

User Manual SNZB-02DR2 (EN)



Zigbee Temperature and Humidity Sensor

User Manual V1.0

Introduction

AirGuard TH is a smart temperature and humidity sensor supporting both Zigbee and Bluetooth connections. It features a large high-definition LCD screen that displays real-time local temperature and humidity data, daily highs and lows, and remote readings—all at a glance, making it an ideal choice for home environment monitoring. When connected to a phone via Bluetooth, the app allows real-time tracking of temperature changes, viewing of historical statistics, and dew point data for intuitive and convenient monitoring. When paired with a Zigbee gateway, it supports remote data access, remote temperature and humidity source setup, and smart home scene automation for an enhanced experience.



3.6" Large Display



Dual-Mode Connectivity



App Monitoring



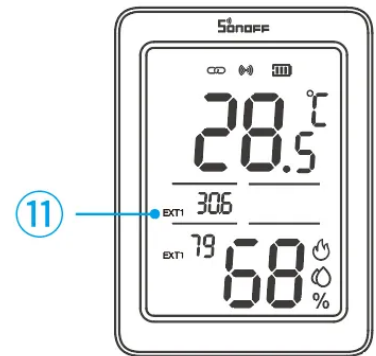
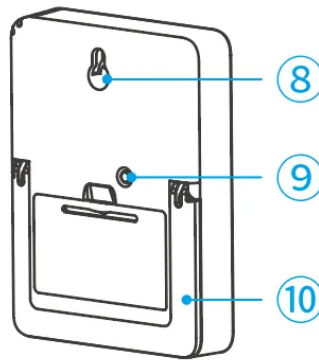
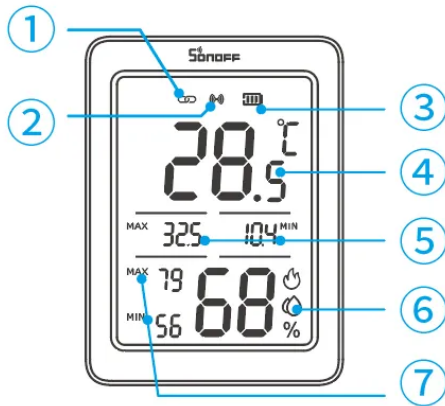
Dew Point Measurement



Remote Data Comparison



Smart Scenes



① Bluetooth Signal icon

- Keeps on: Bluetooth mode pairing successful

② Zigbee Signal icon

- Flashes slowly: Device is in pairing mode
- Keeps on: Zigbee mode pairing successful

⑦ Max/Min Humidity of the Day

⑧ Hanging Hole

③ Battery	⑨ Button • Single press: Device wake-up/Reconnection • Double-press: Switch temperature unit °C/°F (Factory default is °C) • Press and hold for 5 seconds: Device enters the pairing mode (Pairing time 180s)
④ Current Temperature	⑩ Stand
⑤ Max/Min Temperature of the Day	⑪ External Temp. & Humi.
⑥ Current Humidity	

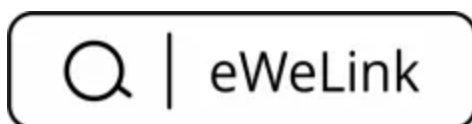
Specification

Product name	AirGuard TH
Product series	AirGuard Series
Product type	Zigbee Temperature and Humidity Sensor
Model	SNZB-02DR2
MCU	TLSR8656F512ET32
Input	3.0V  (2*1.5V batteries)
Battery model	LR03 AAA
Display	3.6"
Zigbee	IEEE 802.15.4
Net weight	99.3g (with batteries)
Color	White
Product dimension	95x70x18.2mm
Casing material	PC+ABS
Applicable place	Indoor

