SONOFF SNZB-06P-New

SONOFF SNZB-06P Zigbee Human Presence Sensor User Manual

Model: SNZB-06P-New | Brand: SONOFF

1. Introduction

The SONOFF SNZB-06P is an advanced Zigbee Human Presence Sensor designed to detect both movement and stationary human presence using 5.8GHz microwave radar technology. This sensor integrates seamlessly into your smart home ecosystem, offering features like intelligent lighting control based on presence and ambient light, and compatibility with various Zigbee hubs and platforms.



Image: SONOFF SNZB-06P sensor and its retail packaging.

This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your SNZB-06P sensor to ensure optimal performance and integration with your smart home system.

2. Setup and Installation

2.1 What's in the Box

- Human presence sensor (SNZB-06P) x 1
- Magnetic base x 1
- 2M Type-C power cable x 1
- 3M adhesive tape x 1
- Screw x 2
- Cable clip x 3
- Quick guide x 1

2.2 Requirements

The SNZB-06P Zigbee Smart Motion Detector requires a Zigbee Hub for operation. Compatible hubs include:

- SONOFF NSPanel Pro
- SONOFF iHost
- SONOFF ZB Bridge Pro
- SONOFF ZBDongle-E

- Echo Plus 2nd Gen
- Other Zigbee 3.0 protocol compatible hubs

2.3 Installation Steps

1. **Power On:** Connect the SNZB-06P to a 5V DC power source using the provided Type-C cable. The device will power on automatically.
2. **Pairing Mode:** The device will automatically enter pairing mode when first powered on. If not, press and hold the button on the device for 5 seconds until the indicator light flashes.
3. **Add to Zigbee Hub:** Open your Zigbee hub's application (e.g., eWeLink App for SONOFF hubs, SmartThings, Home Assistant). Follow the app's instructions to add a new Zigbee device. The sensor should be discovered and paired.
4. **Mounting:** Choose a suitable location for the sensor. The magnetic base allows for flexible positioning on metallic surfaces. For non-metallic surfaces, use the provided 3M adhesive tape or screws for secure mounting. Consider placing it on a ceiling or wall for optimal coverage.



Image: The SNZB-06P sensor mounted on a wall, illustrating its compact design and power cable connection.

Important Note: Avoid placing the sensor near large metal objects or strong Wi-Fi signals (especially 5GHz) that might interfere with its 5.8GHz microwave radar. Optimal placement ensures accurate detection.

3. Operation and Features

3.1 Presence Detection

The SNZB-06P utilizes 5.8GHz microwave radar to detect both movement and stationary human presence. This allows for more accurate occupancy detection compared to traditional motion sensors that only detect movement.

