User Manual ZBBridge-PR2 (EN)



Smart Home Gateway

User Manual V1.0

Introduction

ZBBridge-PR2 is a smart home gateway based on the Zigbee 3.0 protocol. It supports the connection of up to 128 Zigbee sub-devices and features Matter Bridge functionality, allowing connected Zigbee sub-devices to be synchronized to Matter platforms for interoperability with Matter ecosystems such as Apple Home, Google Home, Amazon Alexa, and Samsung SmartThings.

ZBBridge-PR2 also supports smart security and audible alarms to provide timely alerts for abnormal situations and enhance home security. It supports local scene automation, allowing automations to continue running reliably even when the network is unavailable, providing a more reliable and convenient smart home experience.

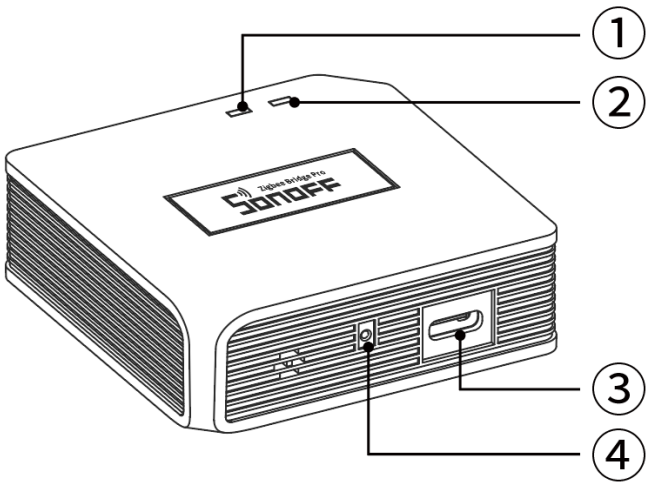
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Zigbee 3.0

Matter Bridge

Smart Security

Local Scenes



① Zigbee Indicator (Green)

- Slow flashing: Pairing Zigbee sub-devices

② Wi-Fi Indicator (Blue)

- Two short flashes followed by one long flash: Pairing mode
- Solid on: Successfully paired with eWeLink

③ Power Port (Type C)

④ Button

- Press and hold for 5 seconds to enter pairing mode
- Press and hold for 10 seconds to delete all sub-devices

Specifications

Zigbee Bridge Pro Gen2	
Product Series	Bridge Series
Product Name	Smart Home Bridge
Model	ZBBridge-PR2
MCU	ESP32-S3 + ESP32-H2
Input	5V ⎓ 1A
Wireless Connection	Zigbee 3.0: IEEE802.15.4 WiFi: IEEE 802.11 b/g/n 2.4GHz
Power Interface Type	Type C

Color	White
Dimensions	62×62×20mm
Net Weight	37.5g
Housing Material	PC
Applicable Place	Indoor
Operating Temperature	-10℃~40℃
Operating Humidity	0~90%RH，non-condensing
FCC ID	2APN5-ZBBRIDGEPR2
Certifications	CE/FCC/RoHS

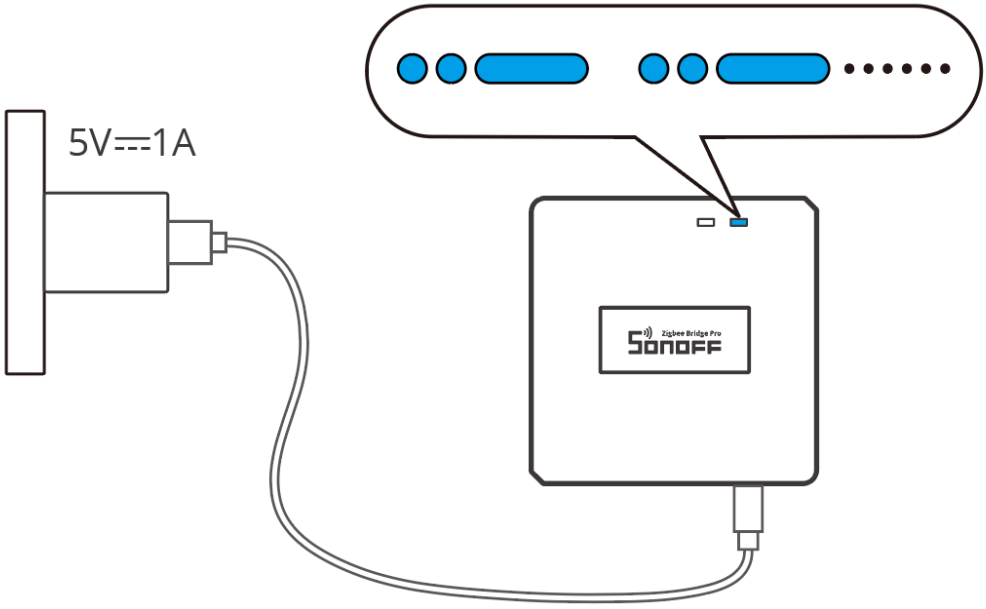
Download the eWeLink App

Go to the **App Store, Google Play Store**, or **Apple App Store** and search for "eWeLink" to download the app.