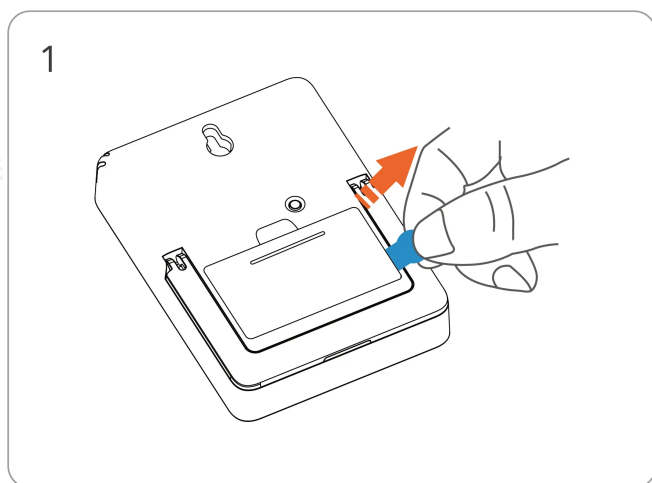
Working temperature	-20 ~ 60 °C
Working humidity	5~95% RH non-condensing
Certification	CE/FCC/RoHS

Download the eWeLink App

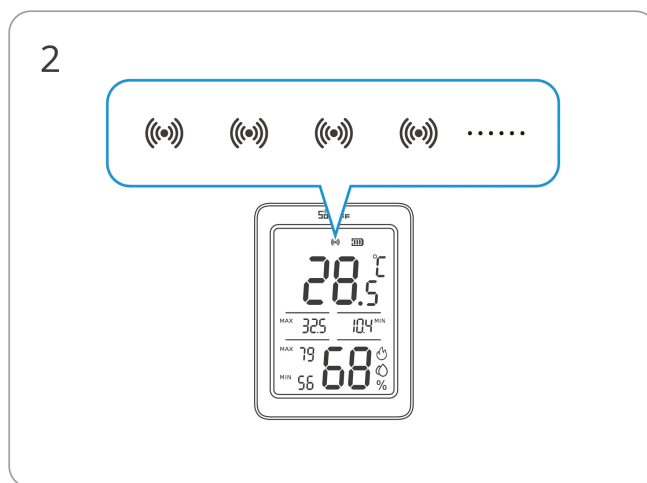
Please download the "eWeLink" App from **Google Play Store** or **Apple App Store**.



Power On the Device



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



When the device is used for the first time, it will enter pairing mode by default after being powered on, and the signal icon (📶) is in a "slow flashing state".

⚠ The device will exit the pairing mode if not paired within 3 minutes. When you want to enter the pairing mode again, long-press the button on the device for 5 seconds until the signal icon (📶) "flashes slowly" and release.

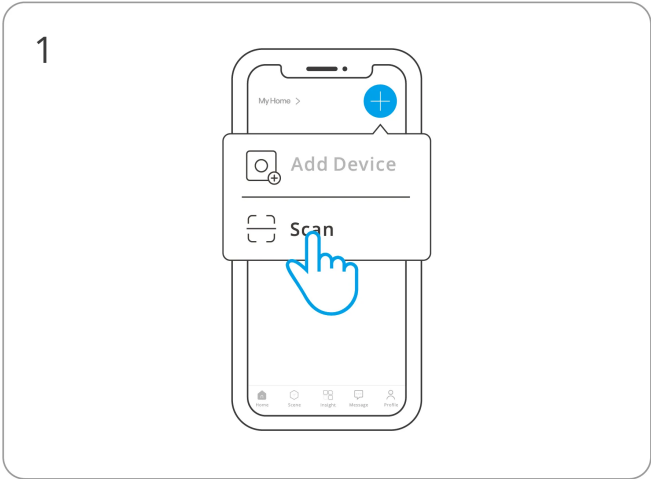
Add Device

Method 1 : Zigbee Pairing (Suggested)

