L2 expert4house nl index controller attachment id 406 |||

ZBMINI Extreme Zigbee/ Zigbee Smart Switch No Neutral Required Basic Information Product series Type Model Input Output Max. Load MCU Certification DIY DIY smart switch Smart switch module **ZBMINI L2** 100-240V AC 50/60Hz 6A Max 100-240V AC 50/60Hz 6A Max /Resistiveload:6AMax LED150WMax 100...

lang:en score:23 filesize: 531.33 K page_count: 1 document date: 2023-03-07



[SONOFF ZBMINI Extreme Zigbee Smart Switch User Manual](#)

This user manual provides detailed instructions for the SONOFF ZBMINI Extreme Zigbee Smart Switch, covering installation, pairing with the eWeLink app and Amazon Alexa, features, specifications, and troubleshooting.

lang:en score:22 filesize: 3.64 M page_count: 17 document date: 2024-03-04



[pdf]

Helmholt Elektronik A S ELEXTRA dk Sonoff Katalog 2024 Side 1 25de2afc 312b 4b1b b7ee 2acd0caee10c response content disposition attachment filename* UTF 8 view publitas 21162 1872825 s III

Din elektronikspecialist 1360 Kbh. K. ELEXTRA - Brinck Elektronik Frederiksborggade 42 .. Tlf. 331 ... L RAV H52226 289,- Inkl. adaptere M28 GIA RA Zigbee L2 Extreme - 2-vejs Smart Switch SONOFF ZBMINIL2 er 40 mindre end ZBMINIL, hvilket vil f den til at fylde mindre i monteringsboksen. Den e...

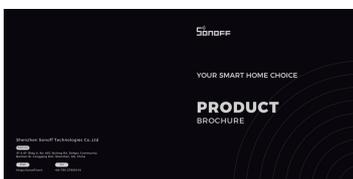
lang:da score:22 filesize: 4.81 M page_count: 4 document date: 2024-04-05



[SONOFF ZBMINI Extreme Zigbee Smart Switch User Manual](#)

User manual for the SONOFF ZBMINI Extreme Zigbee Smart Switch, covering product introduction, features, installation, pairing with eWeLink and Amazon Alexa, specifications, and factory reset.

lang:da score:21 filesize: 1.32 M page_count: 16 document date: 2023-04-20



[SONOFF Product Brochure: Smart Home Automation Devices](#)

Explore the comprehensive SONOFF product brochure, featuring a wide range of smart home automation devices including Wi-Fi and Zigbee switches, plugs, sensors, cameras, and control panels designed for a simpler, smarter life.

lang:en score:20 filesize: 19 M page_count: 53 document date: 2025-09-01



[SONOFF Product Brochure: Smart Home Automation Solutions](#)

Explore the comprehensive SONOFF product brochure, featuring a wide range of smart home automation devices including smart switches, plugs, lighting, security cameras, and more. Discover innovative solutions for a connected and convenient lifestyle.

lang:en score:19 filesize: 24.43 M page_count: 67 document date: 2023-07-05



[SONOFF Product Brochure: Smart Home Automation Solutions](#)

This product brochure from SONOFF (Shenzhen Sonoff Technologies Co., Ltd) introduces their comprehensive range of smart home automation devices. Discover smart switches, plugs, lighting solutions, security cameras, gateways, sensors, and home appliances designed to create a simple, smart, and convenient living environment. Learn about SONOFF's commitment to innovation, integration with major AIoT ecosystems, and the eWeLink app.

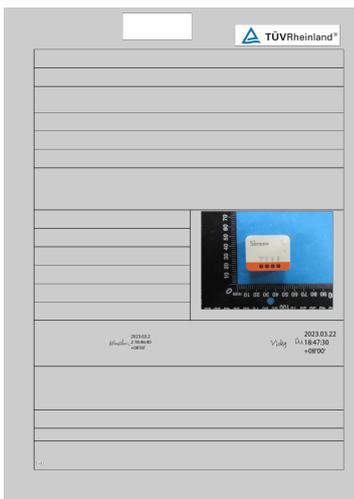
lang:en score:19 filesize: 10.99 M page_count: 54 document date: 2024-07-16



[Sonoff ZBMINIL2 Zigbee Module Quick Start Guide](#)

A concise, SEO-optimized summary of the Sonoff ZBMINIL2 Zigbee module quick start guide. Covers setup, usage, and compliance information for this smart home device, noting its multilingual nature and providing a link to official documentation.

lang:en score:19 filesize: 7.31 M page_count: 1 document date: 2024-03-04



[\[pdf\] Specifications Test Report](#)

IECEE TEST REPORT FORM TEMPLATE OD 2020 F1 TRF CB Scheme CMC WG 9 SONOFF ZBINIL2 CE Safety Test Report sonoff tech 2023 04 |||

Prfbericht - Produkte Test Report - Products Prfbericht-Nr.: Test report no.: Kunden-Referenz-Nr.: C ... Order content: Prfgrundlage: Test specification: SONOFF Zigbee Smart Switch No Neutral Required **ZBMINIL2** TV R mark EN IEC 60669-2-1:2022 A11; IEC 60669-2-1:2021 EN 60669-1:2018; IEC 60669-1:2017 ...

