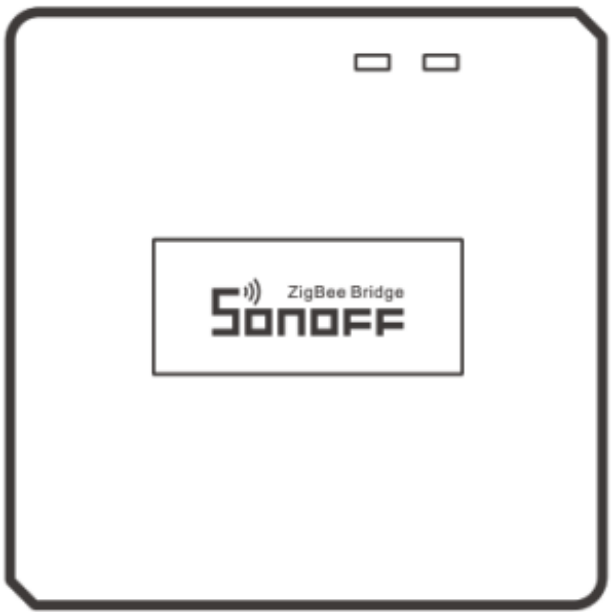
SONOFF ZB Bridge-P Smart Zigbee Bridge User Manual

ZB Bridge-P Smart Zigbee Bridge
User Manual V1.0



New Zigbee Bridge

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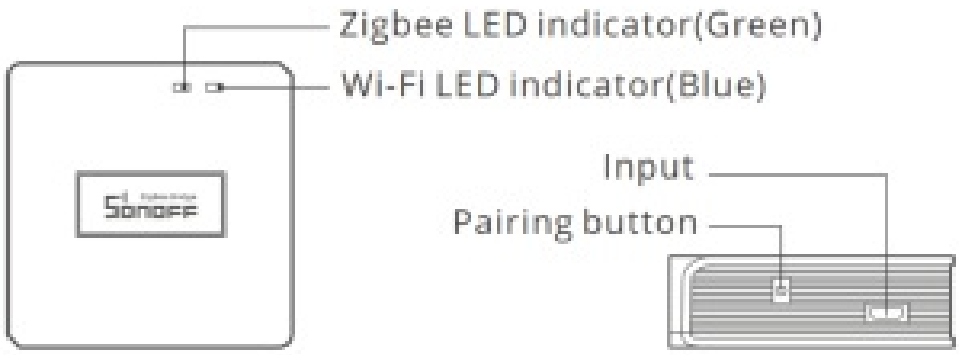
Product Introduction



The device's weight is less than 1 kg. An installation height of less than 2 m is recommended.

LED indicator status instruction

LED indicator status	
Blue LED flashes (one long and two short)	Zigbee LED Pairing Mode
Blue LED flashes quickly	Compatible Pairing Mode (AP)
Blue LED keeps on	Device is Oline
Blue LED flashes quickly once	Fail to Connect to Router
Blue LED flashes quickly twice	Connected to Router but Fail to Connect to Serve
Blue LED flashes quickly three times	Firmware Updating
Green LED flashes slowly	Searching and adding …

Features

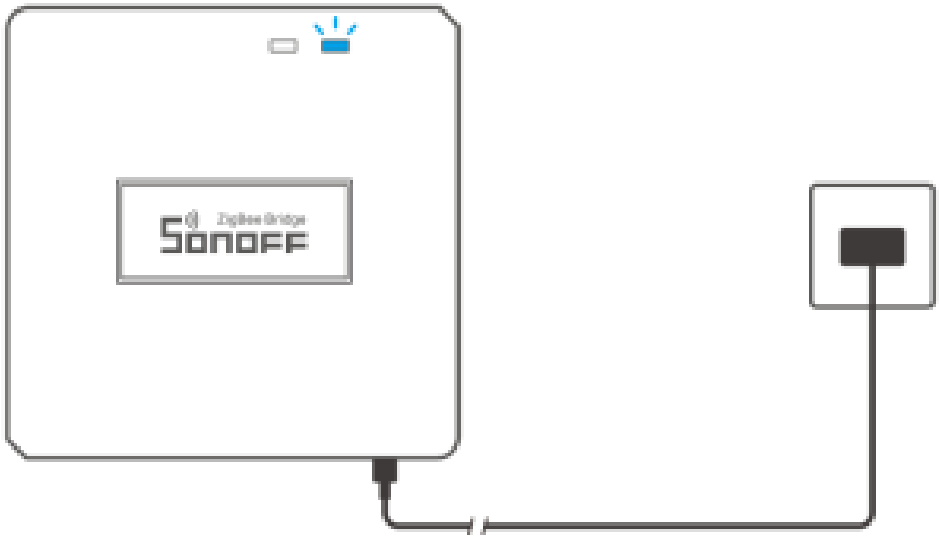
This is a Zigbee Bridge that allows you to control a variety of Zigbee devices by transforming Wi-Fi into Zigbee. You can remotely turn on/off or schedule on/off connected Zigbee devices, or share it with your family to control them together.

