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› SONOFF SNZB-06P Zigbee Human Presence Sensor User Manual

SONOFF SNZB-06P 2Pack

SONOFF SNZB-06P Zigbee Human Presence Sensor User Manual

Model: SNZB-06P

PRODUCT OVERVIEW

The SONOFF SNZB-06P is a Zigbee Human Presence Sensor designed to detect both movement and stationary human presence using 5.8GHz microwave radar technology. This sensor integrates light sensing capabilities, allowing for intelligent automation based on ambient light conditions. It is compatible with various Zigbee 3.0 hubs and platforms, enabling seamless integration into smart home ecosystems.



Image: Two SONOFF SNZB-06P sensors, each accompanied by its retail packaging, showcasing the compact design and branding.

SONOFF Zigbee Human Presence Sensor | SNZB-06P

Seamlessly Light up Your Space with Intelligent Radar



*Zigbee hub is needed (e.g. ZBBridge-P, NSPanel Pro, iHost)

Image: The SNZB-06P sensor mounted on a wall, illustrating its discreet profile and how it can seamlessly blend into a room's decor. The image highlights its intelligent radar capabilities.

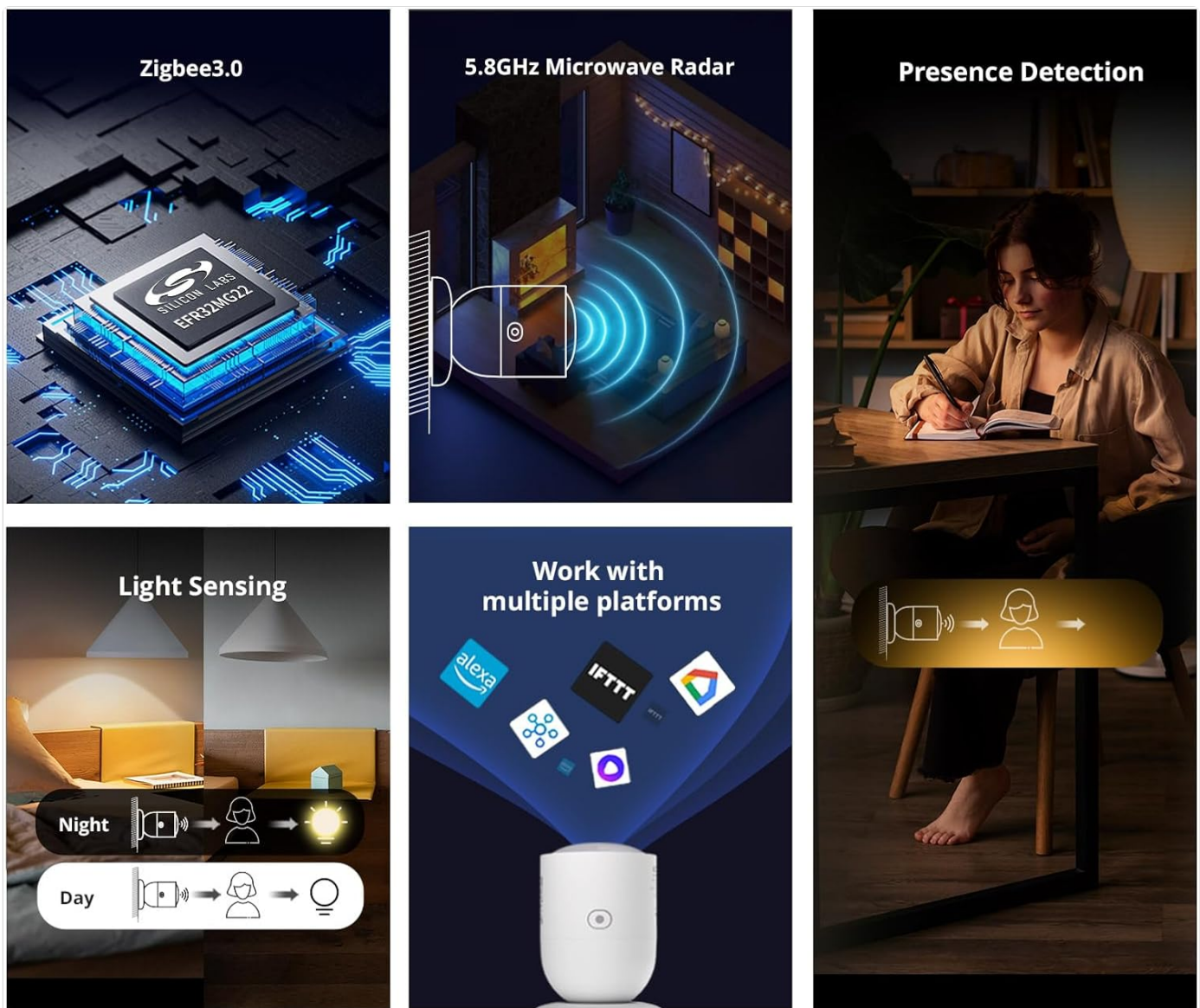


Image: A collage detailing the core functionalities of the SNZB-06P, including its Zigbee 3.0 compatibility, 5.8GHz microwave radar for presence detection, integrated light sensing, and support for various smart home platforms like Alexa and IFTTT.

SETUP AND INSTALLATION

