

User Manual ZBMINIL2 (EN)



Zigbee Smart Switch (No Neutral Required)

User Manual V2.0

Introduction

SONOFF Zigbee Single-Channel No-Neutral Wire Required Smart Switch Module, acting as a Zigbee sub-device that enables remote control, scheduled on/off, and smart scene automation when connected to a Zigbee gateway.



Remote Control



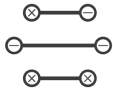
Smart Timer/Delay



Voice Control



External Switch



Power-on State



OTA Updates

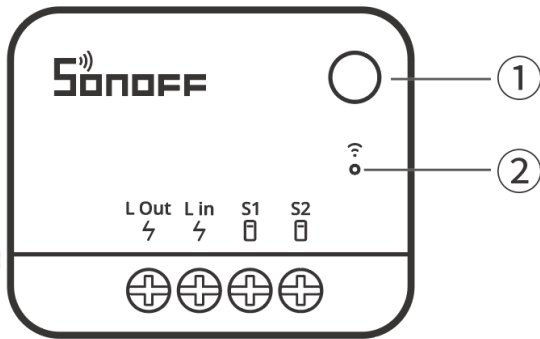


Smart Scene



No Neutral Wire
Required

❗ The above features depend on the functionality of the Zigbee gateway.



① Button

- Single press: Turn the device on or off
- Press and hold for 5 seconds: Factory reset/
Device enters pairing mode
- Press three times in succession: Switch the
external switch type.

② LED indicator (Green)

- Flash slowly for 180 seconds: Device is in
pairing mode.
- Steady on: Normal connection with the
gateway.
- Fast flash: Abnormal connection with the
gateway.
- Flashes three times quickly: Switch the
external switch trigger type.

Platform Certification



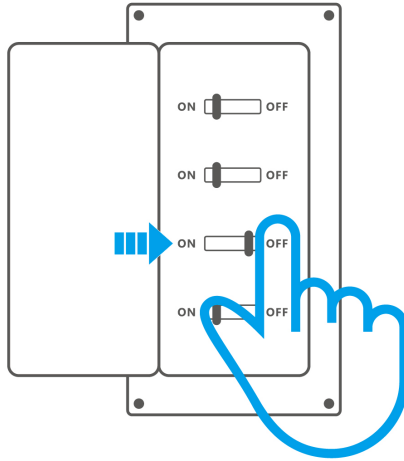
Specification

ZBMINIL2	
Product Series	MINI Extreme Series

Product Name	Zigbee Smart Switch (No Neutral Required)
Product Model	ZBMINIL2
Rating	100–240V~ 50/60Hz 6A Max Resistive load μ
Zigbee	IEEE 802.15.4
Net Weight	22.5g
Dimensions	39.5x32x18.4mm
Color	White+Orange
Housing Material	PC
Recommended Wire Gauge	18 AWG to 14 AWG (0.75mm ² to 2.5mm ²) SOL/STR copper conductor only
Installation Location	Indoor concealed installation
Operating Temperature	–10°C ~ 40°C
Operating Humidity	10%~90% RH, non–condensing
FCC ID	2APN5ZBMINIL2
Certifications	TUV/ETL/CE/RoHS/FCC/ISED