Operating Instruction

Download “eWeLink”App

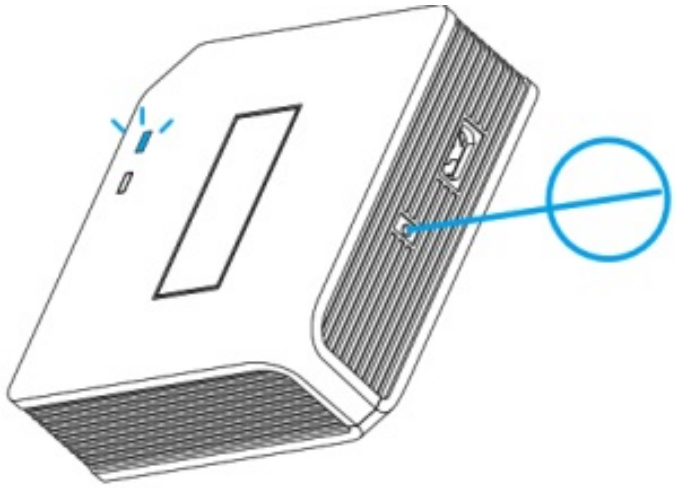
eWeLink Download on the App Store GET IT ON Google Play	Android™ & iOS
	http://app.coolkit.cc/dl.html

Power on

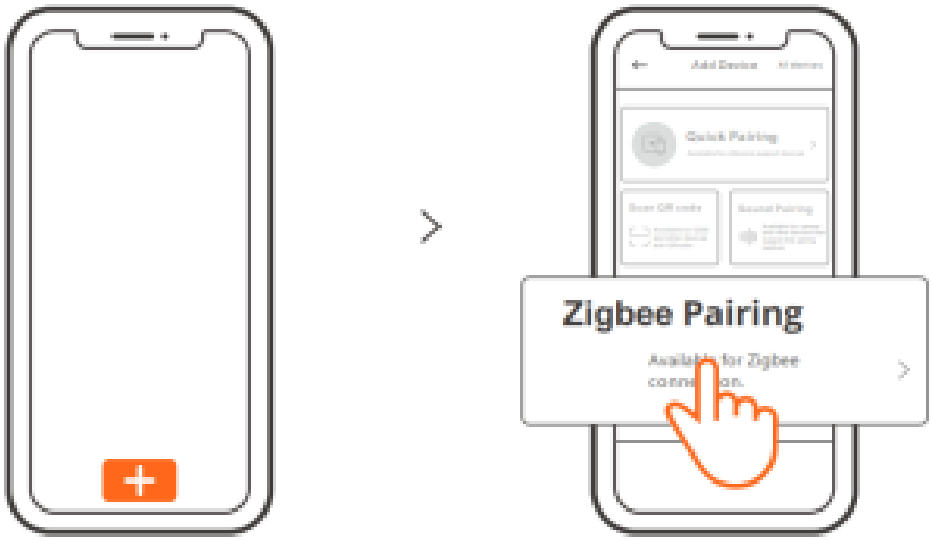


Power the device through a Micro USB cable. After powering on, the device will enter the Zigbee Pairing Mode during the first use. The Wi-Fi LED indicator changes in a cycle of two short and one long flash and release.

The device will exit the Zigbee Pairing Mode if not paired within 3mins. If you want to enter this mode, please long press the pairing button for about 5s until the Wi-Fi LED indicator changes in a cycle of two short and one long flash and release.