The SNZB-06P sensor requires a Zigbee hub for operation. Compatible hubs include SONOFF NSPanel Pro, SONOFF iHost, SONOFF ZB Bridge Pro, SONOFF ZBDongle-E, and Echo Plus 2nd generation. Please note that a USB power adapter is required for operation and is not included with the sensor.

Powering the Device

- Connect the SNZB-06P sensor to a standard USB power adapter (not supplied) using a compatible USB cable.
- Ensure the power adapter provides stable power for optimal performance.

Pairing with a Zigbee Hub

1. Ensure your Zigbee hub is powered on and in pairing mode. Refer to your specific Zigbee hub's manual for instructions on enabling pairing mode.
2. Power on the SNZB-06P sensor. It should automatically enter pairing mode. If not, consult the device's quick start guide for manual pairing instructions (e.g., pressing a reset button).
3. Once successfully paired, the sensor will appear in your Zigbee hub's connected devices list.

Physical Placement

The SNZB-06P is designed for wall mounting. Consider the following for optimal performance:

- **Detection Range:** The sensor has a maximum range of 15 meters. Position it to cover the desired area effectively.
- **Interference:** Avoid placing the sensor near sources of constant movement or electronic devices that might cause false detections, such as fans, clocks, or other appliances.
- **Multi-room Setup:** If using multiple sensors in adjacent rooms, ensure proper placement to prevent interference between them. Refer to advanced placement guidelines for specific scenarios.

