Manuals+
Q & A | Deep Search | Upload

SONOFF ZBBridge

SONOFF ZBBridge Smart Zigbee Bridge Hub User Manual

Model: ZBBridge

1. Product Overview

The SONOFF ZBBridge is a central component for smart home systems, designed to bridge communication between Wi-Fi and Zigbee devices. It enables users to control various smart devices through a single application, facilitating multi-device management and automation within a smart home environment. This hub supports dual protocols, allowing for broader compatibility and integration of different smart home products.

Image: The SONOFF ZBBridge device shown alongside its product packaging.

Image: The SONOFF ZBBridge acting as a central hub, surrounded by various compatible Zigbee sub-devices such as sensors and switches.

2. Setup Guide

2.1 Package Contents

Upon unboxing, verify the presence of the SONOFF ZBBridge unit. Please note that a Micro USB power cable is not included in the package and must be supplied by the user for operation.

2.2 Physical Installation

1. **Power Connection:** Connect the SONOFF ZBBridge to a power source using a standard Micro USB cable and a compatible power adapter (5V DC, 1A recommended).
2. **Placement:** Position the ZBBridge in a central location within your home to ensure optimal signal coverage for both Wi-Fi and Zigbee devices. Avoid placing it near large metal objects or other sources of interference.

2.3 App Installation and Pairing

1. **Download eWeLink App:** Download and install the eWeLink application on your smartphone or tablet from your device's app store (available for iOS and Android).
2. **Register/Login:** Open the eWeLink app and register a new account or log in with an existing one.
3. **Add Device:** In the eWeLink app, tap the '+' icon to add a new device. Select the SONOFF ZBBridge from the list of available devices.
4. **Bridge Pairing:** Follow the on-screen instructions to connect the ZBBridge to your home Wi-Fi network. Ensure your Wi-Fi network is 2.4GHz, as 5GHz networks are not supported for initial setup.
5. **Zigbee Device Pairing:** Once the ZBBridge is successfully connected, you can begin pairing your Zigbee sub-devices. Put your Zigbee device into pairing mode (refer to the device's specific manual for instructions). In the eWeLink app, select the ZBBridge and initiate the pairing process for Zigbee devices. The ZBBridge supports quick pairing for up to 32 sub-devices.

Image: Visual representation of the ZBBridge's quick pairing capability for up to 32 devices and its stable connectivity range of up to 80 meters in open space.

3. Operating Instructions

3.1 App Control

The eWeLink app serves as the primary interface for controlling devices connected to your ZBBridge. From the app, you can:

- Turn devices on/off remotely.
- Set schedules and timers for automated operation.
- Create smart scenes to trigger multiple devices simultaneously based on conditions (e.g., motion detection, temperature changes).
- Share control of devices with other family members.

Image: A diagram illustrating how the ZBBridge enables interaction between various Wi-Fi and Zigbee devices, all managed through the eWeLink mobile application.

3.2 Voice Control Integration

The ZBBridge is compatible with popular voice assistants, including Amazon Alexa and Google Home. Once integrated, you can use voice commands to control your connected devices.

1. **Link Accounts:** Follow the instructions within the Alexa or Google Home app to link your eWeLink account.

2. **Discover Devices:** After linking, ask your voice assistant to discover new devices.
3. **Voice Commands:** Use commands such as "Alexa, turn on the light" or "Hey Google, what's the temperature?" to control your smart devices.