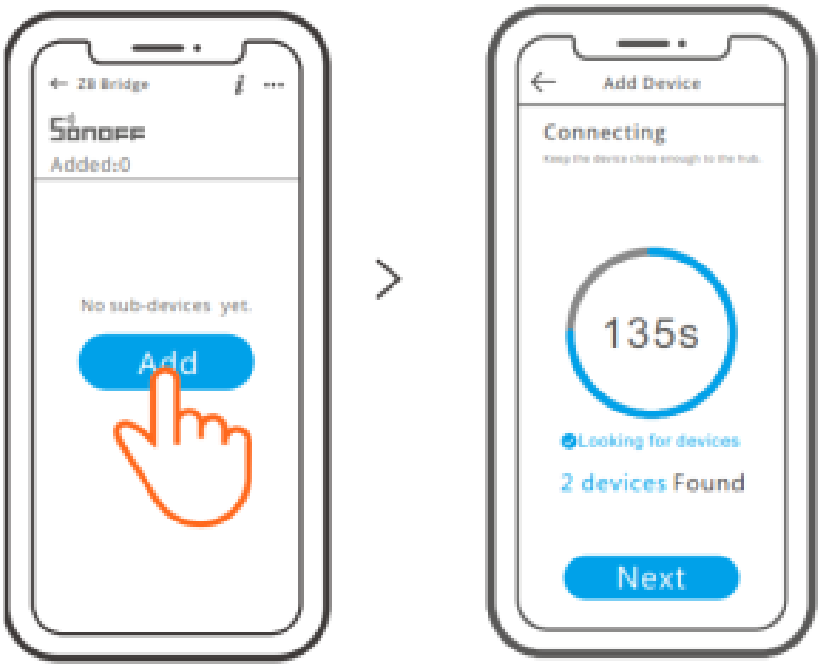


Add Zigbee Bridge



Tap “+” and select “Zigbee Pairing”, then operate following the prompt on the App.

Add Zigbee sub-devices to Zigbee Bridge



Make the sub-devices enter the pairing mode, tap the “Add” icon on the Zigbee Bridge interface, then wait for it to find the sub-devices and pair.

Through connecting the routers, a single Zigbee Bridge can add up to 128 sub-devices.

Compatible Pairing Mode

If you fail to enter Zigbee Pairing Mode, please try “Compatible Pairing Mode ” to pair.

1. Long press the Pairing button for 5s until the Wi-Fi LED indicator changes in a cycle of two short flashes and one long flash and release. Long press Pairing button for 5s again until the Wi-Fi LED indicator flashes quickly. Then, the device enters Compatible Pairing Mode.
2. Tap “+” and select “Compatible Pairing Mode ” on APP. Select Wi-Fi SSID with ITEAD-****** and enter the password 12345678, and then go back to eWeLink APP and tap “Next”. Be patient until pairing completes.

Specifications

Model	ZB Bridge-P
Input	5V⎓ 1A
Wireless connections	Wi-Fi IEEE 802.11 b/g/n 2.4GHz , Zigbee 3.0
App operating systems	Android & iOS
Working temperature	-10°C-40°C
Casing Material	PC VO
Product Size	62x62x20mm

Cancel the alarm sounds

The gateway alarm sounds triggered by setting scene control can be muted in the following ways:

1. Press the gateway pairing button with a SIM Pick.
2. Click the red “speaker” icon on the gateway interface of the eWeLink App.
3. Mute the gateway through scene control settings.

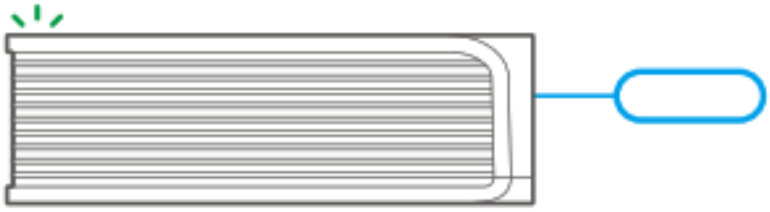
Currently supported Zigbee sub-devices

Brands	SONOFF	eWeLink
Models	BASICZBR3 SNZB-01 SNZB-01 P ZBMINI SNZB-02 SNZB-02P ZBMINI-L SNZB-03 SNZB-03P 531 Lite zb SNZB-04 SNZB-04P 540ZBTPA Lite 540ZBTPB Lite S26R2ZB (TPE/TPG/TPF)	SA-003-UK SA-003-US

The number of supported Zigbee sub-devices will continue to be increased.