Installation

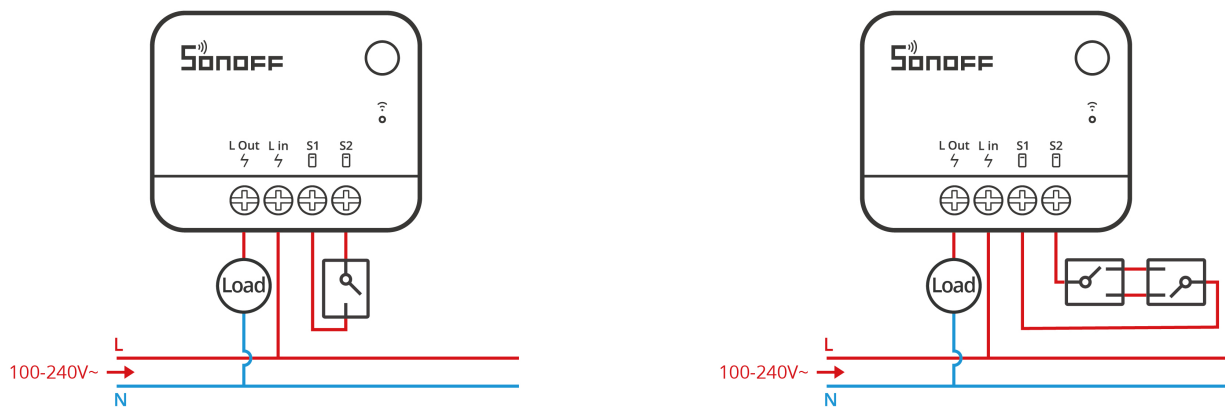
1. Power Off

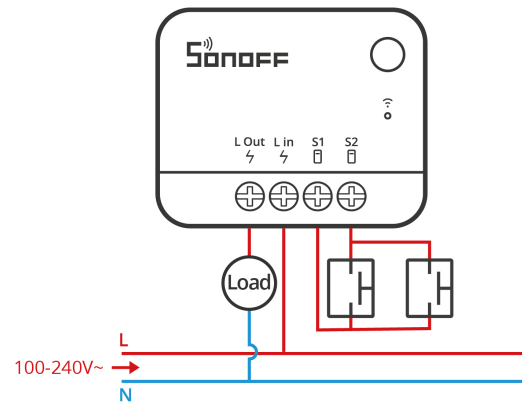
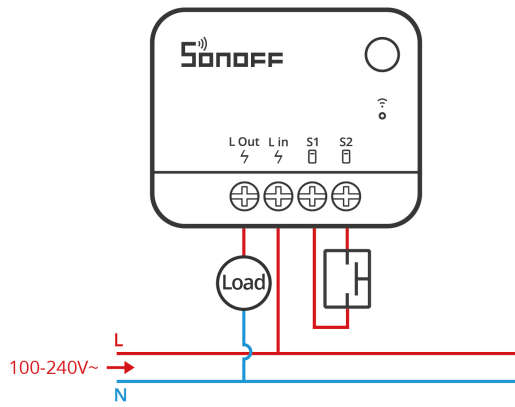


Warnings:

- ① Installation and troubleshooting must be performed by a qualified electrician. Do not perform wiring or touch terminals while the device is powered on to avoid electric shock!
- ② To ensure safe electrical installation, a miniature circuit breaker (MCB) or residual current operated circuit breaker (RCBO) rated at 6A and compliant with national safety standards must be installed ahead of the ZBMINIL2.
- ③ For single-phase use only (100–240V~). Connecting to a multi-phase power supply may damage the device.

2. Wiring Instruction





Terminal		Wire	
L in	Live wire	L	Live wire (100~240V)
L Out	Live wire output terminal	Load	
S1	Switch		
S2	Switch		

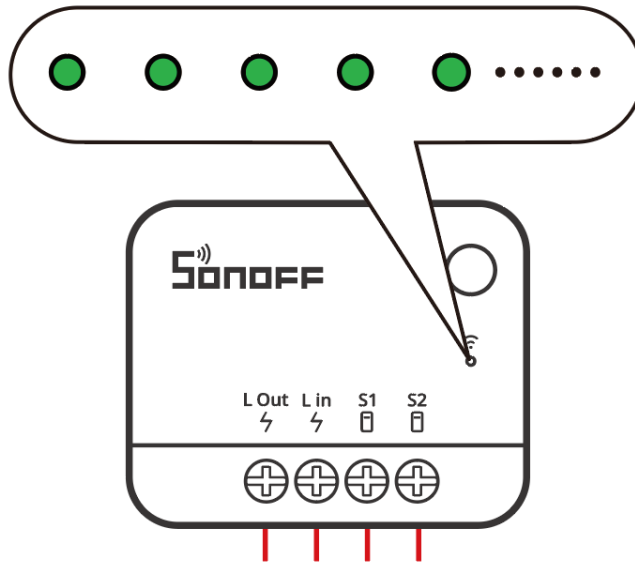
⚠ Do not connect the S2 terminal to the neutral or ground wire, as this may damage the device and cause a hazard.

