User Manual SNZB-02UL (EN)

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ITEAD - 李梓旋(42604830)

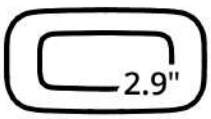


Zigbee Temperature Humidity Sensor

User Manual V1.0

Introduction

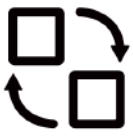
SNZB-02UL is a low-power Zigbee Temperature & Humidity Sensor featuring a 2.9-inch high-definition E-Ink display for real-time monitoring and intuitive viewing of ambient temperature and humidity. With multiple installation options, it adapts to various indoor scenarios. After connecting to a gateway, it can also display the time, date, and daily weather information. Use the button to switch pages and view historical data. With gateway-enabled smart integration, it supports a wide range of smart scenes to meet whole-home smart automation needs.



2.9″ E-Ink Display



Time, Date & Weather Display



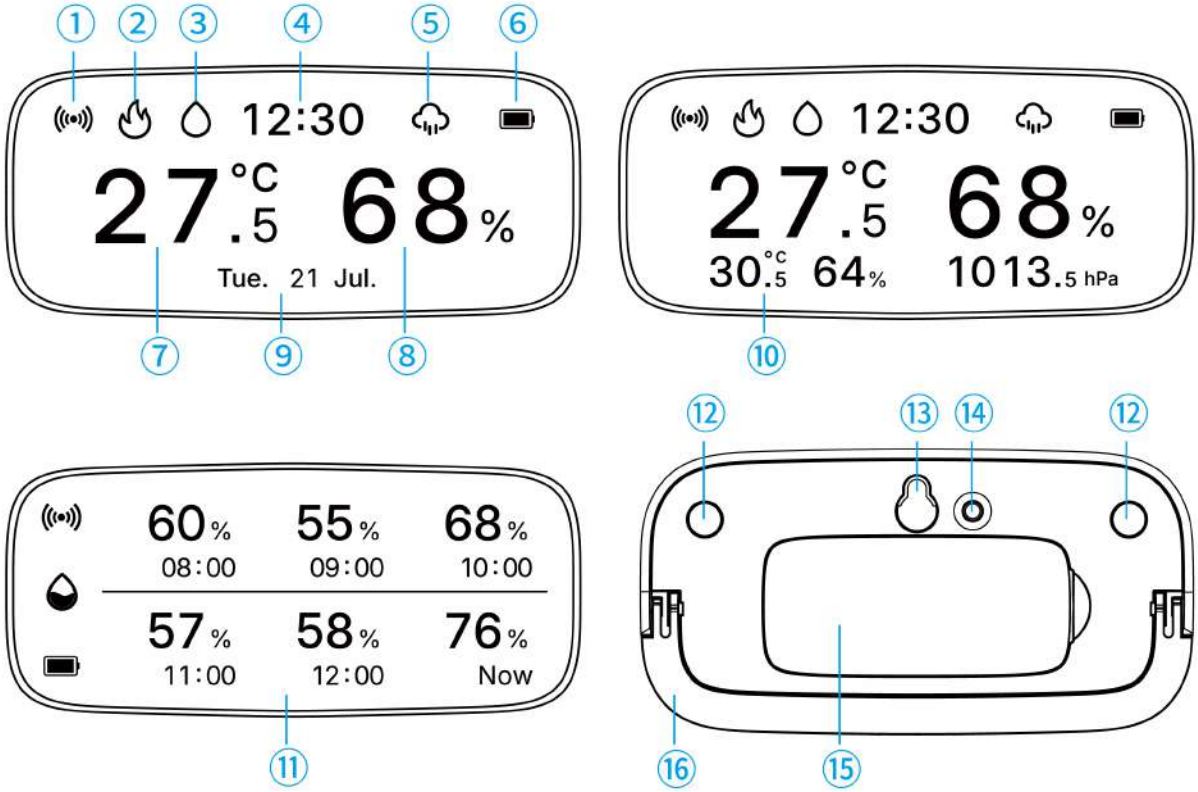
Multi-Page Switching

Remote Temperature & Humidity Display

High Accuracy

Smart Scenes

*The above features depend on the capabilities of the Zigbee gateway.