Power On

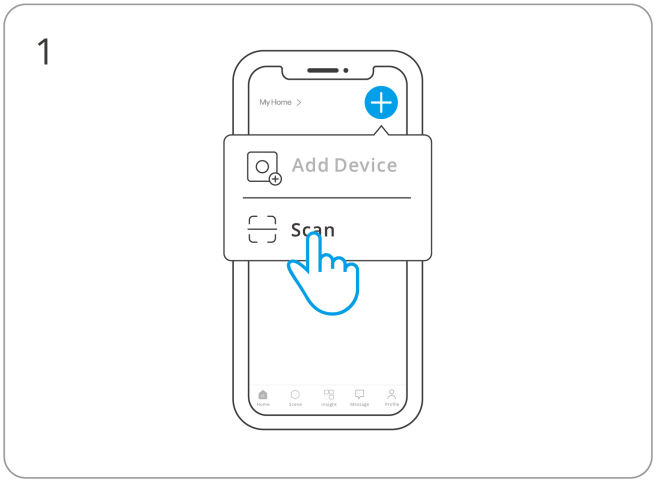
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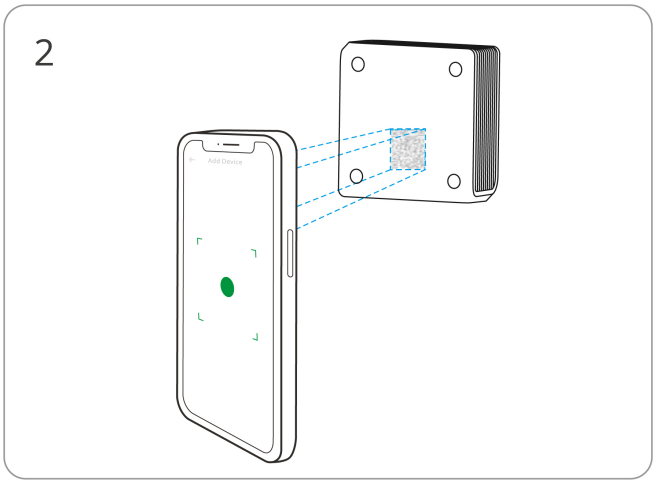
When powered on for the first time, the device automatically enters pairing mode, and the Wi-Fi indicator flashes two short times followed by one long flash.

ⓘ If the device is not added to the network within 10 minutes, it will exit pairing mode. To enter pairing mode again, press and hold the device button for 5 seconds until the Wi-Fi indicator flashes two short times followed by one long flash.

Add Device



Select "Scan"



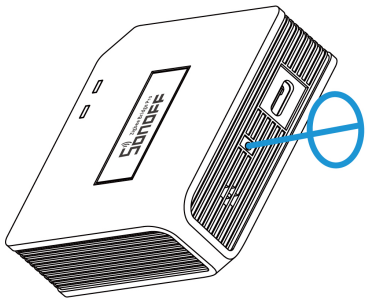
Scan the QR code on the device

3



Select "Add Device"

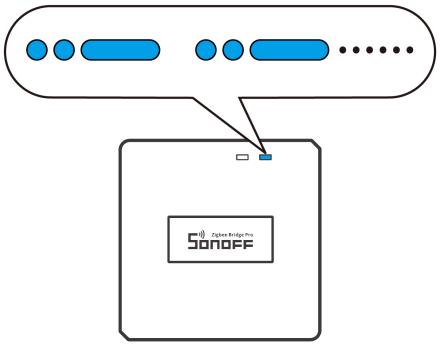
4



(If the device has exited pairing mode)

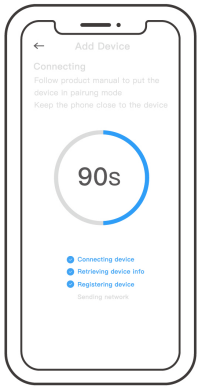
Press and hold the device button for 5 seconds