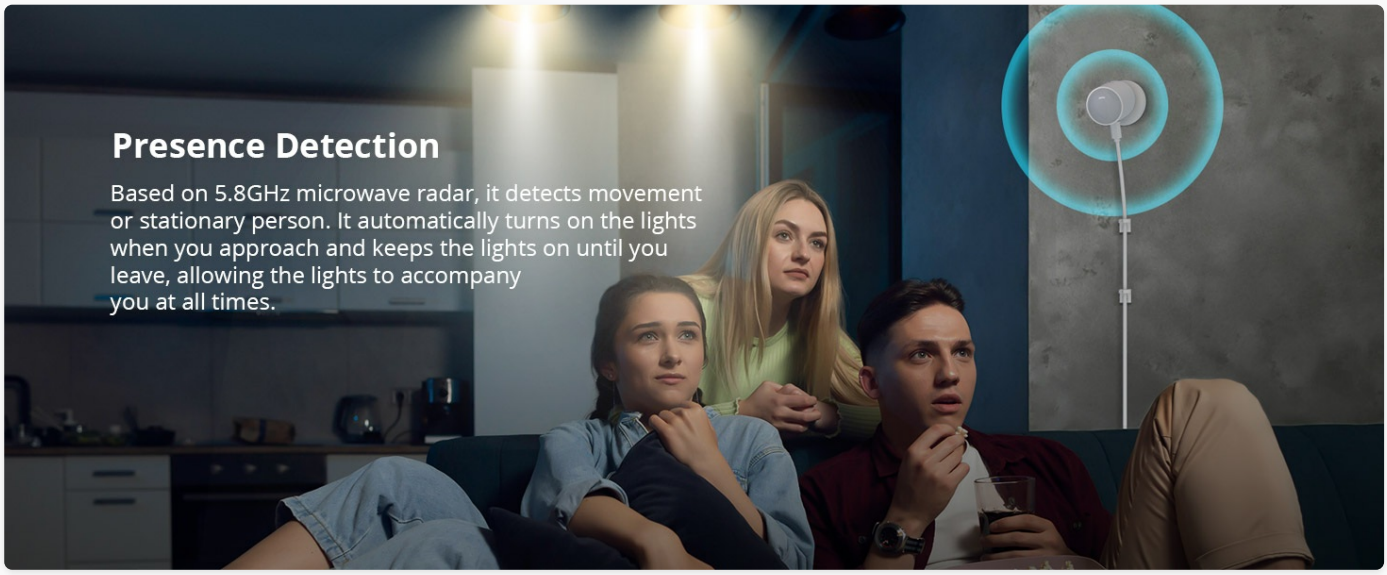


Image: The sensor detecting human presence in a living room, enabling automated lighting.

The sensor can automatically turn on lights when you enter a room and keep them on as long as presence is detected, turning them off when the room is empty.

3.2 Light Sensing

Equipped with a built-in light detector, the SNZB-06P can differentiate between day and night. This feature ensures that lights are only activated when presence is detected in dark conditions, contributing to energy savings.