lang:de score:19 filesize: 3.62 M page_count: 86 document date: 2023-03-22



[SONOFF Product Brochure: Smart Home Automation Solutions](#)

Discover the full range of SONOFF smart home products, including smart switches, plugs, lighting, security cameras, and automation solutions designed for modern living. Learn about SONOFF's commitment to innovation and quality.

lang:en score:18 filesize: 18.6 M page_count: 52 document date: 2024-12-12



[Catálogo de Productos SONOFF Argentina: Domótica Inteligente para tu Hogar](#)

Descubre el catálogo completo de dispositivos inteligentes SONOFF Argentina, incluyendo interruptores, sensores, gateways, iluminación y cámaras para crear tu hogar inteligente.

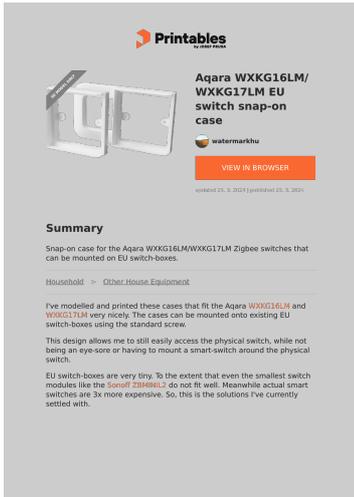
lang:es score:18 filesize: 2.54 M page_count: 44 document date: 2023-04-05



[SONOFF - Brožura produktů pro chytrou domácnost](#)

Prozkoumejte rozsáhlý katalog produktů SONOFF pro chytrou domácnost, včetně inteligentních spínačů, zásuvek, osvětlení, senzorů a dalších. Objevte inovativní řešení pro automatizaci vašeho domova od Shenzhen Sonoff Technologies.

lang:it score:18 filesize: 11.71 M page_count: 54 document date: 2025-01-28



[\[pdf\]](#)

Printables Aqara WXKG16LM WXKG17LM EU switch snap on case by watermarkhu Download free STL model Printables762379 aqara wxkg16lmwxkg17lm eu 90f8b0b5 a8d8 44c6 8ef8 5b5217fd4f4cfiles printables media prints 762379 s 5b5217fd4f4c |||

MODEL ONLY 3D Aqara WXKG16LM/ WXKG17LM EU switch snap-on case watermarkhu VIEW IN BROWSER updated 2 ... EU switch-boxes are very tiny. To the extent that even the smallest switch modules like the Sonoff **ZBMINIL2** do not fit well. Meanwhile actual smart switches are 3x more expensive. So, this is the sol...

lang:en score:18 filesize: 138.43 K page_count: 2 document date: 2024-12-12



[SONOFF Smart Home Products Brochure | Innovative Automation Solutions](#)

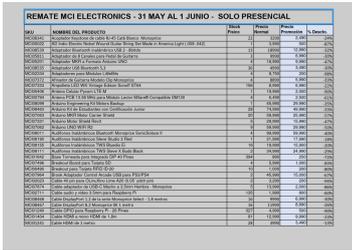
Explore the comprehensive SONOFF product brochure showcasing a wide array of smart home devices, including Wi-Fi and Zigbee switches, plugs, lighting, sensors, and cameras. SONOFF offers quality, innovation, and simple automation for a smarter lifestyle.

lang:en score:18 filesize: 10.96 M page_count: 52 document date: 2025-04-15

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Untitled Victor Reyes REMATE MCI ELECTRONICS 31 MAY AL 1 JUNIO Adaptador Bluetooth inalámbrico USB 2 8bitdo 13 18990 12 990 32 Teclado Y Mouse Con Una Mano Mini Gamer Rgb Lighting 19 990 LIQUIDACION MAYO PRESENCIAL mcielectronics cl 2024 05 LIQUIDACION PRESENCIAL srsltid AfrmBOopcNUgATTp9cgPQoEO26jUyBmyrn zU3WLM6M8 6llawltPyK5 JUNIO REMATE 990 Cerradura eléctrica inteligente con Wifi para puerta de vidrio compatible Ewelink Kit Conectores T Tap 45 6990 4 590 34 LIQUIDACION PRESENCIAL LIQUIDACION 6llawltPyK5 mcielectronics AfrmBOooknmXWwww tBYJafeBzStjGZLL5 RMGiMm8SIHXyTNwT186K 34 Audifonos Inalámbricos TWS Bluedio Ei 16 15 900 20% MCI08111 Audifonos Sleeve X Buds Black 34 24 29 LIQUIDACION RMGiMm8SIHXyTNwT186K mcielectronics AfrmBOopERVoycoZsieMINwQrwiOMXPvz BEchbPiphvWV6c5rWWH 99N 29 Audifonos 57% MCI00884 Arduino Logger Shield uSD RTC 79 14 99N mcielectronics AfrmBOoqvdp9xkbbQyP5wO0dnzTQGbzK5fSwAFD1LHmMKcT8QMM0X3aX5 29 EasyDriver Driver Motores Paso a 5 000 69% MCI08501 Echo Auto 3 generación modelo 2022 Lleva Alexa en tu Audifonos AfrmBOopiG0U5 RUPsfoAsRDgFuCokCFBUif8fnEx p0L78KF77mwhp46mcielectronics 990 Page MCI08260 Interruptor WiFi De Pared RF Sonoff T1EU1C 21 6 60% MCI05585 Joystick Arcade Palanca Happ Negro 8 vías LIQUIDACION AfrmBOoqvdp9xkbbQyP5wO0dnzTQGbZk5fSwAFD1LHmMKcT8QMM0X3aX5 mcielectronics AfrmBOopB6aZVuRTMCQ3qnx1fqQxqRQ6EgHZ806fQ0tuWyOPhVHmAM5r vías Audifonos Control nintendo Switch Pokken Tournament DX Pro Hori LIQUIDACION AfrmBOopB6aZVuRTMCQ3qnx1fqQxqRQ6EgHZ806fQ0tuWyOPhVHmAM5r mcielectronics