⚠ Ensure the wiring is correct.

⚠ The external switch type supports toggle switches and momentary switches. The default factory setting supports toggle switches.

Switch type switching method: Short-press the button three times until the indicator flashes quickly three times — the switch type has been successfully switched.

3. Power On

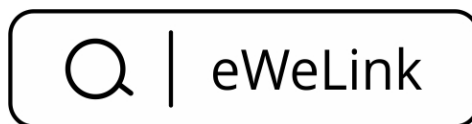


After powering on, the device will enter pairing mode by default during first use and the LED signal indicator will “flash slowly”.

⚠ The device will exit pairing mode if it is not successfully paired with a Zigbee gateway within 3 minutes. To enter pairing mode again, press and hold the device button for 5 seconds until the LED indicator flashes slowly.

Download the eWeLink App

Please download the "eWeLink" App from Google Play Store or Apple App Store.



Add SONOFF Zigbee Gateway

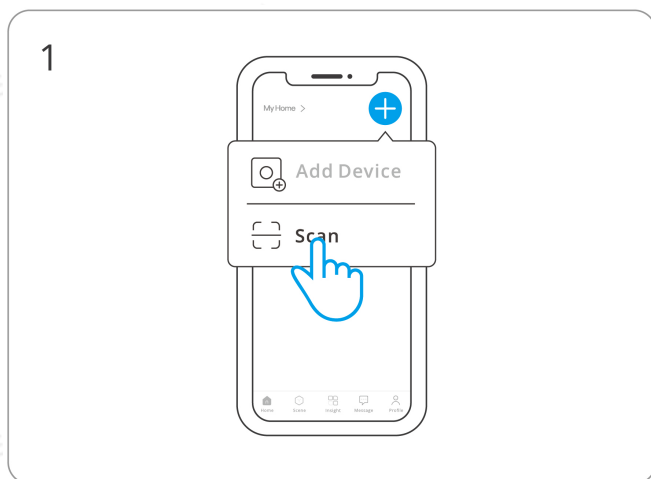
Compatible Gateways:

Recommended SONOFF gateway models: ZBBridge-P, ZBBridge-U, NSPanel Pro, iHost

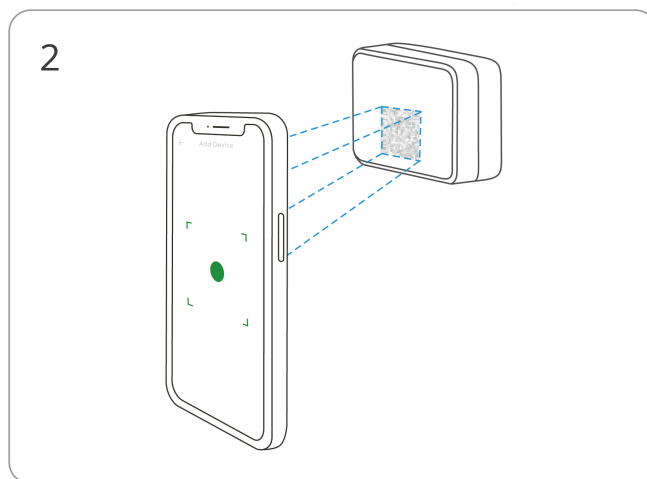
Other compatible SONOFF gateway models: ZBDongle-P, ZBDongle-E