①	**Zigbee Signal Icon** • Slow flashing: device is in pairing mode • Steady on: Zigbee connection successful
②	**Temperature Comfort Icon** • Includes two states: hot and cold
③	**Humidity Comfort Icon** • Includes two states: humid and dry

④	**Time**
⑤	**Weather**
⑥	**Battery Level**
⑦	**Current Temperature**
⑧	**Current Humidity**
⑨	**Date**
⑩	**External Temperature & Humidity**
⑪	**Historical data** • Temperature and humidity display can be switched
⑫	**Anti-slip Rubber Pad**
⑬	**Hanging Hook Slot**
⑭	**Button** • Single press: Switch display pages / effective communication distance verification • Double press: Switch temperature unit • Long press for 5 seconds: Enter pairing mode (pairing lasts 3 minutes) • Long press for 10 seconds: Factory reset
⑮	**Battery Cover**
⑯	**Stand**

Note:

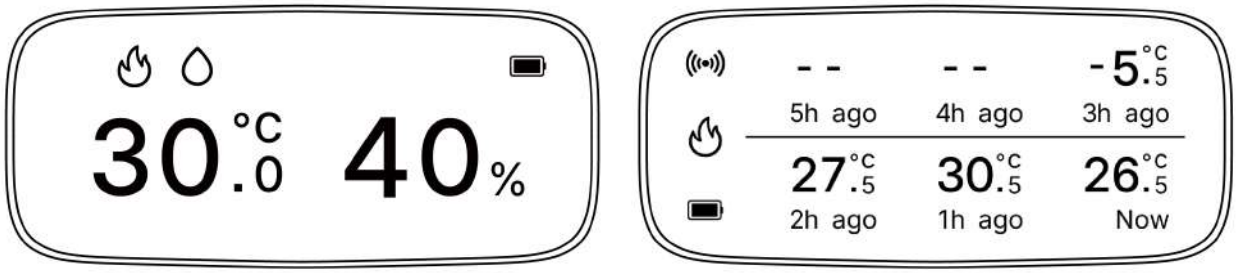
1. ④, ⑤, ⑨, and ⑩ require a connection to a SONOFF Zigbee gateway or to Home Assistant via a SONOFF ZB Dongle.
2. There are eight types of weather icons. Their meanings are listed below:



Sunny (Day)	Clear (Night)	Partly Cloudy (Day)	Partly Cloudy (Night)	Overcast	Rain	Snow	Windy

3. If the device loses network connection, the following data will no longer be displayed after 24 hours: time, date, weather, and remote temperature & humidity sensor readings. All information will automatically sync and reappear once the network connection is restored.

When the device is not connected to the network, the screen displays as follows:



Specifications

AirGuard TH E-Ink Lite	
Product Series	AirGuard Series
Product Name	Zigbee Temperature Humidity Sensor
Model	SNZB-02UL
MCU	TLSR8258
Input	3.0V ⎓ (2×1.5V batteries)
Battery Model	LR03 AAA
Screen Size	2.9 inches
Wireless Connection	Zigbee (IEEE 802.15.4)
Net Weight	91.0g (including batteries)
Color	White