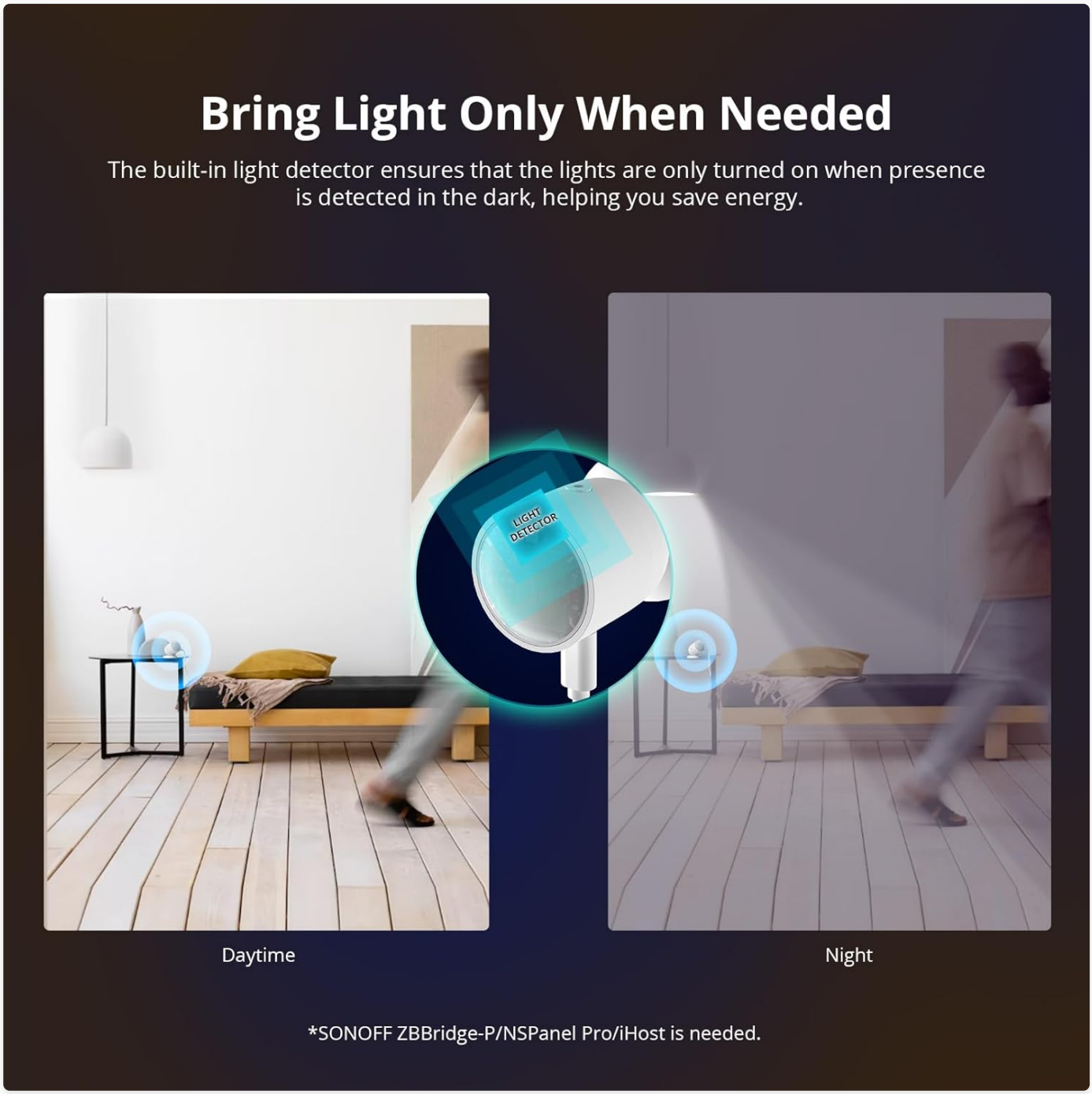


Image: Visual representation of the sensor's light sensing capability, showing how it operates differently in daytime versus nighttime to conserve energy.

3.3 Customizable Detection Duration and Sensitivity

Through the connected Zigbee hub's application, you can adjust the detection duration (how long the sensor reports presence after detection) and sensitivity levels (low, medium, high) to suit your specific needs and environment.