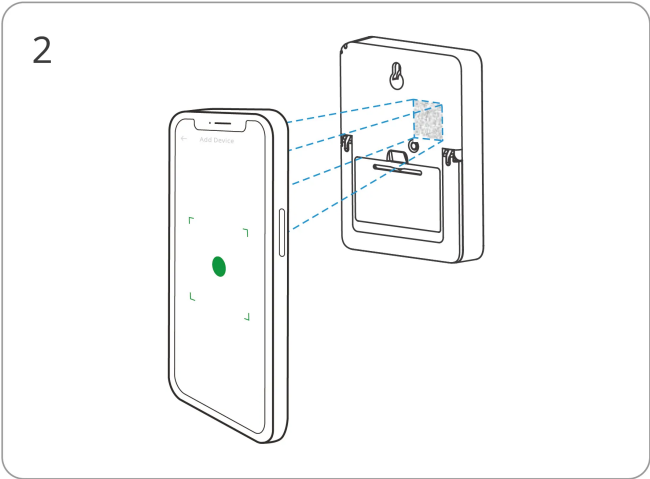
① Add SONOFF Zigbee gateway

Matched Gateways	
Recommended SONOFF gateway models:	ZBBridge-P, ZBBridge-U, NSPanel Pro, iHost
Other compatible SONOFF gateway models:	ZBDongle-P, ZBDongle-E, Dongle-M, Dongle-PMG24, Dongle-LMG21

② Add device



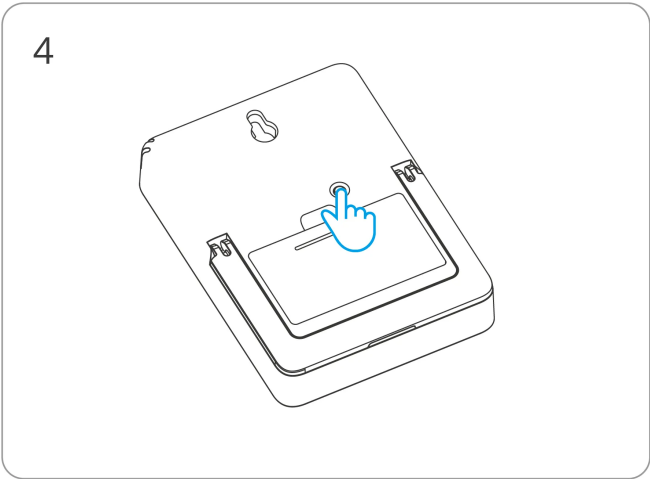
Enter "Scan"



Scan the QR code on the device

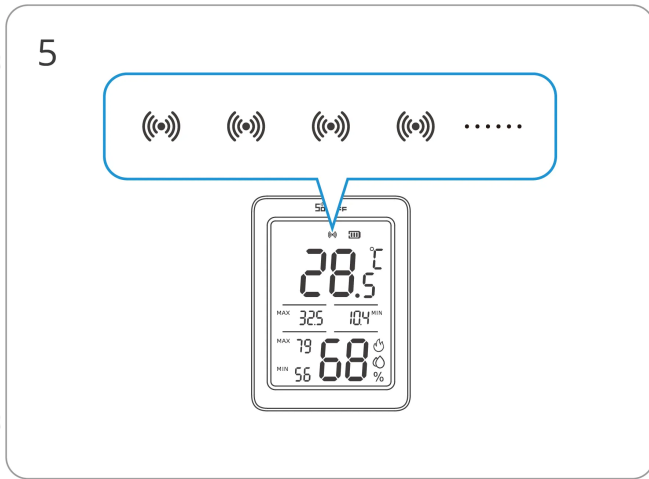


Select "Add Device"

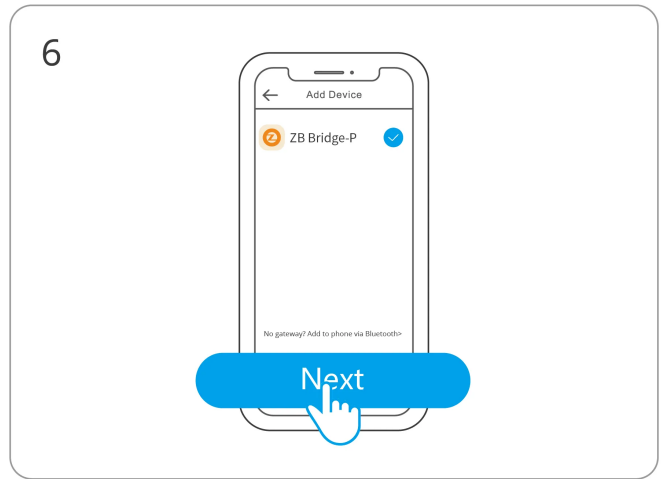


(If the device exits pairing mode)