This device is also supported other standard Zigbee sub-devices: 2-gang/3-gang/ 4-gang wall switches, water sensor, smoke sensor, bulb and etc.

Delete Zigbee sub-devices



Users can delete the single sub-device on the eWeLink APP.

Factory Reset

Deleting the device on the eWeLink app indicates you restore it to the factory setting.

Common Problems

Fail to pair Wi-Fi devices to eWeLink APP

1. Make sure the device is in pairing mode. After three minutes of unsuccessful pairing, the device will automatically exit pairing mode.
2. Please turn on location services and allow location permission. Before choosing the Wi-Fi network, location services should be turned on and location permission should be allowed. Location information permission is used to obtain Wi-Fi list information. If you click Disable, you will not be able to add devices.
3. Make sure your Wi-Fi network runs on the 2.4GHz band.
4. Make sure you entered the correct Wi-Fi SSID and password, no special characters are contained. Wrong password is a very common reason for pairing failure.
5. The device shall get close to the router for a good transmission signal condition while pairing.

Wi-Fi devices “Offline” issue, Please check the following problems by the Wi-Fi LED indicator status:

The LED indicator blinks once every 2s means you fail to connect to the router.

1. Maybe you entered the wrong Wi-Fi SSID and password.

2. Make sure that your Wi-Fi SSID and password don't contain special characters, for example, the Hebrew, Arabic characters, our system can't recognize these characters and then fail to connect to the Wi-Fi.
3. Maybe your router has a lower carrying capacity.
4. Maybe the Wi-Fi strength is weak. Your router is too far away from your device, or there may be some obstacle between the router and device which blocks the signal transmission.
5. Be sure that the MAC of the device is not on the blacklist of your MAC management.

The LED indicator flashes twice on repeated means you fail to connect to the server.

1. Make sure the Internet connection is working. You can use your phone or PC to connect to the Internet, and if it fails to access, please check the availability of the Internet connection.
2. Maybe your router has a low carrying capacity. The number of devices connected to the router exceeds its maximum value. Please confirm the maximum number of devices that your router can carry. If it exceeds, please delete some devices or get a lager router and try again.
3. Please contact your ISP and confirm our server address is not shielded:
   cn-disp.coolkit.cc (China Mainland)
   as-disp.coolkit.cc (in Asia except China)
   eu-disp.coolkit.cc (in EU)
   us-disp.coolkit.cc (in US)
   If none of the above methods solved this problem, please submit your request via help&feedback on the eWeLink APP.

FCC Warning

Changes or modifications not expressly approved by the party responsible for compliance could avoid the user's authority to operate the equipment.
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.
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 distance20cm between the radiator & your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
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.

Hereby, Shenzhen Sonoff Technologies Co., Ltd. declares that the radio equipment type ZB Bridge-P 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/usermanuals

The FCC IDs of ZigBee sub-devices supported by the current device are as follows
SNZB-01P FCC ID 2APN5SNZB-01P
SNZB-02P FCC ID 2APN5SNZB-02P
SNZB-03P FCC ID 2APN5SNZB-03P
SNZB-04P FCC ID 2APN5SNZB-04P

Shenzhen Sonoff Technologies Co., Ltd.

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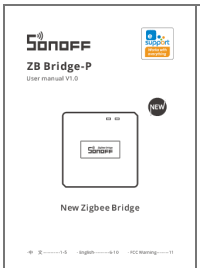
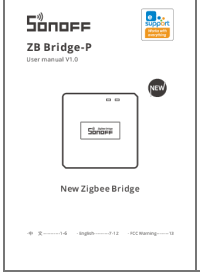
Documents / Resources

	SONOFF ZB Bridge-P Smart Zigbee Bridge [pdf] User Manual ZBBRIDGEP, 2APN5ZBBRIDGEP, ZB Bridge-P Smart Zigbee Bridge, Smart Zigbee Bridge, Zigbee Bridge, Bridge
	SONOFF ZB Bridge-P Smart Zigbee Bridge [pdf] User Manual ZBBRIDGEP, 2APN5ZBBRIDGEP, ZB Bridge-P Smart Zigbee Bridge, ZB Bridge-P, Smart Zigbee Bridge

References

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Manuals+, home privacy