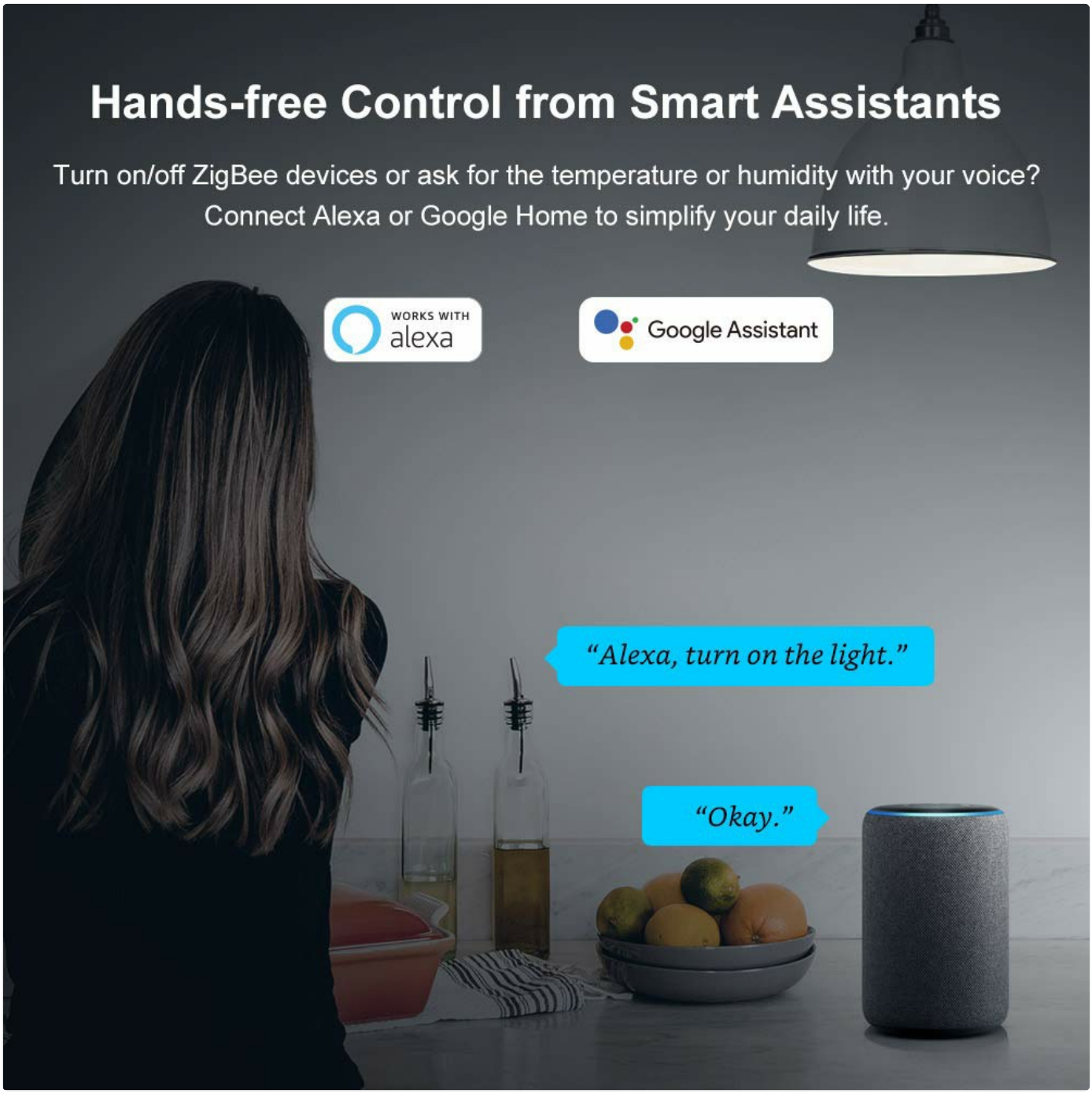


Image: A user interacting with smart assistants, demonstrating hands-free control of smart home devices through voice commands.

3.3 Connectivity and Signal Transmission

The ZBBridge acts as a Zigbee coordinator. For extended range and improved signal quality, especially in larger homes or through walls, Zigbee plug-in sub-devices can function as routers. These devices relay the Zigbee signal, ensuring robust communication between the ZBBridge and battery-powered Zigbee end devices.