5



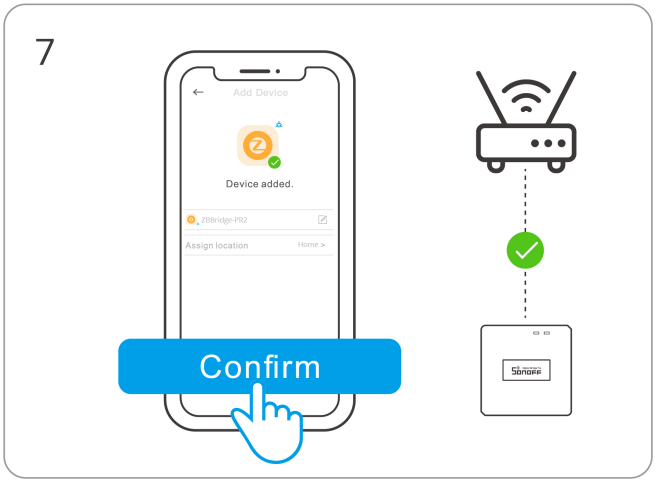
Check the LED indicator status (two short flashes followed by one long flash)

6



Connecting to Device

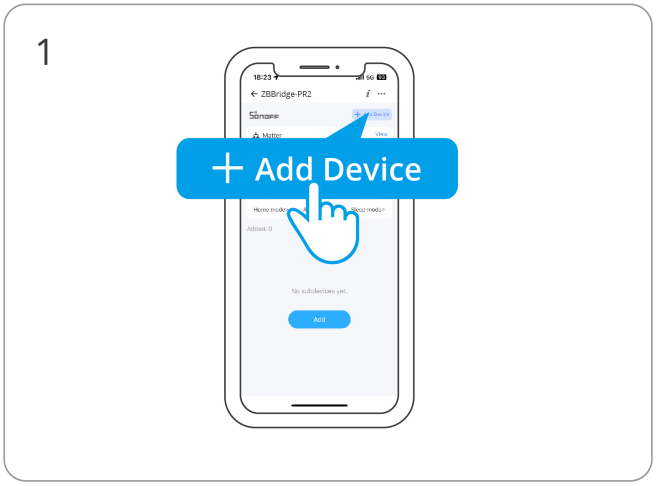
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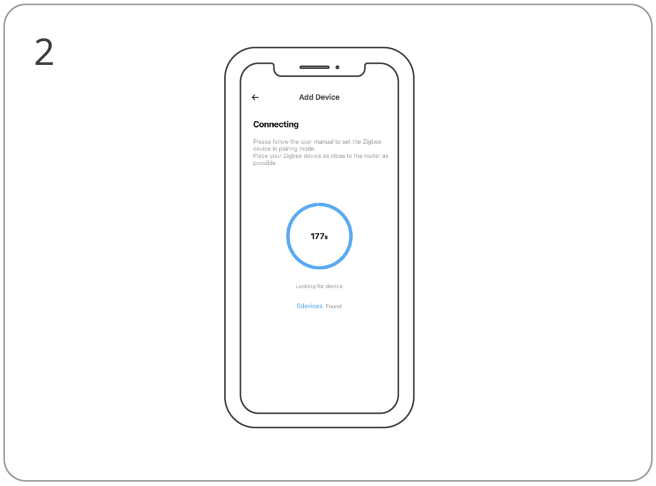


Click to confirm

Add Zigbee Sub-devices

First, put the sub-device into pairing mode, then tap "Add" on the gateway interface and wait for the search to complete and the sub-device to be added.





Matter User Guide



① ② ③

① Open Device Setting – Matter – Matter Setup, then tap Start Setup to enable Matter pairing mode.

② Open a Matter-compatible app and scan the QR code or paste the setup code to add the device.

③ Open Device Setting – Matter – Sync Bridged Devices to manage the sub-devices synchronized to Matter.

Factory Reset

Press and hold the device pairing button for 10 seconds to clear all sub-devices.

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-ZBBRIDGEPR2

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 ZBBridge-PR2 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/pages/compliance/

For CE frequency

EU Operating Frequency Range:

Wi-Fi：802.11 b/g/n20 2412—2472 MHz, 802.11 n40 2422-2462 MHz

BLE: 2402—2480 MHz

Zigbee : 2405—2480 MHz

EU Output Power:

Wi-Fi 2.4G≤20dBm

BLE≤10dBm

Zigbee≤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. This product is not a toy and not intended for use by children. For adult use only.

2. The appliance is suitable for moderate climates only.

3. The ventilation must not be impaired by covering the appliance with items such as newspapers, table cloths, curtains, etc.

4. Naked flame sources, such as candles, must not be placed on the appliance.

5. This product should be powered by a direct current power supply that complies with the EN IEC 62368–1 standard, with an output range of PS2 or LPS.

Scatola	Manuale	Pellicola
PAP 21	PAP 22	LDPE 4
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

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