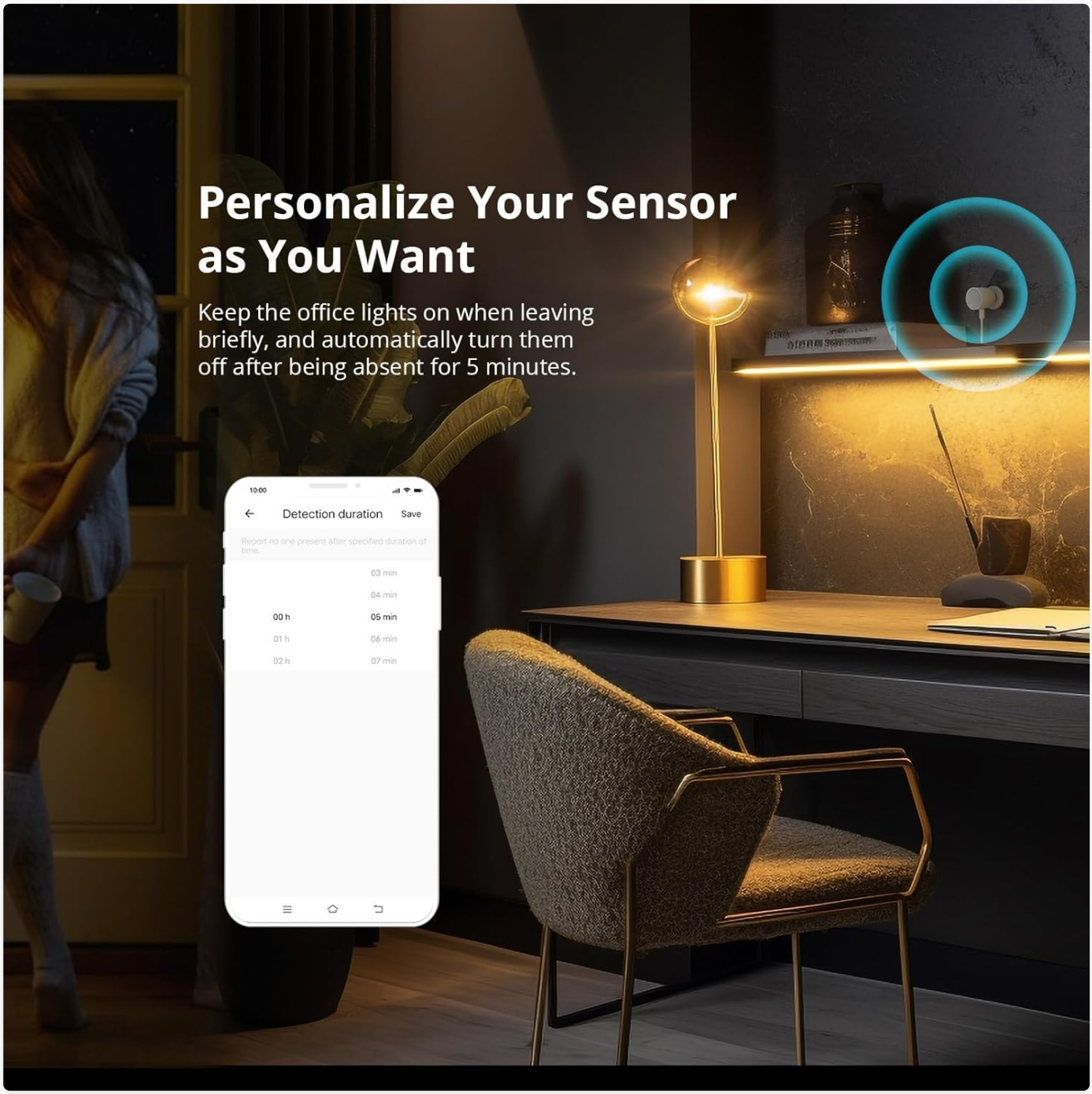


Image: A smartphone displaying the eWeLink app interface for customizing detection duration settings for the SNZB-06P sensor.

3.4 Local Smart Scene Linkage

The SNZB-06P supports local smart scene linkage with other Zigbee devices. This means that automated actions (e.g., turning on lights, opening curtains) can still be executed even if your internet connection is temporarily unavailable, ensuring reliable home automation.