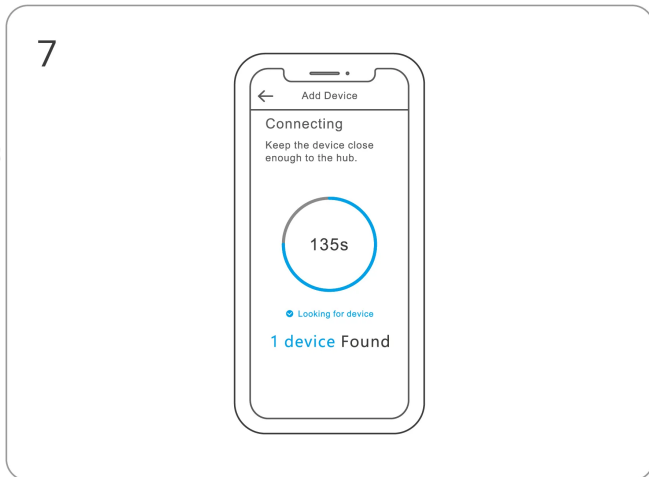
Long press the button for 5 seconds



Check the signal icon (📶) flashing status
(Slow flash)

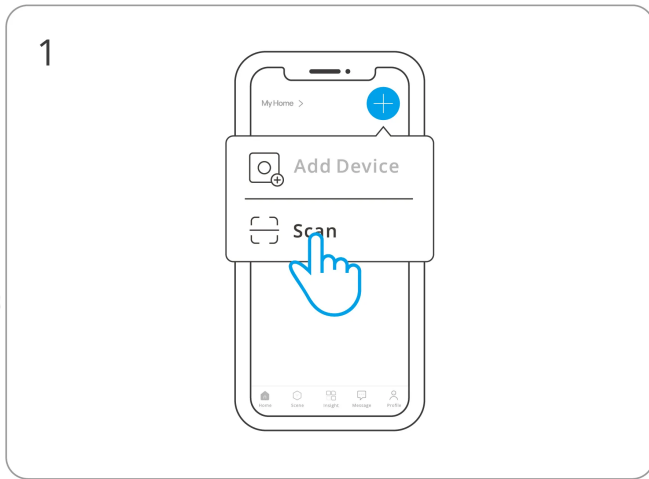


Select Zigbee gateway

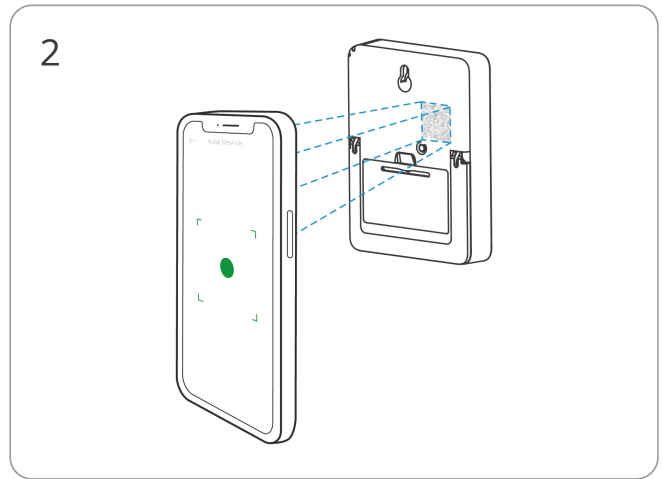


Wait until the addition is done.