Add Device

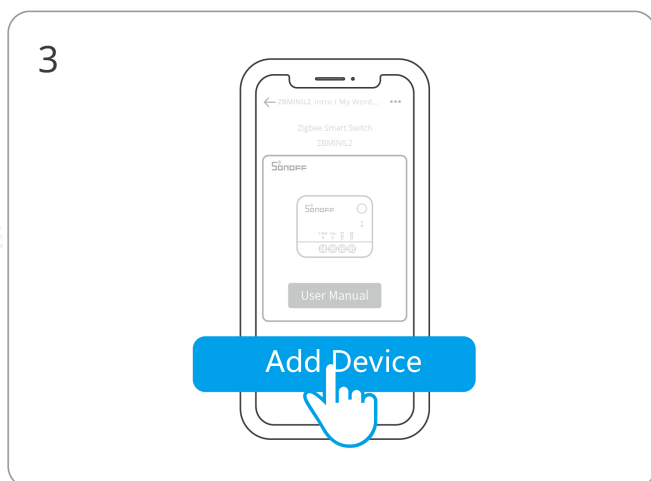
Method 1: Scan QR Code



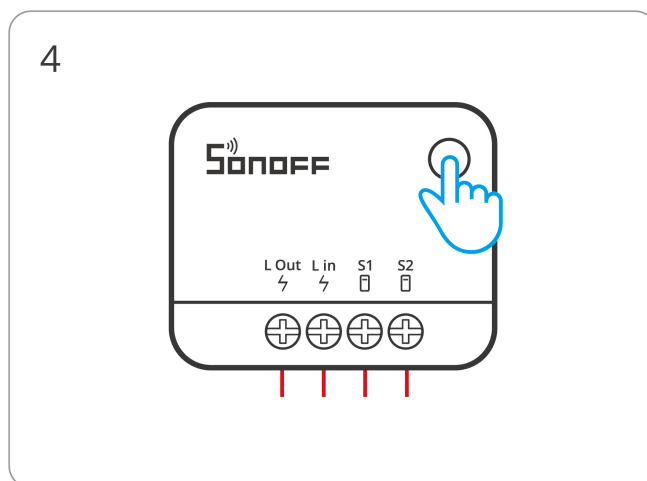
Enter "Scan"



Scan the QR code on the device

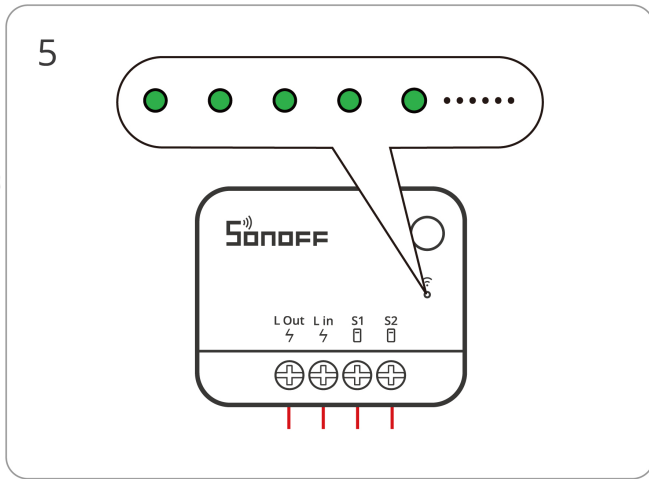


Select "Add "

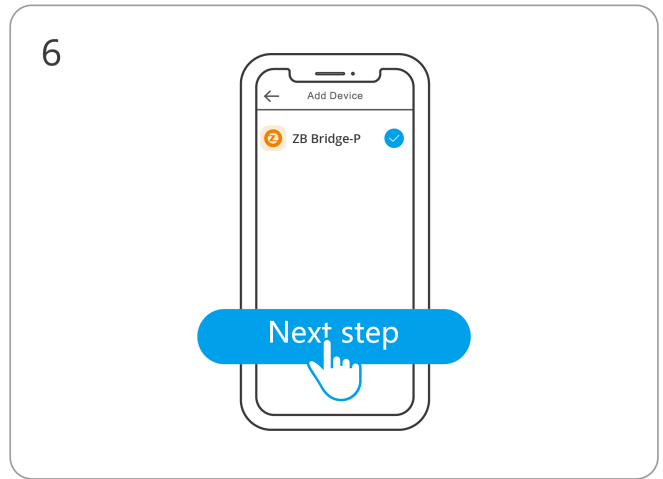


(If device exits pairing mode)