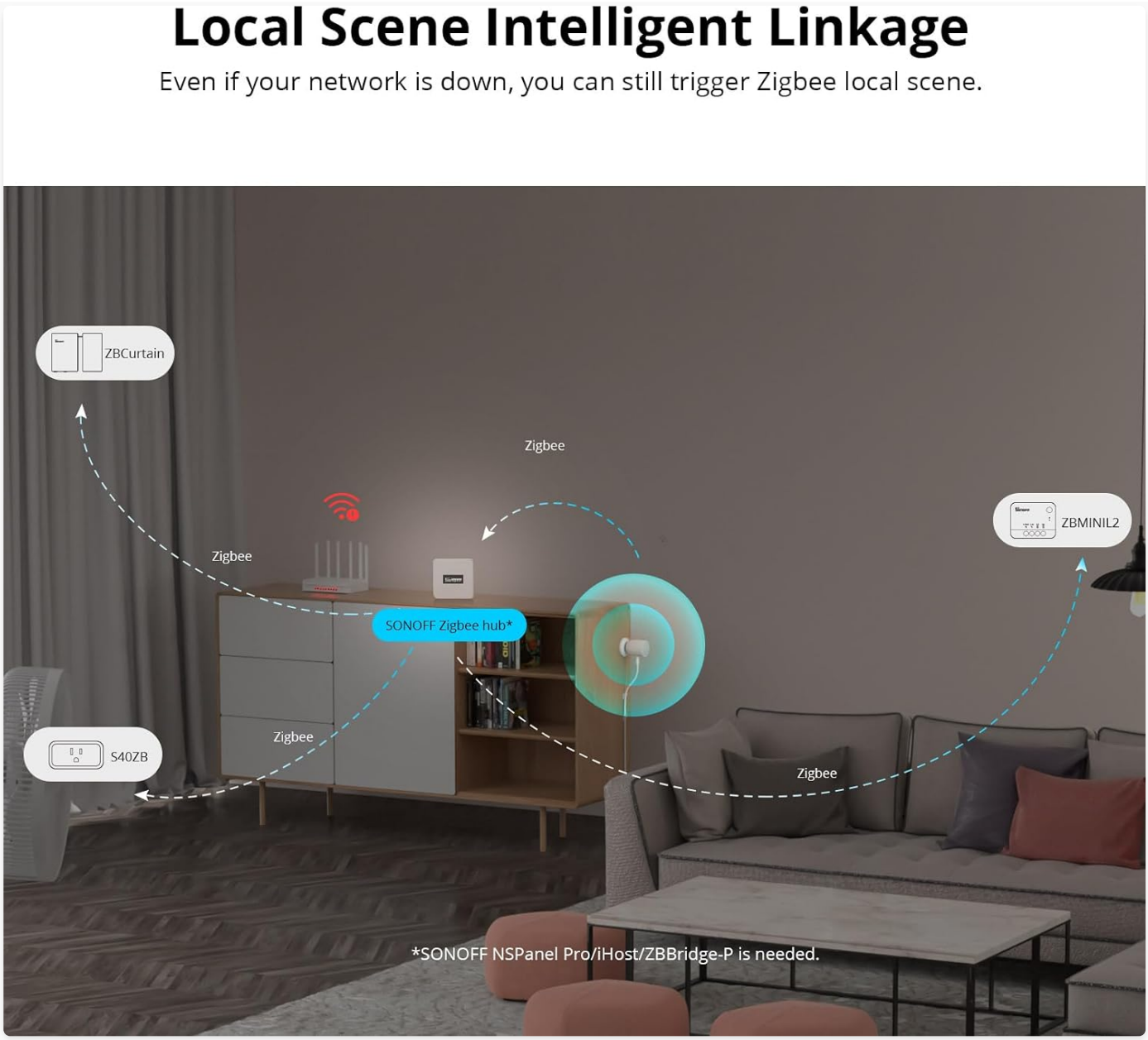


Image: A diagram illustrating how the SNZB-06P sensor can trigger local smart scenes with other Zigbee devices via a central Zigbee hub, even without an internet connection.

3.5 Multi-Platform Support

The sensor is compatible with various smart home platforms, expanding its integration possibilities:

- Amazon Alexa
- Google Home
- SmartThings
- IFTTT
- Home Assistant (via ZHA or Zigbee2MQTT)