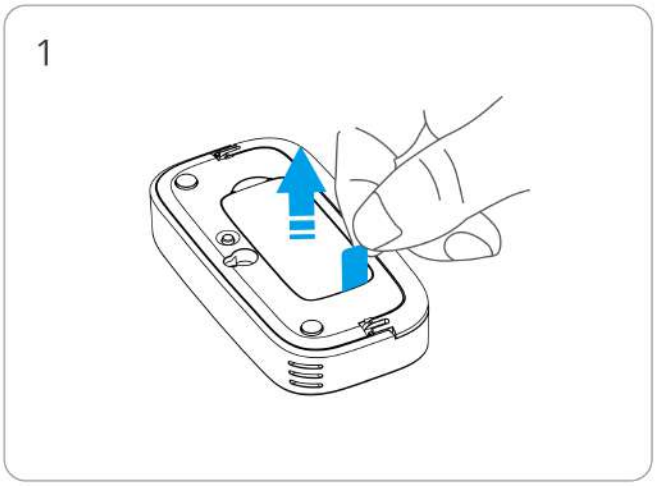
Dimensions	99.1×51.1×18.6mm
Casing Material	PC
Application Environment	Indoor
Working Temperature	0 ~ 50 ˚C
Working Humidity	5~95% RH (non-condensing)
Certification	CE/FCC/RoHS

Download the eWeLink App

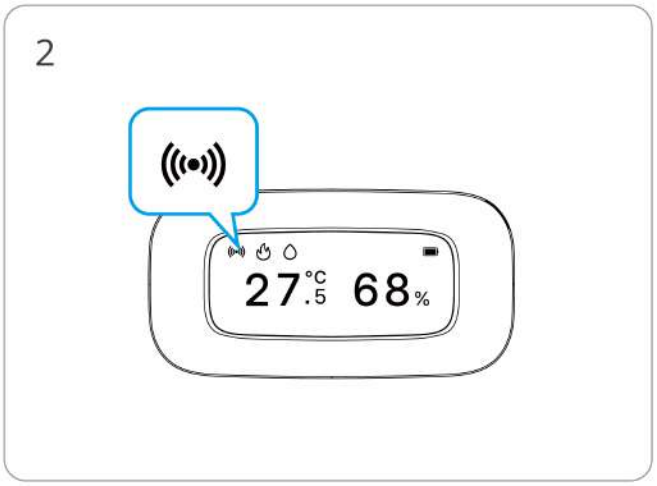
Please download the "**eWeLink**" App from the **Google Play Store** or **Apple App Store**.



Power On the Device



Take out the battery insulation sheet to power on the device.



After powering on, the device enters pairing mode by default on first use, with the signal icon flashing slowly for 180 seconds.

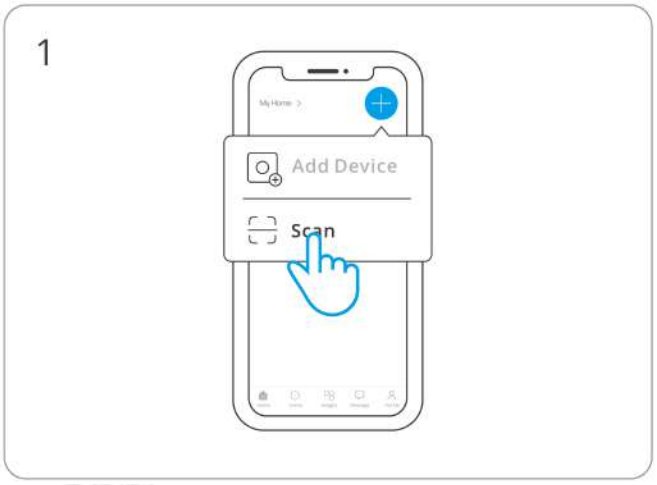
ⓘ If no pairing is completed within 3 minutes, the device will exit pairing mode. To re-enter, press and hold the button for 5 seconds until the signal icon flashes slowly.