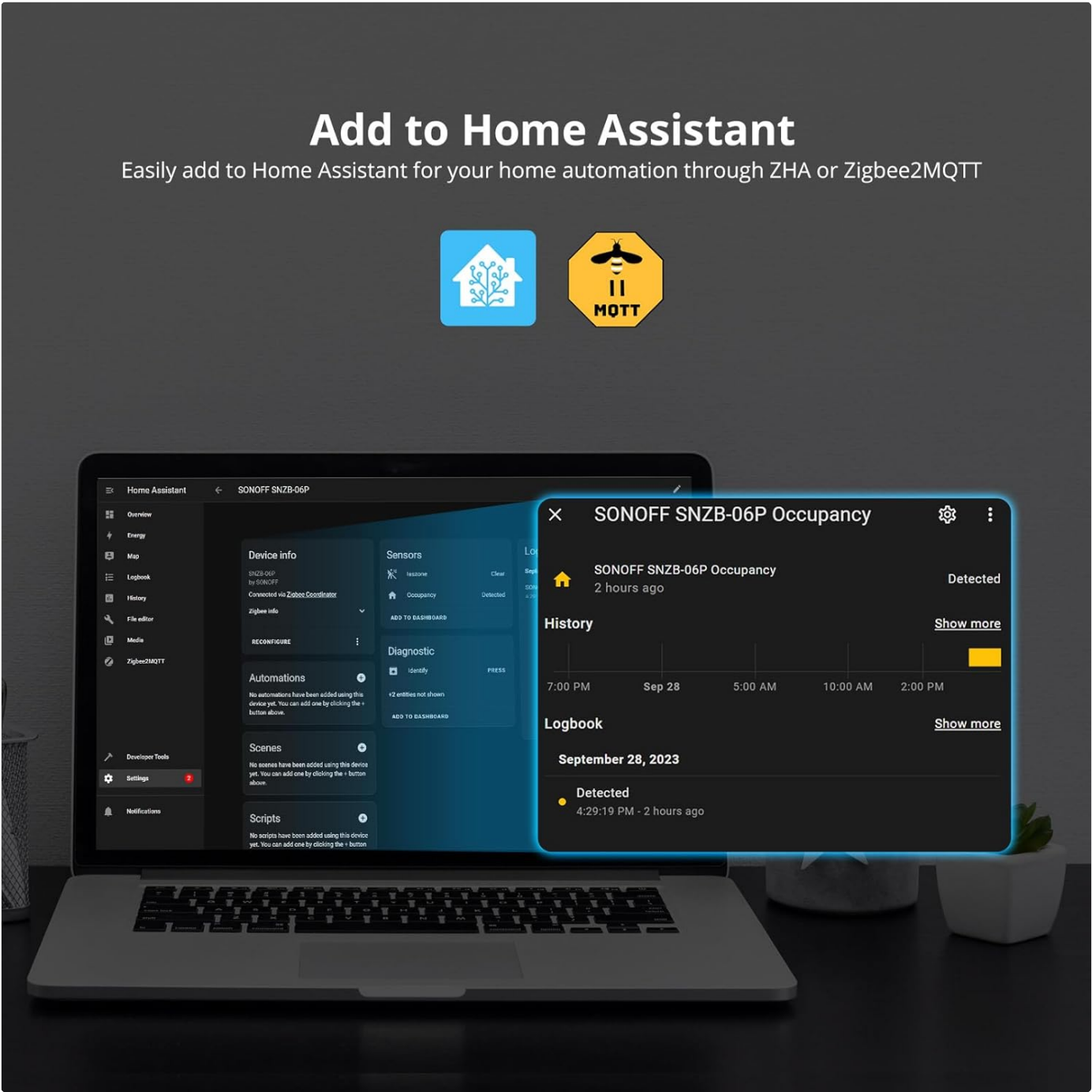


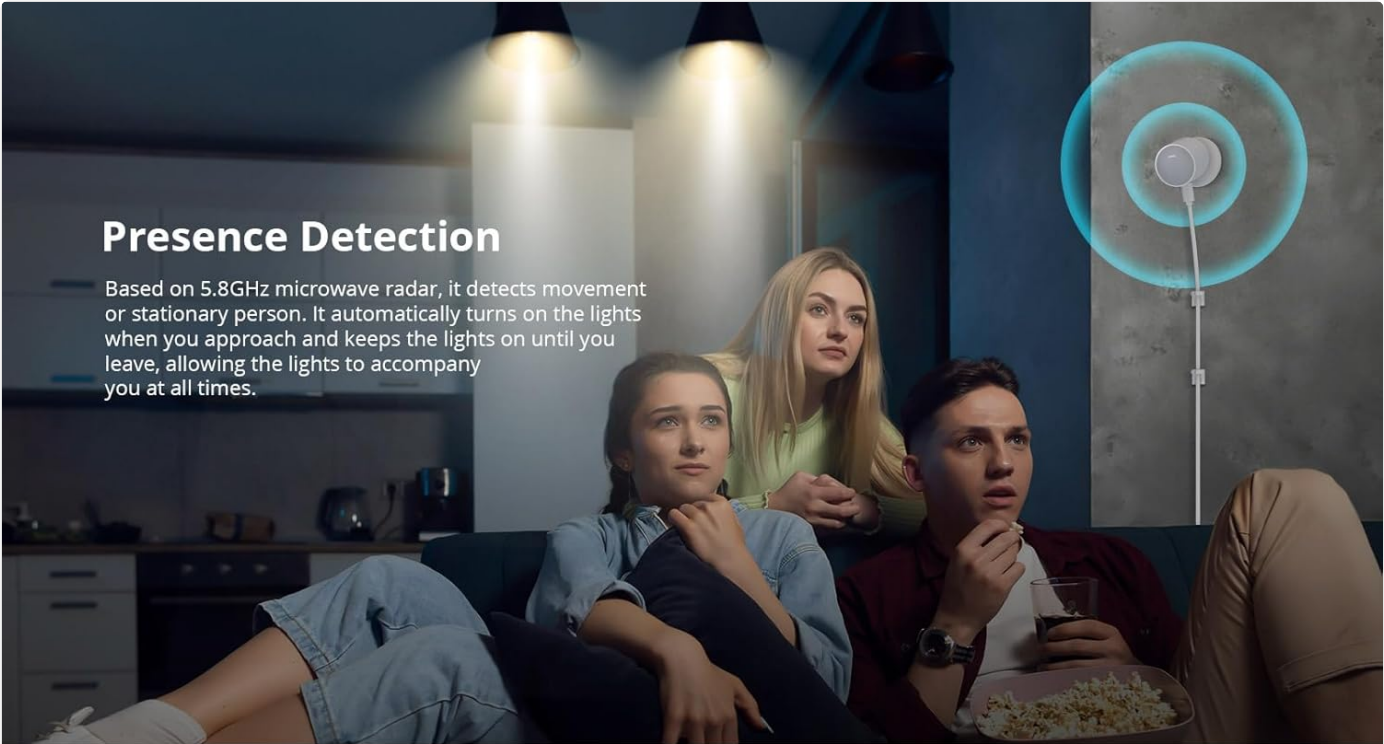
Image: A screenshot demonstrating the integration of the SNZB-06P sensor with Home Assistant, displaying its occupancy detection history and device information. This illustrates how the sensor's data can be viewed and managed within a smart home automation platform.

OPERATING INSTRUCTIONS

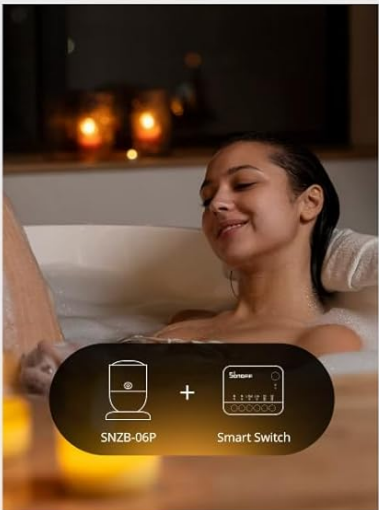
Presence Detection

The SNZB-06P utilizes 5.8GHz microwave radar to detect both movement and stationary human presence. This allows for advanced automation scenarios where lights or other devices can be triggered upon entry and remain active as long as

presence is detected, turning off only after the area is vacated.



Keep the lights on while you enjoy reading



Keep the bathroom lights on while you enjoy a bath.



Keep the light strips on while you enjoy the TV show.