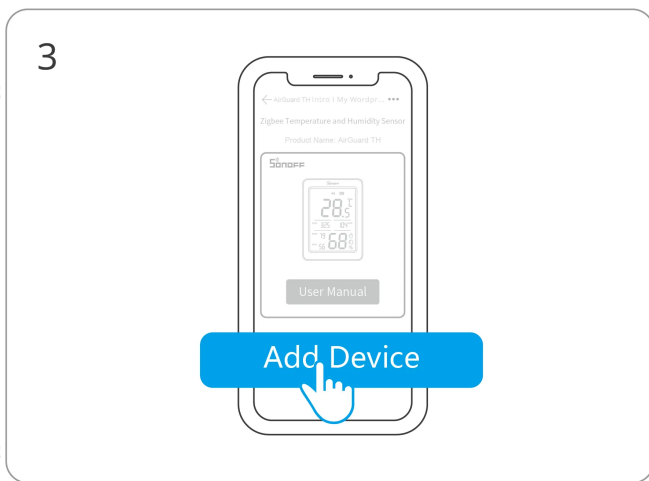
Method 2 : Bluetooth Pairing



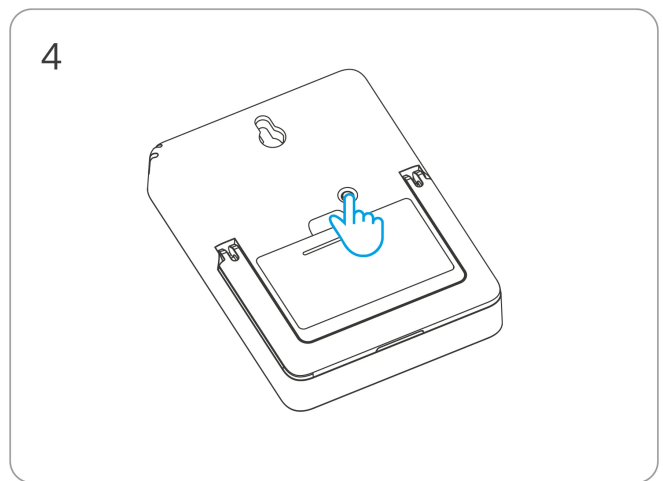
Enter "Scan"



Scan the QR code on the device

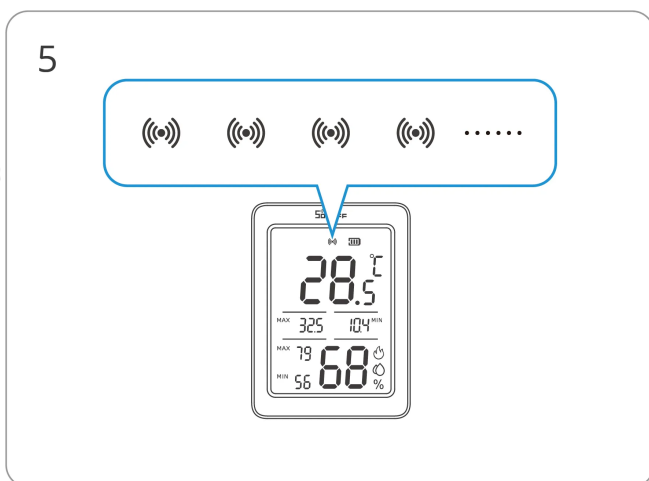


Select "Add Device"



(If the device exits pairing mode)

Long press the button for 5 seconds



Check the signal icon (📶) flashing status
(Slow flash)



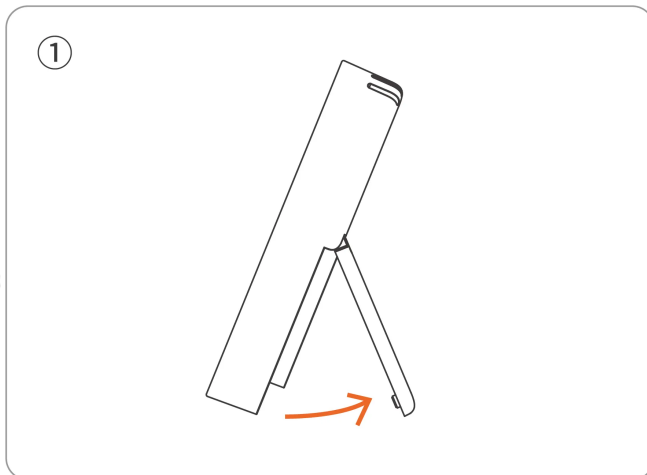
Tap "Next"