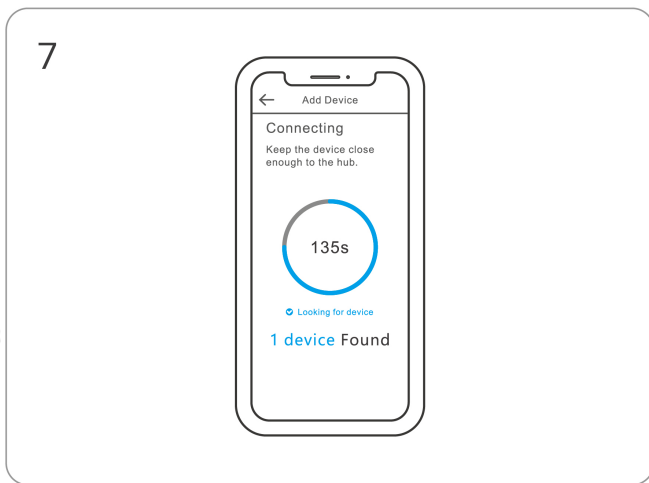
Press and hold the button for 5 seconds



Check that the LED is slowly flashing

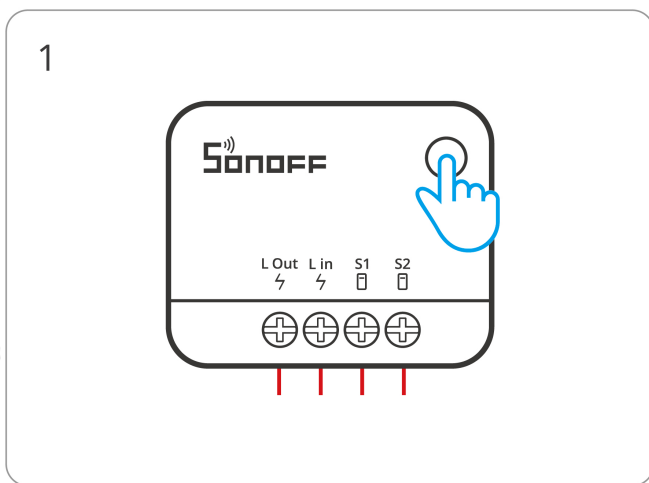


Select the Zigbee gateway

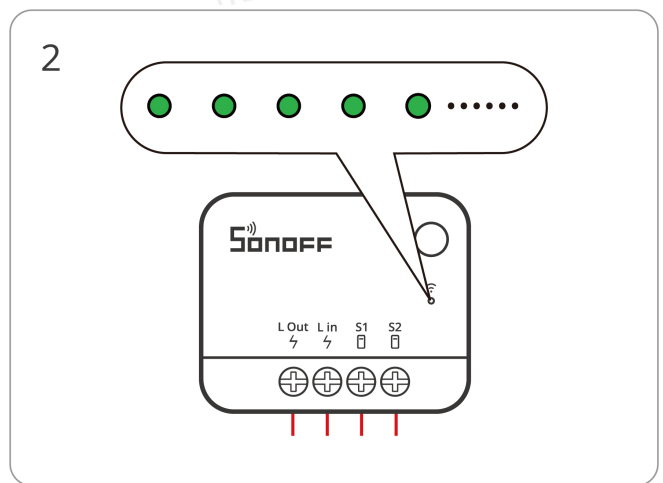


Wait until the addition is done

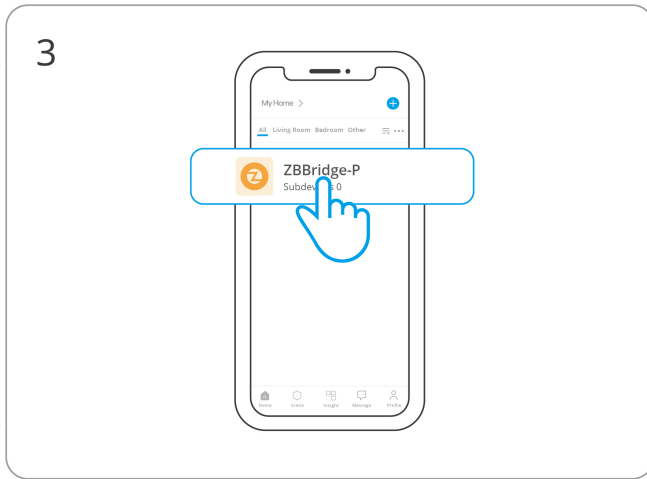
Method 2: Activate Gateway Pairing Mode



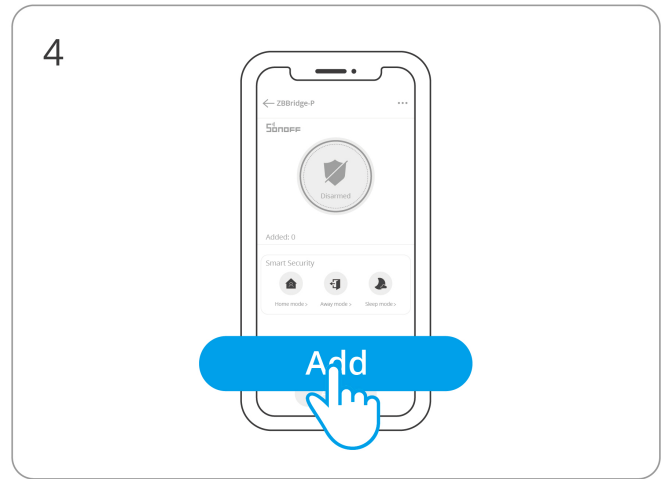
Press and hold the button for 5 seconds to confirm the device enters pairing mode