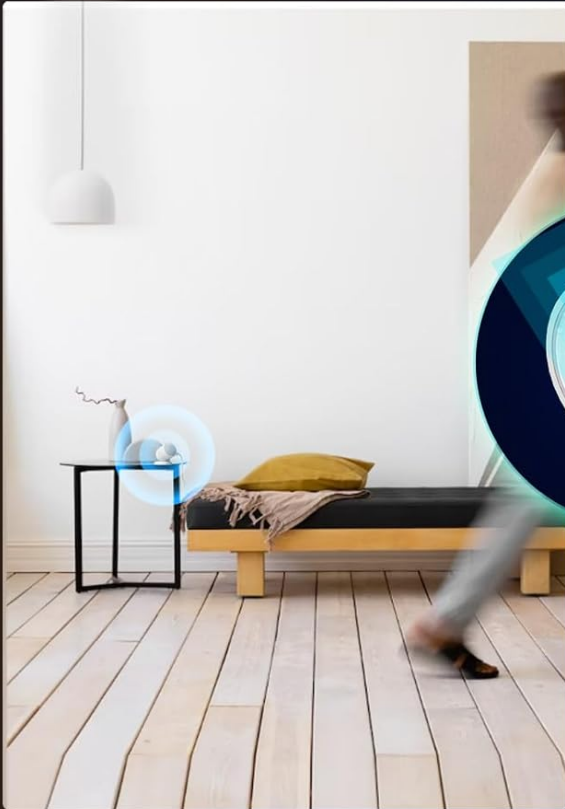
Image: An illustration of the SNZB-06P in a living room setting, demonstrating its ability to detect human presence and integrate with smart lighting (e.g., smart LED bulbs, smart switches, smart light strips) to maintain illumination while occupants are present.

Light Sensing

Equipped with a built-in light detector, the sensor can differentiate between light and dark conditions. This feature enables energy-saving automations, ensuring that lights are only activated when presence is detected in low-light environments, preventing unnecessary illumination during daylight hours.

Bring Light Only When Needed

The built-in light detector ensures that the lights are only turned on when presence is detected in the dark, helping you save energy.



Daytime



Night

*SONOFF ZBBridge-P/NSPanel Pro/iHost is needed.

Image: A visual comparison illustrating the light sensing functionality of the SNZB-06P. It shows that during the daytime, lights remain off even with presence, while at night, lights are activated only when presence is detected, promoting energy efficiency.

Local Smart Scene Linkage

The SNZB-06P supports local smart scene linkage with other Zigbee devices. This means that automated actions can be executed even without an internet connection, ensuring reliability and responsiveness for critical smart home routines.

Local Scene Intelligent Linkage

Even if your network is down, you can still trigger Zigbee local scene.