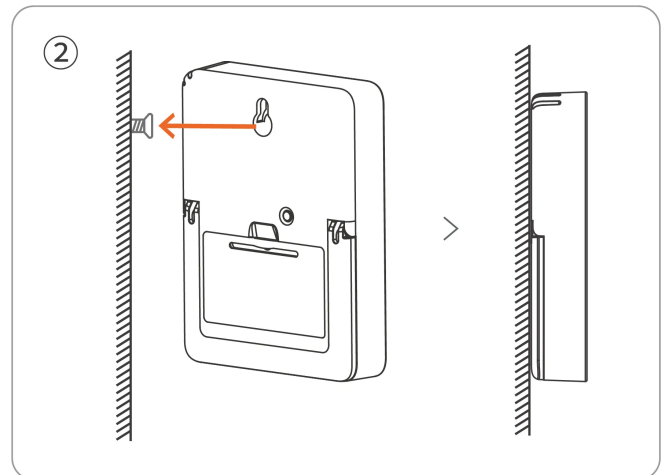
Choose the device and tap "connect"

- ⓘ When connected to the Zigbee gateway, the eWeLink App offers full features, including remote access, smart scenes, and notifications.
- ⓘ Without a Zigbee gateway, when the device is connected directly to the phone, the eWeLink App supports basic functions such as data viewing locally.

Installation Methods

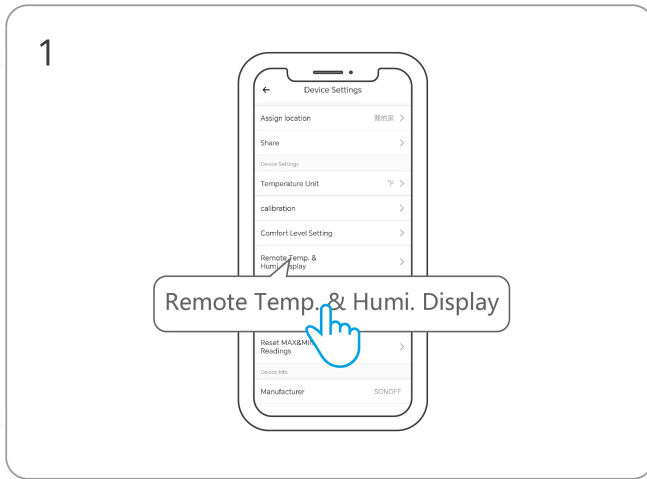


Open the stand to place the device on a tabletop.

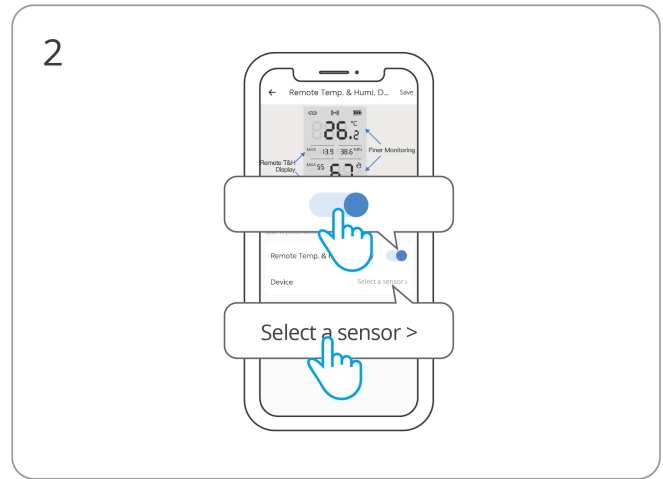


Use screws to hang the device on the wall.