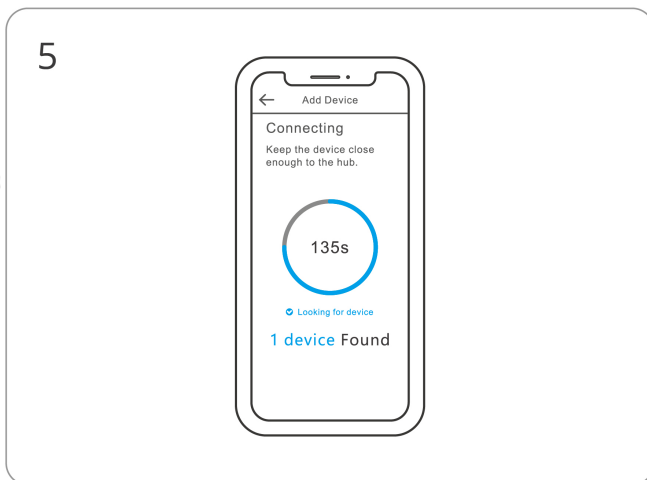
Check that the LED is slowly flashing



Select the gateway on the eWeLink app home page

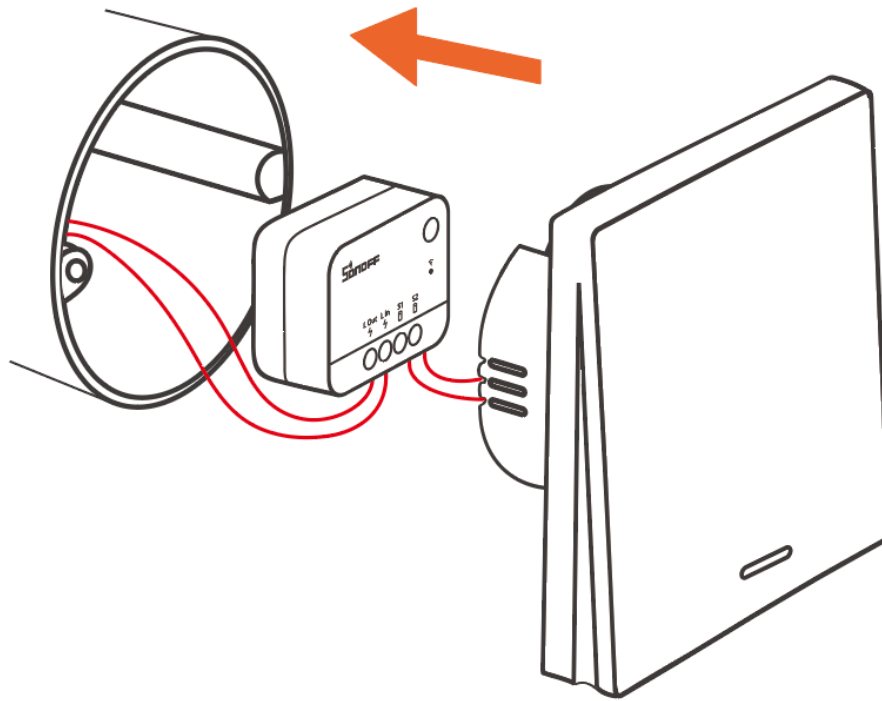


Find and click "Add " in the gateway page



The gateway enters pairing mode and waits for pairing to complete.

Install the Device in an Electrical Box



Factory Reset

Trigger conditions (any of the following):

- Delete the device on eWeLink.
- Press and hold the device button for 5 seconds.

FCC compliance statement

Responsible Party Name: SONOFF TECHNOLOGY LLC

Address: 14777 NE 40th St, Suite 201 Bellevue, WA 98007

Email Address: usres@itead.cc FCC ID: 2APN5ZBMINIL2

1.This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

2.Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

—Reorient or relocate the receiving antenna.

—Increase the separation between the equipment and receiver.

—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

—Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure statement:

The device has been evaluated to meet general RF exposure requirement, This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.

ISED Notice

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

This Class B digital apparatus complies with Canadian ICES-003(B).

This device complies with RSS-247 of Industry Canada. Operation is subject to the condition that this device does not cause harmful interference.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

(1) L'appareil ne doit pas produire de brouillage;

(2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Cet appareil numérique de la Classe B conforme à la norme NMB-003(B) du Canada.

Cet appareil est conforme à la norme RSS - 247 d'Industrie Canada. Le fonctionnement est soumis à la condition que cet appareil ne provoque pas d'interférences nuisibles.