Add Device

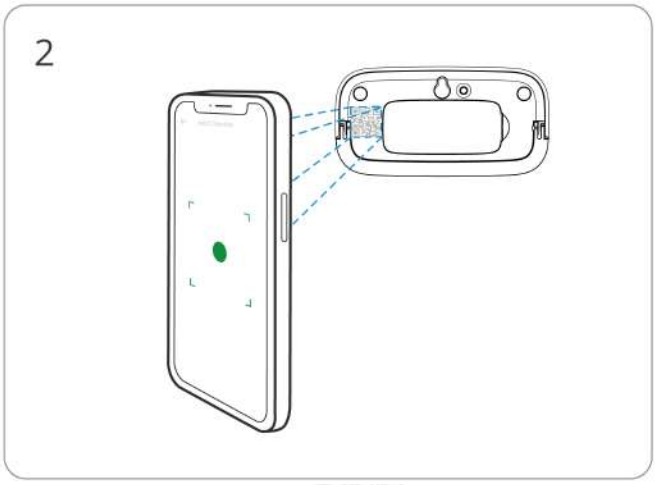
① Add SONOFF Zigbee Gateway

Compatible Gateways	
Recommended SONOFF Gateways	ZBBridge-P, ZBBridge-U, NSPanel Pro, iHost
Other Compatible SONOFF Gateways	ZBDongle-P, ZBDongle-E, Dongle-M, Dongle-PMG24, Dongle-LMG21

② Device Pairing



Enter "Scan"

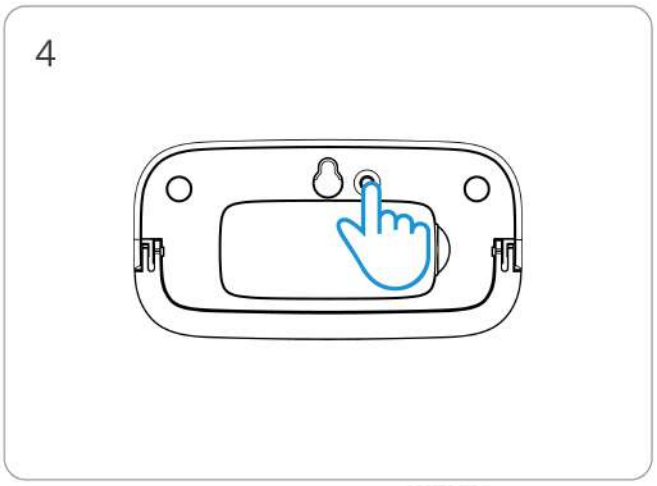


Scan the QR code on the device

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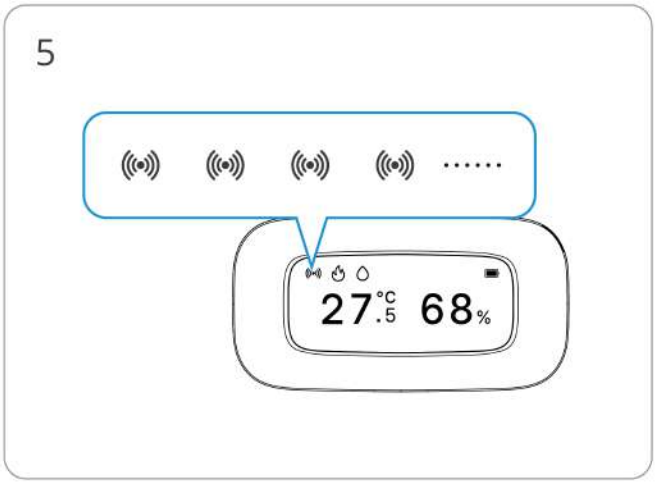


Select "Add Device"

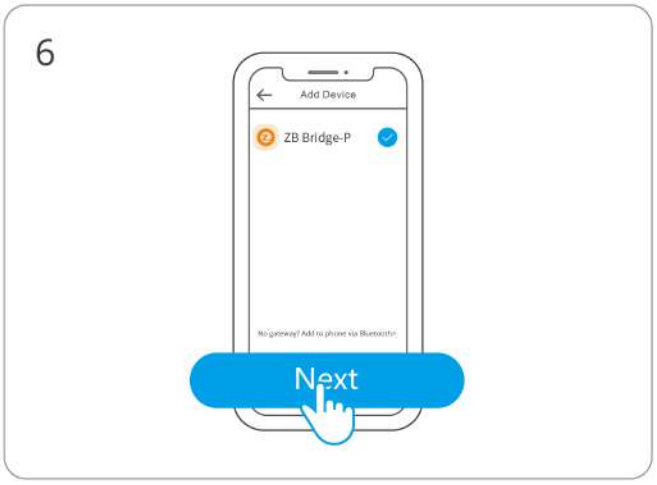


(If the device exits pairing mode)