How to use the Remote Temp. & Humi. Display



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



Turn on the switch and choose the device to be used as the remote temperature 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 Temp. & Humi. display: turn off the switch, then press the device button to save the settings.

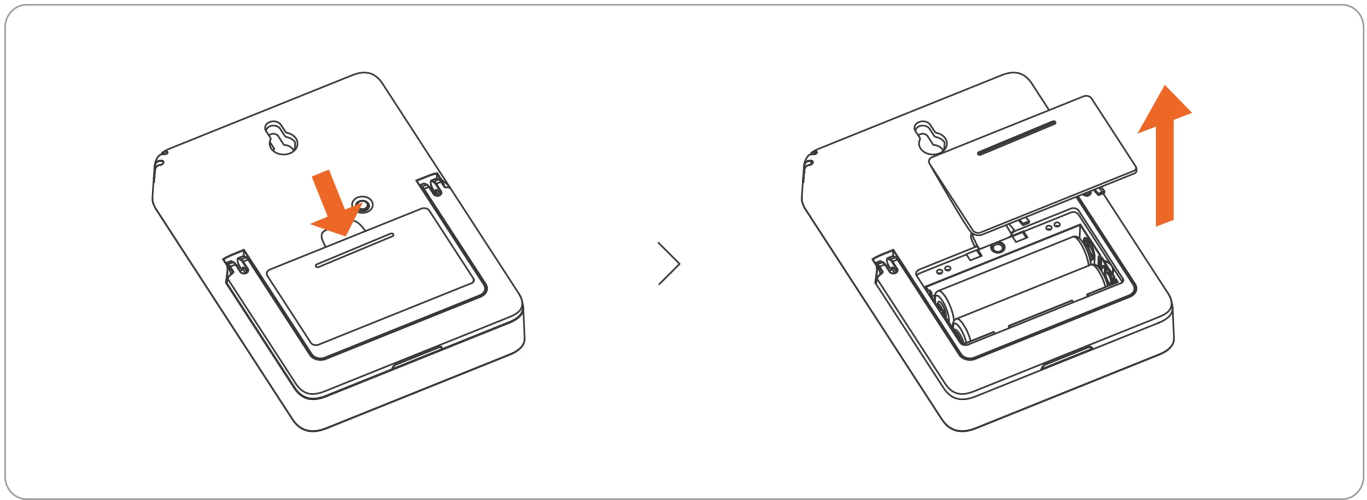
❗ Both the display device and the device used as the remote Temp. & Humi. source must be added under the same SONOFF Zigbee gateway.

❗ Supported SONOFF sensors for remote Temp. & Humi. source: SNZB-02, SNZB-02P, SNZB-02D, SNZB-02WD, SNZB-02LD.

❗ Supported SONOFF gateways for remote Temp. & Humi. source function: ZBBridge-P, ZBBridge-U, NSPanel Pro, iHost.

ⓘ To use this feature, please upgrade the device firmware to **version 1.1.0 or above**.

Replace the Battery



Remove the battery cover to replace the batteries.

ⓘ When replacing, use batteries of the same type.

Factory Reset

Press and hold the device button, then power it on. The device will be restored to factory settings.

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-SNZB02DR2

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 a 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.

EU Declaration of Conformity

Hereby, Shenzhen Sonoff Technologies Co., Ltd. declares that the radio equipment type

SNZB-02DR2 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

BLE: 2402–2480 MHz

EU Output Power:

Zigbee≤10dBm

BLE≤10dBm

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

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.



WARNING

1. Do not ingest battery, Chemical Burn Hazard.

2. If the battery compartment does not close securely, stop using the product and keep it away from children.

If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

3. DO NOT use metal short-circuited batteries. Otherwise, the batteries may leak, catch fire, or explode.

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

Scatola	Manuale	Borsa
PAP 20	PAP 22	CPE 7
Carta	Carta	Plastica
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 et
ses accessoires
se recyclent

À DÉPOSER
EN MAGASIN



OU

À DÉPOSER
EN DÉCHÈTERIE



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