ISED Radiation Exposure Statement

This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.

Cet équipement doit être installé et utilisé avec une distance minimale de 20 cm entre le radiateur et votre corps.

EU Declaration of Conformity

Hereby, Shenzhen Sonoff Technologies Co., Ltd. declares that the radio equipment type ZBMINIL2 is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: <https://sonoff.tech/compliance/>

For CE Frequency

EU Operating Frequency Range:

Zigbee: 2405–2480MHz

EU Output Power:

Zigbee≤10dBm

WEEE Disposal and Recycling Information



WEEE Disposal and Recycling Information All products bearing this symbol are waste electrical and electronic equipment (WEEE as in directive 2012/19/EU) which should not be mixed with unsorted household waste. Instead, you should protect human health and the environment by handing over your waste equipment to a designated collection point for the recycling of waste electrical and electronic equipment, appointed by the government or local authorities. Correct disposal and recycling will help prevent potential negative consequences to the environment and human health. Please contact the installer or local authorities for more information about the location as well as terms and conditions of such collection points.

Scatola	Manuale
PAP 21	PAP 22
Carta	Carta
RACCOLTA DIFFERENZIATA	
Verifica le disposizioni del tuo Comune.	
Separa le componenti e conferiscile in modo corretto.	



Manufacturer: Shenzhen Sonoff Technologies Co., Ltd.

Address: 3F & 6F, Bldg A, No. 663, Bulong Rd, Shenzhen, Guangdong, 518000, China

Service email: support@itead.cc

Website: sonoff.tech

Made in China



FR

**Cet appareil
se recycle**

À DÉPOSER
EN MAGASIN



OU

À DÉPOSER
EN DÉCHÈTERIE



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CERTIFIED TO CAN/CSA STD.E60730-1