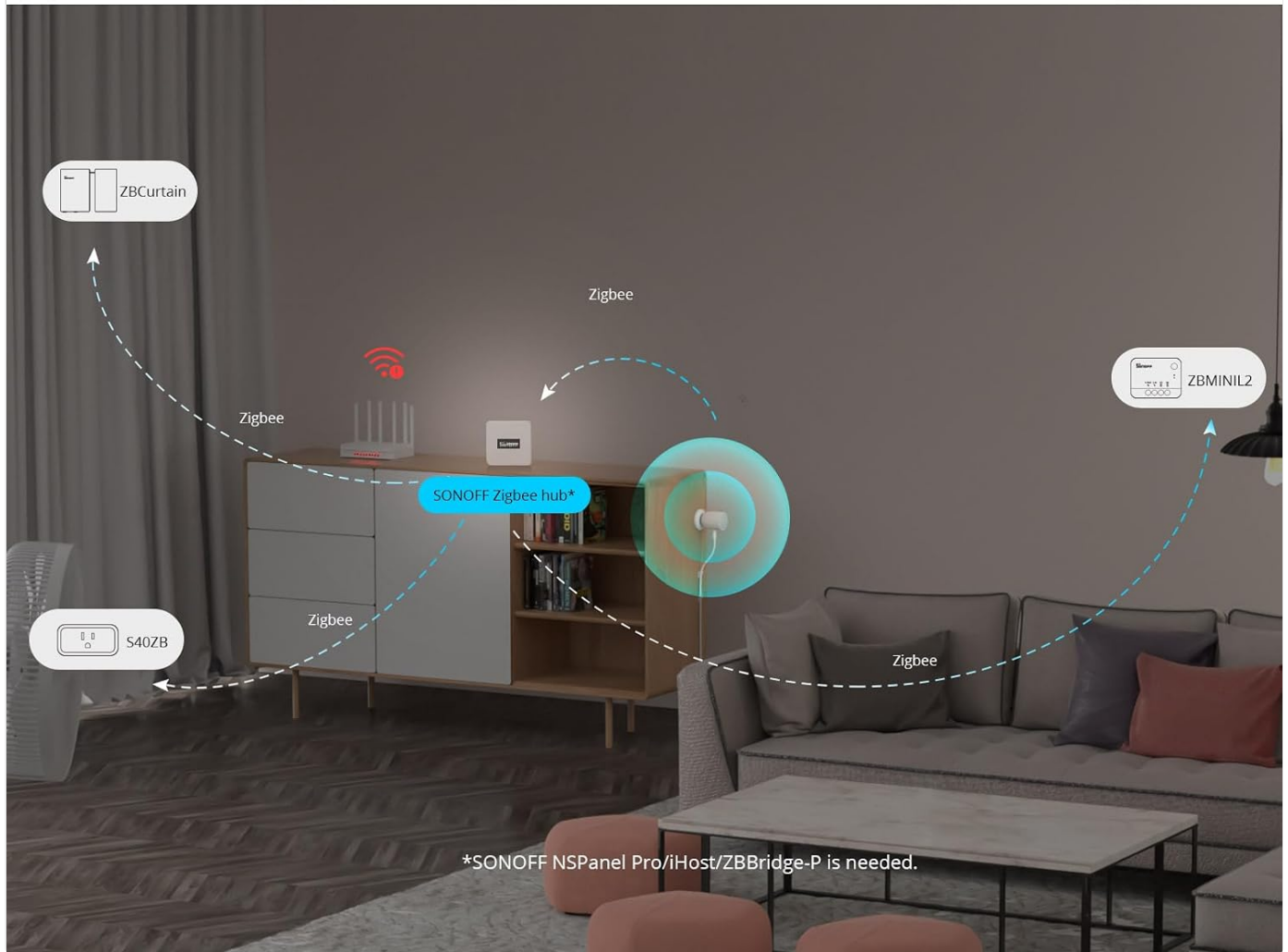


Image: A diagram depicting how the SNZB-06P sensor, connected to a SONOFF Zigbee hub, can trigger local smart scenes involving other Zigbee devices like smart plugs (S40ZB), smart curtains (ZBCurtain), and smart lights (ZBMINIL2), even without an internet connection.

Platform Compatibility

The sensor is compatible with multiple smart home platforms, including Alexa, Google Home, Smarthings, Alice, IFTTT, and Home Assistant, through the eWeLink App third-party platform function. This broad compatibility allows for flexible integration into existing smart home setups.

Explore More Possibilities

Based on eWeLink App third-party platform function, supporting
Alexa, Google Home, Smartthings, Alice and IFTTT



"Welcome home, lights and curtain are opening."



*To access the eWeLink App, SONOFF NSPanel Pro/iHost/ZBBridge-P is needed
*For optimal compatibility, SNZB-06P will be displayed as a motion sensor on some platforms

Image: Logos representing various smart home platforms (Alexa, IFTTT, Smartthings, Home Assistant) that the SNZB-06P sensor supports, highlighting its versatility and integration capabilities within diverse smart home ecosystems.

Customizing Detection Settings

Through the connected Zigbee hub's application (e.g., eWeLink App or Home Assistant), you can often adjust parameters such as detection duration and sensitivity. This allows for fine-tuning the sensor's behavior to suit specific room conditions and automation needs.

Personalize Your Sensor as You Want

Keep the office lights on when leaving briefly, and automatically turn them off after being absent for 5 minutes.

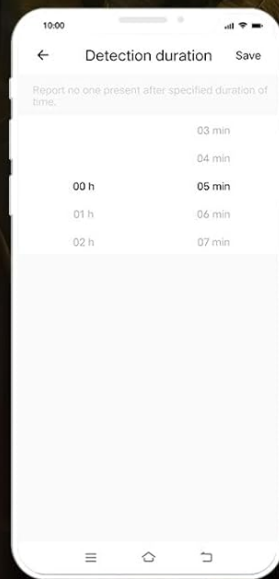


Image: A smartphone screen displaying the sensor's configuration interface within an app, allowing users to personalize settings such as detection duration. This feature enables tailored automation, for example, keeping office lights on briefly after leaving and turning them off after a set period of absence.

