Smilewolf SNZB-06P

Smilewolf SNZB-06P Zigbee Human Presence Sensor Instruction Manual

INTRODUCTION

The Smilewolf SNZB-06P is a Zigbee human presence sensor designed for smart home automation. Utilizing 5.8GHz microwave radar technology, it accurately detects the presence of individuals, whether moving or stationary, by sensing even the slightest movements like breathing or a heartbeat. This sensor integrates a built-in light detector to optimize energy usage by activating lights only when presence is detected in dark environments. It is compatible with various Zigbee hubs and smart home platforms, offering flexible integration into your existing smart home ecosystem.

KEY FEATURES

- **Presence Detection:** Detects both movement and stationary human presence using 5.8GHz microwave radar.

- **Light Sensing:** Built-in light detector ensures lights activate only when presence is detected in low-light conditions, promoting energy efficiency.

- **Zigbee 3.0 Compatibility:** Supports various Zigbee hubs including SONOFF NSPanel Pro, iHost, ZB Bridge Pro, ZBDongle-E, and Echo Plus 2nd Gen.

- **Local Smart Scene:** Enables scene linkage between Zigbee devices to function even without an internet connection.

- **Multi-Platform Support:** Compatible with Alexa, Google Home, Smartthings, Alice, IFTTT, and Home Assistant.

- **Adjustable Sensitivity:** Features three levels of sensitivity with a detection range of up to 4 meters (13 feet).

- **Flexible Installation:** Offers multiple installation options including magnetic attraction, 3M adhesive, or screw mounting.

SETUP

1. Package Contents

Verify that your package contains the Smilewolf SNZB-06P Zigbee Human Presence Sensor and any included mounting accessories.

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

2. Installation Options

The SNZB-06P offers versatile installation methods:

- **Magnetic Attraction:** Attach the sensor to a metallic surface using its magnetic base.
- **3M Adhesive:** Use the provided 3M adhesive to stick the sensor to a clean, flat surface.
- **Screw Mounting:** Secure the sensor to a wall or ceiling using screws (not always included, check package).

Choose a location that provides optimal coverage for the area you wish to monitor, considering the 4-meter detection range.

3. Pairing with a Zigbee Hub

The SNZB-06P is compatible with various Zigbee 3.0 hubs. Follow these general steps to pair your sensor:

1. Ensure your Zigbee hub (e.g., SONOFF NSPanel Pro, iHost, ZB Bridge Pro, ZBDongle-E, Echo Plus 2nd Gen) is powered on and in pairing mode. Refer to your hub's manual for specific instructions on enabling pairing mode.
2. Power on the SNZB-06P sensor. It should automatically enter pairing mode, indicated by a blinking LED.
3. Once detected by your hub, confirm the pairing process through your hub's application or interface.
4. The sensor will appear as a new device in your smart home system. Note that for optimal compatibility, it may appear as a motion sensor on certain platforms, but it retains full human presence sensing functionality.

Image: The SNZB-06P sensor is compatible with multiple Zigbee hubs, including SONOFF and Echo Plus 2nd Gen devices.
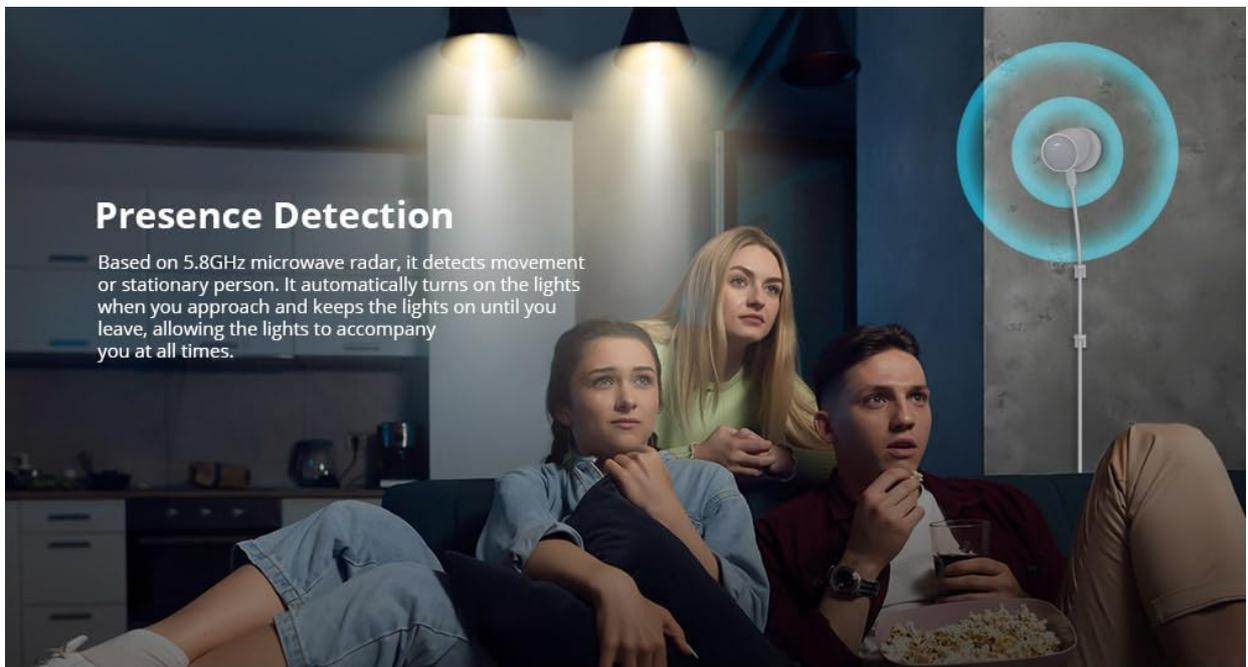
4. Sensitivity Settings