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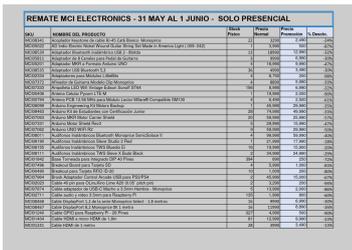
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MCI08341	Remate MCI Electronics - 31 May al 1 Junio - Solo Presencial	1	Unidad	1.000	25%
MCI05022	Remate MCI Electronics - 31 May al 1 Junio - Solo Presencial	1	Unidad	1.000	25%
MCI08539	Remate MCI Electronics - 31 May al 1 Junio - Solo Presencial	1	Unidad	1.000	25%
MCI05811	Remate MCI Electronics - 31 May al 1 Junio - Solo Presencial	1	Unidad	1.000	25%
MCI08463	Remate MCI Electronics - 31 May al 1 Junio - Solo Presencial	1	Unidad	1.000	25%

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Pasta 50g Sin Plomo SONOFF ZBMINI Extreme Zigbee Smart Switch **ZBMINI L2** No
Neutral Required SONOFF Zigbee Smart Curtain Motor Soporte de micfono
Monoprice con b...

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SKU	DESCRIPCION PRODUCTO	Stock	Unidad	Precio	% Desc.
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MCI05022	Remate MCI Electronics - 31 May al 1 Junio - Solo Presencial	1	Unidad	1.000	25%
MCI08539	Remate MCI Electronics - 31 May al 1 Junio - Solo Presencial	1	Unidad	1.000	25%
MCI05811	Remate MCI Electronics - 31 May al 1 Junio - Solo Presencial	1	Unidad	1.000	25%
MCI08463	Remate MCI Electronics - 31 May al 1 Junio - Solo Presencial	1	Unidad	1.000	25%

Untitled Victor Reyes MCI Electronics Electrónica para makers y profesionales DIY LIQUIDACION 31
MAYO PRESENCIAL mcielectronics cl 2024 05 |||
REMATE MCI ELECTRONICS - 31 MAY AL 1 JUNIO - SOLO PRESENCIAL SKU
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Pasta 50g Sin Plomo SONOFF ZBMINI Extreme Zigbee Smart Switch **ZBMINI L2** No
Neutral Required SONOFF Zigbee Smart Curtain Motor Soporte de micfono
Monoprice con b...

lang:es score:16 filesize: 92.42 K page_count: 7 document date: 2024-05-24

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Victor Reyes MCI Electronics Tu aliado en electrónica ofertas y liquidacion Agosto 2024 1 mcielectronics cl 08 |||

precio SKU name Stock Precio normalliquid./oferta Dscto. MCI08068 5 meters 4PIN Aviation Cable ... LED Strip Lights-5M/16.4Ft 12 20,990 16,990 MCI08236 SONOFF ZBMINI Extreme Zigbee Smart Switch **ZBMINIL2** No Neutral Required 1 15,990 9,990 MCI08261 SONOFF Zigbee Smart Curtain Motor 17 79...

lang:es score:16 filesize: 256.82 K page_count: 8 document date: 2024-08-22

SKU	name	Stock	precio normal	liquid.	dscto.
MCI08068	5 meters 4PIN Aviation Cable ...	12	20,990	16,990	-24%
MCI08236	SONOFF ZBMINI Extreme Zigbee Smart Switch	1	15,990	9,990	-37%
MCI08261	SONOFF Zigbee Smart Curtain Motor	17	79,000	79,000	0%

[pdf] Test Report

Test Report Shenzhen Sonoff Technologies Co Ltd ZBMINIL2 SONOFF ZBMINI Smart Switch No Neutral Required 2APN5ZBMINIL2 zbminil2

...

lang:es score:15 filesize: 726.91 K page_count: 46 document date: 2023-04-19