MAINTENANCE

To ensure the longevity and optimal performance of your SONOFF SNZB-06P sensor, follow these simple maintenance guidelines:

- **Cleaning:** Gently wipe the sensor's exterior with a soft, dry cloth. Avoid using abrasive cleaners, solvents, or excessive moisture, as these can damage the device.
- **Environment:** Keep the sensor in a dry environment, away from direct sunlight, extreme temperatures (upper temperature rating 60°C), and high humidity. It is designed for indoor use only.
- **Firmware Updates:** Periodically check for and apply firmware updates through your Zigbee hub's application. Firmware updates can improve performance, add new features, and resolve known issues.

TROUBLESHOOTING

If you encounter issues with your SNZB-06P sensor, refer to the following common troubleshooting tips:

Problem	Possible Cause / Solution
Sensor constantly detects presence or triggers false positives.	• High Sensitivity: The sensor's sensitivity might be too high for the environment. Adjust the sensitivity settings in your Zigbee hub's application to a lower level. • Interference: Electronic devices (e.g., fans, clocks, refrigerators) or objects that move slightly (e.g., curtains in a draft) can cause false detections. Reposition the sensor away from such sources. • Through-wall Detection: The 5.8GHz radar can detect through thin walls. Ensure the sensor is not positioned where it might detect activity in adjacent rooms.
Slow detection response time.	• Network Congestion: A busy Zigbee network can sometimes delay communication. Ensure your Zigbee hub is not overloaded with too many devices. • Firmware: Ensure the sensor has the latest firmware installed. Updates often include performance improvements. • Hub Performance: The performance of your Zigbee hub can affect response times. Consider the capabilities of your hub.
Light level sensor is inaccurate or unresponsive.	• Obstruction: Ensure the light sensor (usually a small opening on the device) is not obstructed by dust or physical objects. • Calibration: Some applications may allow for light sensor calibration. Check your hub's app settings. • Polling Interval: The sensor might report light levels at specific intervals. This is normal behavior and not a real-time measurement.
Sensor does not power on.	• Power Adapter: Verify that the USB power adapter is functioning correctly and provides sufficient power. • USB Cable: Try a different USB cable to rule out a faulty cable. • Power Outlet: Ensure the power outlet is active.
Cannot pair sensor with Zigbee hub.	• Hub Pairing Mode: Confirm your Zigbee hub is in active pairing mode. • Sensor Reset: Perform a factory reset on the sensor (refer to the quick start guide for your specific model) and attempt pairing again. • Distance: Ensure the sensor is within close proximity to the Zigbee hub during the initial pairing process.

SPECIFICATIONS

Feature	Detail
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Feature	Detail
Brand	SONOFF
Model Number	SNZB-06P (2 Pack)
Color	Dim Gray
Power Source	Powered (USB power adapter not included)
Maximum Range	15 Meters
Mounting Type	Wall Mount
Frequency	5.8 GHz (Microwave Radar)
Recommended Use	Indoor
Upper Temperature Rating	60 Degrees Celsius
Item Weight	7.4 ounces
Product Dimensions	3.67 x 3.15 x 1.5 inches
Compatible Devices	SONOFF NSPanel Pro, SONOFF iHost, SONOFF ZB Bridge Pro, SONOFF ZBDongle-E, Echo Plus 2nd generation, Alexa, Google Home, Smarththings, Alice, IFTTT, Home Assistant

WARRANTY AND SUPPORT

For specific warranty information, please refer to the documentation included with your purchase or visit the official SONOFF website. General support resources are available through the following links:

- [User Guide \(PDF\)](#)
- [User Manual \(PDF\)](#)
- [Visit the SONOFF Store on Amazon](#)

For further assistance, please contact SONOFF customer support through their official channels.

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