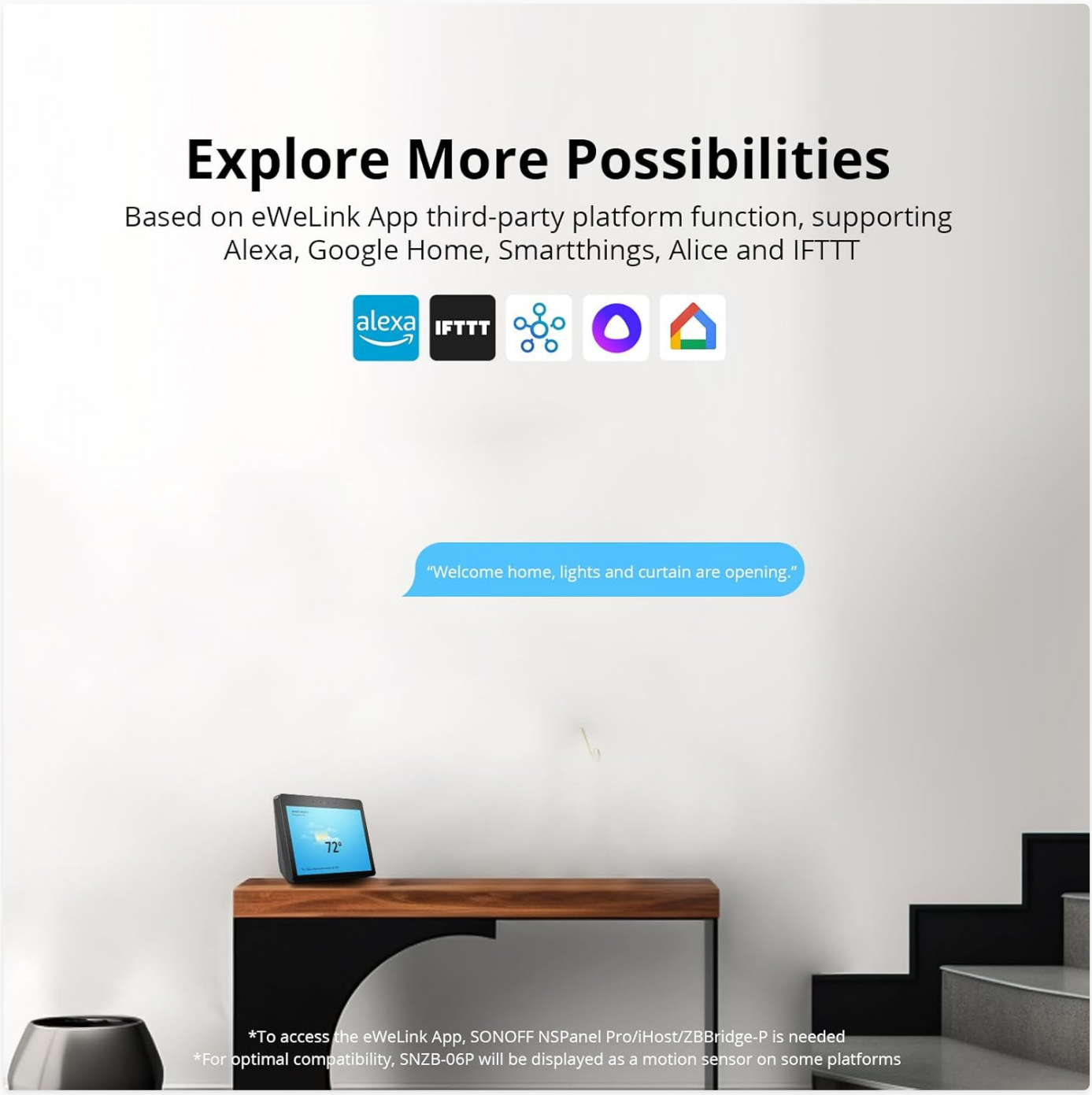


Image: Logos representing the various smart home platforms the SNZB-06P supports, including Alexa, IFTTT, SmartThings, and Home Assistant.

4. Maintenance

- **Cleaning:** Use a soft, dry cloth to gently wipe the sensor's surface. Do not use liquid cleaners or abrasive materials, as they may damage the device.
- **Firmware Updates:** Periodically check your Zigbee hub's application for available firmware updates for the SNZB-06P. Keeping the firmware updated ensures optimal performance and access to new features or bug fixes.
- **Environmental Conditions:** Ensure the sensor is kept within its specified operating temperature range (-10°C to 60°C) and humidity (0-90% RH, non-condensing) to prevent damage and ensure accurate readings.

5. Troubleshooting

Problem	Possible Cause	Solution
Sensor constantly detects presence / doesn't reset to 'no presence'.	Interference from 5GHz Wi-Fi networks or other electronic devices; incorrect sensitivity setting; magnetic base interference.	Relocate the sensor away from strong Wi-Fi routers or other interfering electronics. Adjust sensitivity settings in the app to a lower level. If using the magnetic base, try removing it and mounting the sensor with adhesive or screws to see if it resolves the issue.
Sensor not pairing with Zigbee hub.	Sensor not in pairing mode; too far from hub; hub not in pairing mode.	Ensure the sensor is powered on and its indicator light is flashing (press and hold button for 5s to enter pairing mode). Move the sensor closer to the Zigbee hub. Verify your Zigbee hub is in device discovery/pairing mode.
Frequent connection drops.	Weak Zigbee signal; too many devices on the network; interference.	Ensure the sensor is within range of your Zigbee hub or a strong Zigbee router. Consider adding more Zigbee router devices to strengthen your mesh network. Check for sources of interference.
Light sensor not functioning as expected.	Incorrect automation setup; sensor placement.	Review your smart scene or automation rules in the app to ensure they are correctly configured for light sensing. Ensure the sensor's light sensor is not obstructed.



Image: A visual comparison highlighting the key difference between the SNZB-06P (detects stationary presence) and a traditional motion sensor (only detects motion).

6. Specifications

Brand	SONOFF
Model Number	SNZB-06P-New
Color	White
Power Source	5V DC (USB Type-C)
Wattage	5 watts

Item Weight	36 Grams (1.27 ounces)
Maximum Range	13 Feet
Mounting Type	Ceiling Mount (also suitable for wall/surface mount)
Compatible Devices	SONOFF NSPanel Pro, SONOFF ZBDongle-P, SONOFF iHost, SONOFF ZBDongle-E, SONOFF ZBBridge Pro, Echo Plus 2nd Gen, other Zigbee 3.0 hubs
Frequency	5.8 GHz (Microwave Radar)
Product Dimensions	1.7"D x 2.3"W x 1.7"H (44.2 x 59 x 44.2 mm)
Operating Temperature	-10°C to 60°C (14°F to 140°F)
Operating Humidity	0-90% RH (non-condensing)
Wireless Connection	Zigbee 3.0
Communication Distance	Up to 30 meters (98 feet)

7. Warranty and Support

For warranty information and technical support, please refer to the official SONOFF website or contact their customer service directly. Keep your purchase receipt for warranty claims.

- **Manufacturer:** Shenzhen Sonoff Technologies Co., Ltd.
- **Website:** sonoff.tech
- **Service Email:** support@itead.cc

8. Compliance Information

This device complies with relevant safety and environmental standards. Look for markings such as CE FC on the product packaging for compliance details.



Image: The product packaging displaying compliance markings such as CE and FCC, indicating adherence to international standards.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question