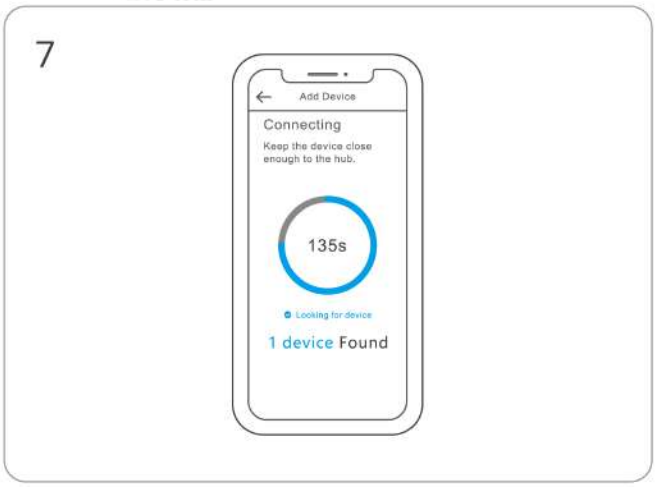
Long press the button for 5 seconds



The signal icon flashes slowly for 180s



Select Zigbee gateway



Wait until the device is added

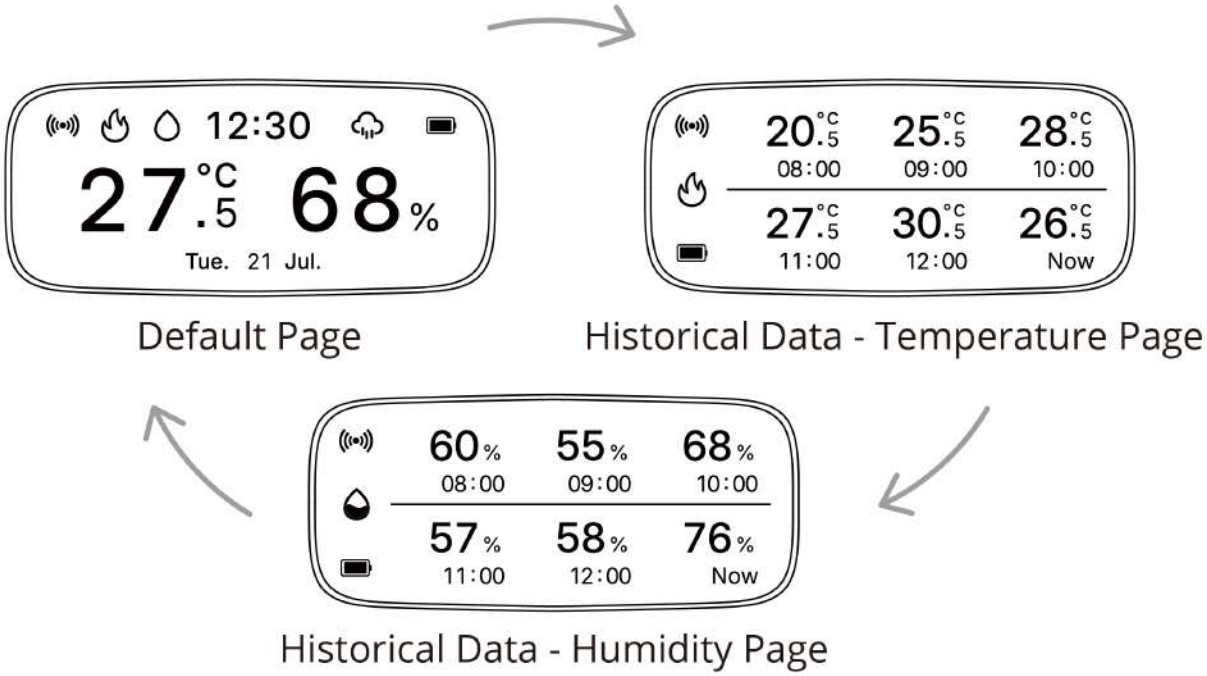
Third-Party Compatible Gateways

Third-Party Compatible Gateways	
Samsung gateway model	SmartThings hub V3, AeoTec Smart Home Hub V3
Amazon gateway model	Echo Plus 2nd, Echo 4th Gen, Echo Show 2nd

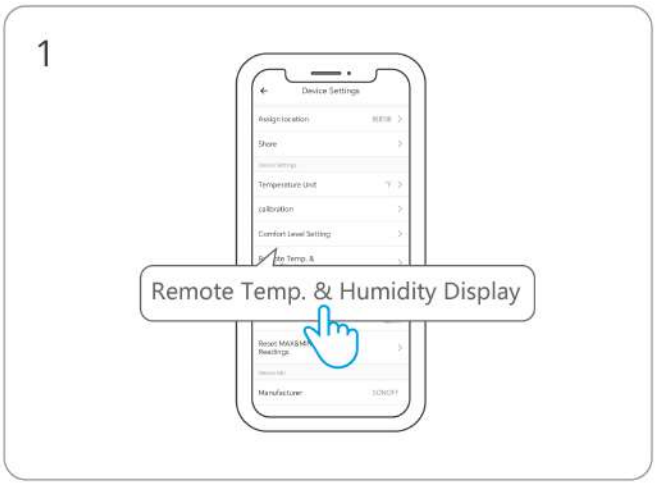
ⓘ Other gateways supporting Zigbee 3.0 protocol and temperature & humidity sensors. Please confirm with the gateway manufacturer.

Multi-Page Switching

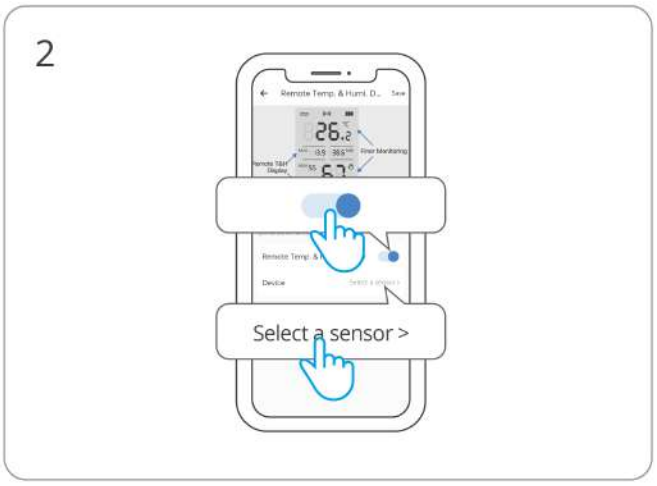
Short-press the button to switch display screens. There are three display pages in total, and the switching sequence is as follows:



Remote Temperature & Humidity Display



Select **“Remote Temp. & Humidity Display”**on device setting page.



Turn on the switch and choose the device to be used as the remote temperature & Humidity source.



Tap **“Save”** in the upper-right corner, then press the device button as prompted to confirm.



Once successfully set, remote data will appear on both the display and the App.

ⓘ To cancel remote temperature & humidity display: Turn off the switch, then press the device button to save the setting. The date will replace the remote temperature & humidity data and be displayed at the bottom of the screen.

ⓘ Both the display device and the device used as the remote temperature & humidity source must be added under the same SONOFF Zigbee gateway. SONOFF gateways that support the feature include: ZBBridge-P, ZBBridge-U, NSPanel Pro, iHost. The feature is also supported when connected to Home Assistant (HA).