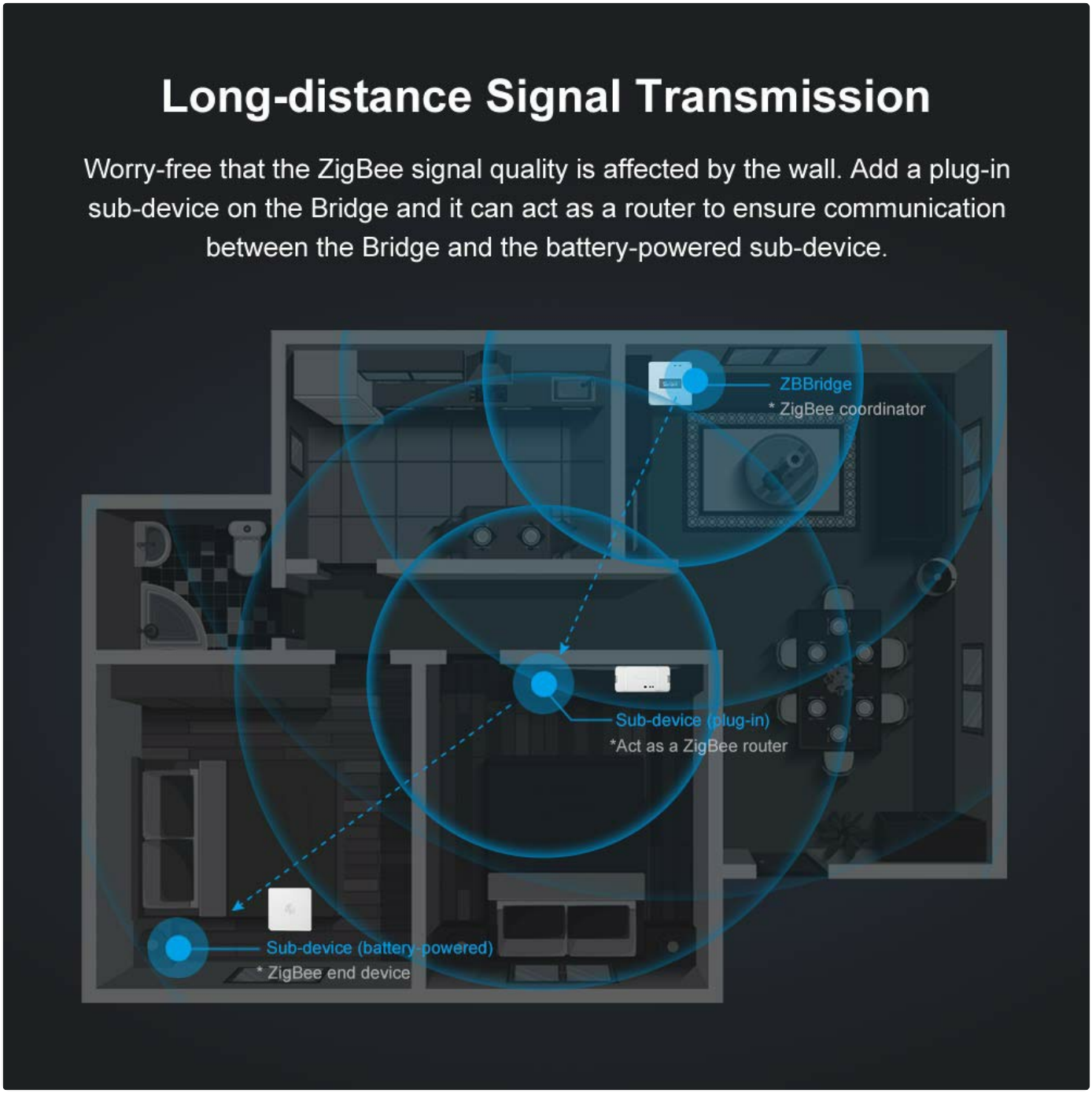


Image: A floor plan diagram showing how the ZBBridge coordinates Zigbee devices, with plug-in sub-devices acting as routers to extend signal range and ensure reliable communication across a home.

4. Maintenance

4.1 Firmware Updates

Periodically check for firmware updates through the eWeLink app. Keeping the ZBBridge's firmware up to date ensures optimal performance, security, and compatibility with new devices and features. Follow the in-app prompts for any available updates.

4.2 Cleaning

To clean the device, gently wipe the exterior with a soft, dry cloth. Do not use liquid cleaners or abrasive materials, as these can damage the device.

