



**ZBDongle-E**

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## Instructions for Use and FAQ

### Zigbee 3.0 USB Dongle Plus



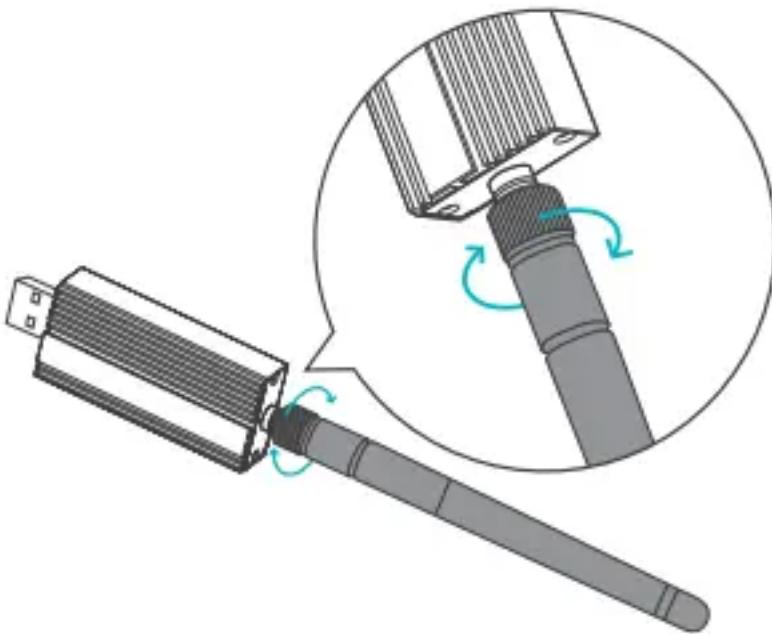
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## Instructions for Use