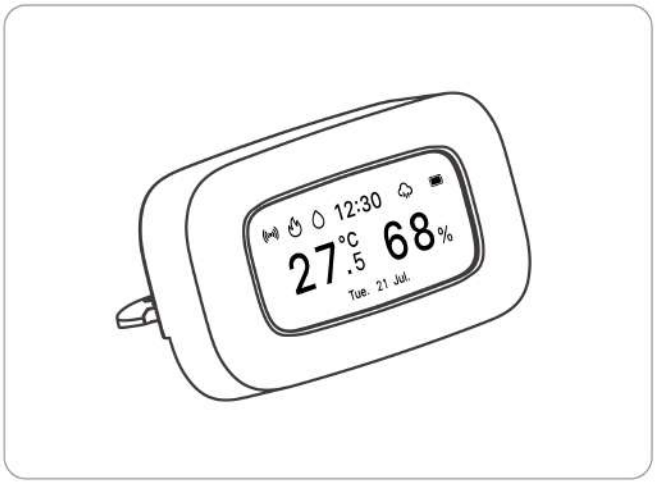
ⓘ The following SONOFF sensors can be used as a remote temperature & humidity source: SNZB-02P, SNZB-02D, SNZB-02WD, SNZB-02LD, SNZB-02DR2, SNZB-02B,

SNZB-02M, SNZB-02UL.

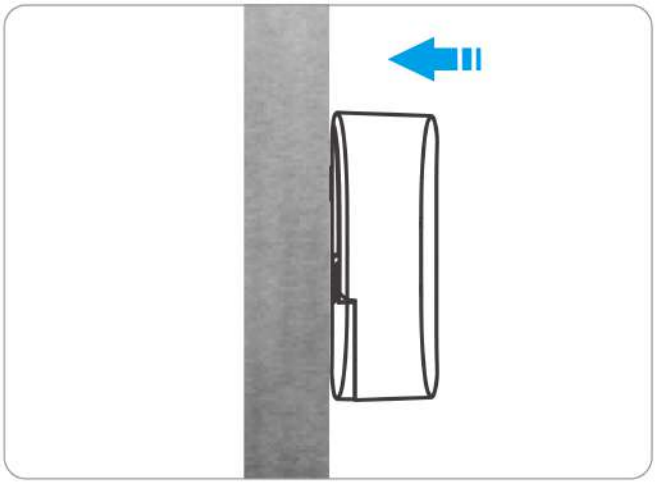
Effective Communication Distance Verification

Install the device in the desired place, then short-press the pairing button on the device. The signal icon (((•))) flashes twice, indicating that the device and other devices on the same Zigbee network (the router device or hub) are in the effective communication distance.