5. Troubleshooting

5.1 Pairing Issues

- **Wi-Fi Network:** Ensure your Wi-Fi network is 2.4GHz. The ZBBridge does not support 5GHz Wi-Fi for connection.
- **Signal Strength:** Verify that the ZBBridge is within good range of your Wi-Fi router.
- **Reset Device:** If pairing fails, try resetting the ZBBridge (refer to the device's specific instructions for reset procedure, usually involving a button press).
- **Zigbee Device Pairing:** Ensure Zigbee sub-devices are in pairing mode and are within range of the ZBBridge.

5.2 Connectivity Problems

- **Power Supply:** Check that the ZBBridge is properly powered and the Micro USB cable is securely connected.
- **Router Issues:** Restart your Wi-Fi router.
- **Interference:** Move the ZBBridge away from other electronic devices that might cause interference.

5.3 Device Limits

The ZBBridge supports up to 32 Zigbee sub-devices. If you are experiencing issues adding new devices, check if you have reached this limit.

6. Specifications

Brand	SONOFF
Model	ZBBridge
Product Dimensions	2.44 x 2.44 x 0.79 inches
Item Weight	0.04 Kilograms (1.41 ounces)
Hardware Interface	Ethernet (Note: Primary connection is Wi-Fi, Ethernet is a listed interface but not the main user connection method)
Data Link Protocol	USB (for power)
Compatible Devices	SONOFF Zigbee devices, Wi-Fi cameras, sensors (temperature, humidity, motion, wireless door/window, water), one-gang smart switch, devices certified by ZigBee Alliance.
Manufacturer	SONOFF

7. Warranty and Support

7.1 Warranty Information

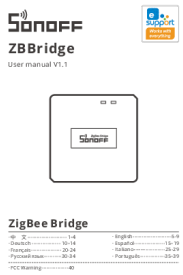
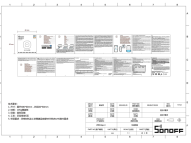
For detailed warranty information regarding your SONOFF ZBBridge, please refer to the official SONOFF website or contact the retailer from whom you purchased the product. Warranty terms and conditions may vary by region and point of purchase.

7.2 Technical Support

Should you encounter any issues or require technical assistance not covered in this manual, please visit the official SONOFF support website or contact their customer service department. Contact details and support resources are typically available on the manufacturer's official website.

© 2023 SONOFF. All rights reserved.

Related Documents - ZBBridge

	SONOFF ZBBridge User Manual V1.1 - Smart Home ZigBee Gateway Official user manual for the SONOFF ZBBridge, a ZigBee 3.0 gateway that transforms Wi-Fi into ZigBee for controlling smart home devices. Learn about setup, pairing, specifications, and troubleshooting.
	Sonoff ZBBridge-U Quick Start Guide and Specifications Learn how to set up and use the Sonoff ZBBridge-U smart home hub. This guide provides setup instructions, features, and technical specifications for seamless integration of Zigbee devices.
	Sonoff ZBBridge-U User Manual: Zigbee 3.0 Gateway and Matter Bridge Comprehensive user manual for the Sonoff ZBBridge-U, a Zigbee 3.0 gateway. Learn about its features, specifications, setup process, adding Zigbee sub-devices, Matter integration, and compliance information.
	SONOFF ZB Bridge-P User Manual: Setup, Features, and Troubleshooting Comprehensive user manual for the SONOFF ZB Bridge-P, a Zigbee smart home gateway. Covers product introduction, setup, features, specifications, troubleshooting, and regulatory information. Learn how to connect Zigbee devices to your Wi-Fi network.
	Sonoff ZBBridge-U Zigbee and Matter Gateway User Manual Comprehensive user manual for the Sonoff ZBBridge-U, a Zigbee 3.0 and Matter compatible gateway that enables smart home automation, voice control, and scene linkage. Learn about its specifications, setup, device pairing, and Matter synchronization.
	SONOFF Zigbee Bridge Ultra User Manual - Smart Home Gateway Comprehensive user manual for the SONOFF Zigbee Bridge Ultra (ZBBridge-U), a Zigbee 3.0 gateway with Matter bridge capabilities. Learn about setup, features, specifications, and compliance.