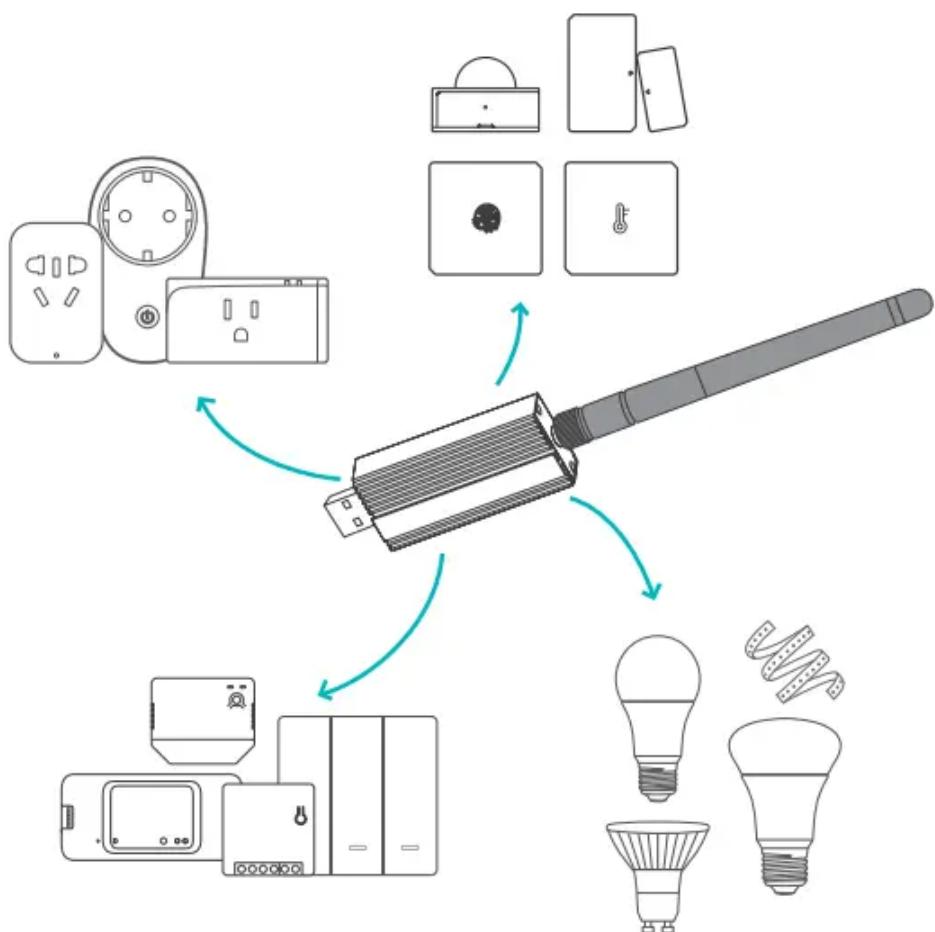
### Product Introduction

SONOFF Zigbee 3.0 USB Dongle Plus is pre-flashed with Zigbee coordinator firmware. Plug it into the computer /Raspberry Pi, you can use it as a Zigbee coordinator in smart home open source platforms such as Home Assistant, openHAB, etc. Also, you can reflash the firmware and use it as a router to extend the network range.

## Antenna Installation



## Supports a wide range of devices



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## FAQ

### 1. How to put the device with router firmware into pairing mode?

Just press and hold the Boot button for more than 8 seconds and then release it. When you see the green light flashing, you will enter pairing mode.

### 2. Devices supported by SONOFF Zigbee Dongle Plus.

SONOFF Zigbee Dongle Plus works great with most Zigbee devices, including popular brands like Sonoff, Aqara, Philips Hue, Huawei, IKEA, Tuya, and many more, mainly depends on the home automation platform on which the user uses dongle Plus:

ZHA: <https://www.home-assistant.io/integrations/zha>

Zigbee2MQTT: <https://www.zigbee2mqtt.io/guide/supported-hardware.html>

ioBroker: <https://github.com/Jey-Cee/ioBroker.deconz>

Domoticz: <https://github.com/Smanar/Domoticz-deCONZ>

Openhab: <https://www.openhab.org/addons/bindings/deconz/>

Jeedom: <https://compatibility.jeedom.com/index.php?v=d&p=home&protocol=Zigbee>

In addition to check the supported devices through the official platform, you also can view Blakadder compatibility lists which provides an extensive overview of the devices supported by different platforms.

### 3. How many devices can Sonoff Zigbee 3.0 USB dongle support?

50 children Zigbee devices can be directly added to the ZBDongle-P in coordinator mode and max 200 zigbee devices with routers

30 children Zigbee devices can be directly added to the

ZBDongle-E in coordinator mode and extra 30 zigbee devices with a router, no limit on firmware but depends on platforms.

#### **4. What is the difference between ZBDongle-P and ZBDongle-E?**

The main differences between ZBDongle-P and ZBDongle-E are the chip and the supported platform. ZBDongle-P uses CC2652P while ZBDongle-E EFR32MG21, and ZBDongle-E supports Openhab but ZBDongle-P doesn't support yet.

#### **5. Can I run 2 Dongles with ZHA and Zigbee2MQTT on the same machine together?**

Yeah, you can run two dongles at the same time. One in ZHA, the other one in Z2M, as long as you can uniquely identify them on the USB ports and keep separate Zigbee channels, ZHA defaults to 15, Z2M defaults to 11.

#### **6. Can I run Zigbee2MQTT and ZHA together on the same Dongle plus?**

No. Z2M and ZHA are the same protocol (Zigbee). You can run one or the other, or buy a second dongle and run both on separate dongles.

#### **7. Can I run 2 Dongles with ZHA simultaneously?**

No, users can only add one ZHA integration to Home Assistant (but HA can connect to multiple deCONZ or Zigbee2MQTT instances).

#### **8. How to flash Zigbee dongle plus as Router?**

Zigbee dongle plus is pre-installed with coordinator firmware, which can only be used to add sub-devices and cannot be added by other gateways (the Zigbee protocol stipulates that there can only be one gateway in each Zigbee network).

If you need to expand the Zigbee signal range, you can flash the

router firmware using the Sonoff Dongle Flasher web tool. Zigbee dongle plus running routing firmware will disguise itself as a light bulb.

## **9. How to check the firmware of SONOFF dongle plus and flash the firmware?**

You can use the official Sonoff Dongle Flasher web tool to check for the latest firmware and flash your device.

## **10. Do I need a USB extension cable?**

It's highly recommended using a USB extension cable between your USB port and your Zigbee dongle plus to minimise interferences.

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## More Detailed Tutorials

<https://dongle.sonoff.tech/guide/zbdongle-e/introduction/>

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## Manufacturer Information

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## MADE IN CHINA