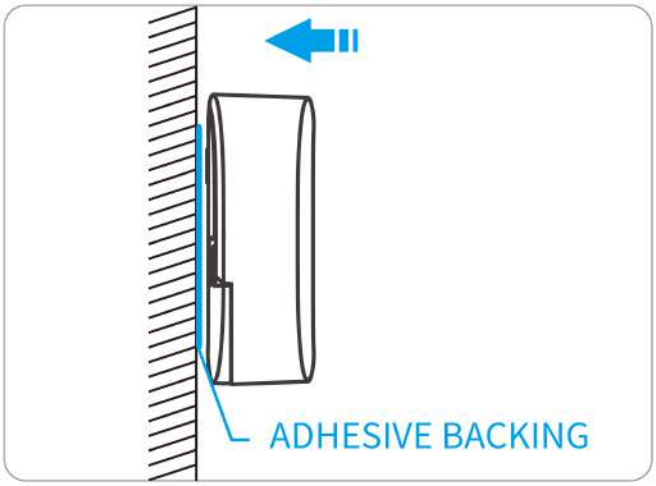
Installation



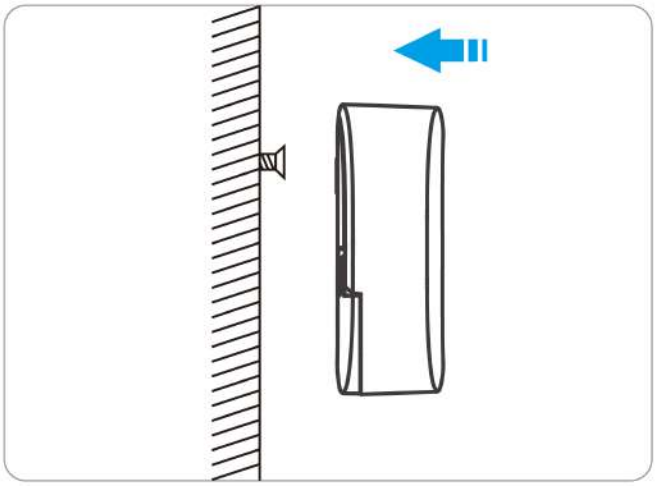
Place on the desktop



Magnetic mounting on metal surfaces



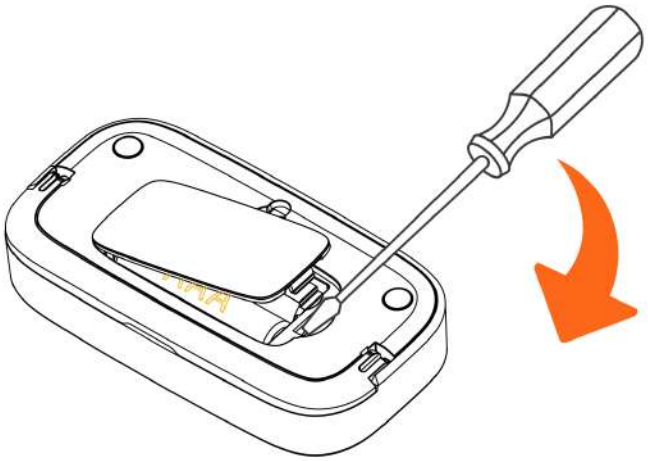
Wall mounting with adhesive



Wall hanging

ⓘ This device is intended for installation at a height of no more than 2m.

Replace the Battery



Locate the battery cover latch and pry it open using a tool.

ⓘ If replacing the batteries, use the same type of battery.

Factory Reset

Trigger Conditions (Any one of the following conditions is met)

1. Tap the "**Delete device**" button in the eWeLink App.
2. Press and hold the pairing button for 10 seconds until the signal icon flashes five times.

The device will then be restored to factory settings.

WARNING

· Do not use metal short-circuited batteries, Otherwise, the batteries may leak, catch fire, or explode.

· Do not replace a battery with an incorrect type.

· Disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, that can result in an explosion.

· This appliance contains non-rechargeable batteries, these batteries are not to be recharged.

· For safety purposes, please reinstall the battery cover back onto the device after replacing the battery.

Scatola	Manuale	Pellicola	Borsa
PAP 21	PAP 22	PET 1	LDPE 4
Carta	Carta	Plastica	Plastica
RACCOLTA DIFFERENZIATA			
Verifica le disposizioni del tuo Comune. Separa le componenti e conferiscile in modo corretto.			

EU Declaration of Conformity

Hereby, Shenzhen Sonoff Technologies Co., Ltd declares that the radio equipment type SNZB-02UL 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—2480 MHz

EU Output Power

Zigbee≤10dBm

Under normal use of condition, this equipment should be kept a separation distance of at least 20 cm between the antenna and the body of the user.

WEEE Disposal and Recycling Information

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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.

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: 2APN5–SNZB02UL

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:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

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

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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

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FR
Cet appareil et ses piles se recyclent
À DÉPOSER EN MAGASIN
OU
À DÉPOSER EN DÉCHÈTERIE
Points de collecte sur www.quefairedemesdechets.fr
Privilégiez la réparation ou le don de votre appareil !




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PAP
Al Azul