The SNZB-06P features three levels of sensitivity. You can adjust this setting through your connected Zigbee hub's application to fine-tune detection based on your environment and specific needs. Higher sensitivity may detect smaller movements or objects, while lower sensitivity can reduce false triggers.
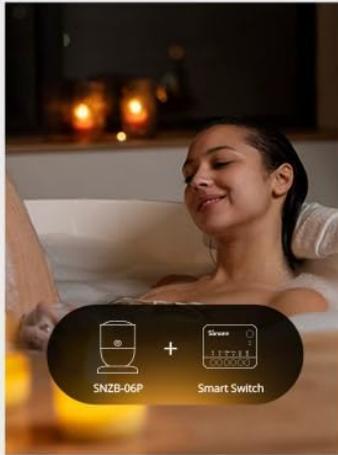
OPERATING INSTRUCTIONS

1. Presence Detection

The sensor continuously monitors its environment using 5.8GHz microwave radar. When a human presence is detected, whether moving or stationary, it triggers associated smart home actions. For example, it can automatically turn on lights when you enter a room and keep them on as long as you are present.
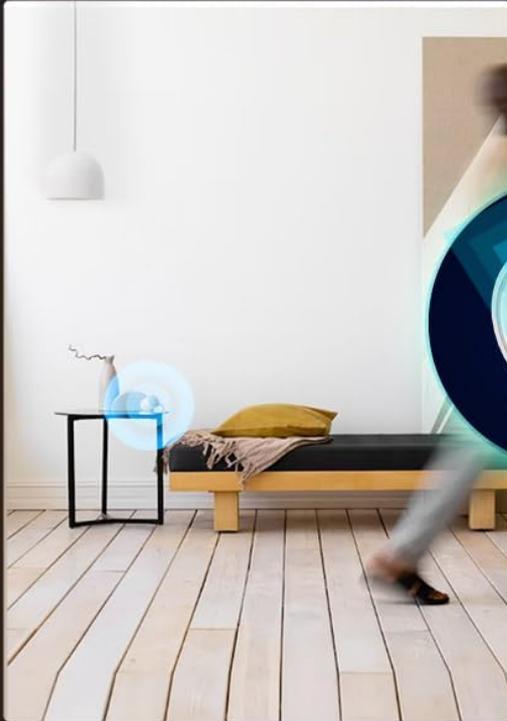
Image: The SNZB-06P sensor detecting human presence in a room, automatically controlling lighting.
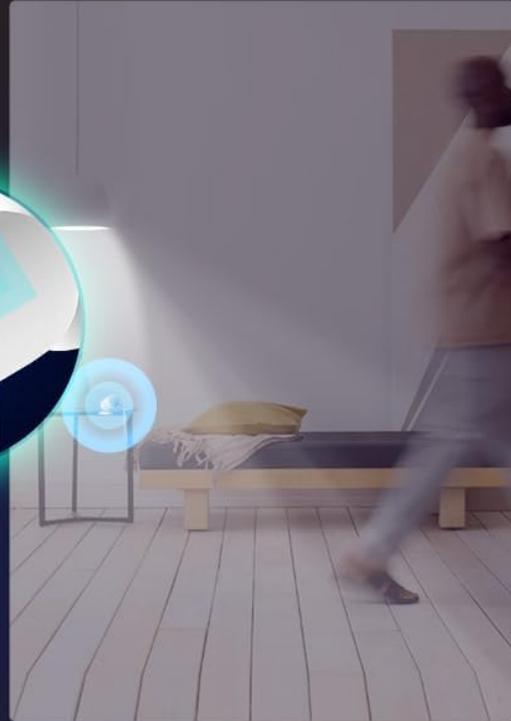
2. Light Sensing Functionality

The integrated light detector works in conjunction with presence detection. Lights will only be activated if presence is detected *and* the ambient light level is below a certain threshold (i.e., in dark environments). This feature helps conserve energy by preventing lights from turning on unnecessarily during daylight hours.

Image: The light sensing feature ensures lights are activated only when presence is detected in dark conditions.

3. Local Smart Scene Linkage

The SNZB-06P supports local smart scenes, meaning that scene linkages between Zigbee devices can still be executed even if your internet connection is temporarily unavailable. This ensures continuous functionality of your automated routines.

Image: Local scene intelligent linkage allows Zigbee devices to communicate and execute scenes without an internet connection.

4. Multi-Platform Integration

The sensor can be integrated with various popular smart home platforms, including Alexa, Google Home, Smartthings, Alice, IFTTT, and Home Assistant. This allows you to control and automate your sensor's functions through your preferred smart home ecosystem.

Local Scene Intelligent Linkage

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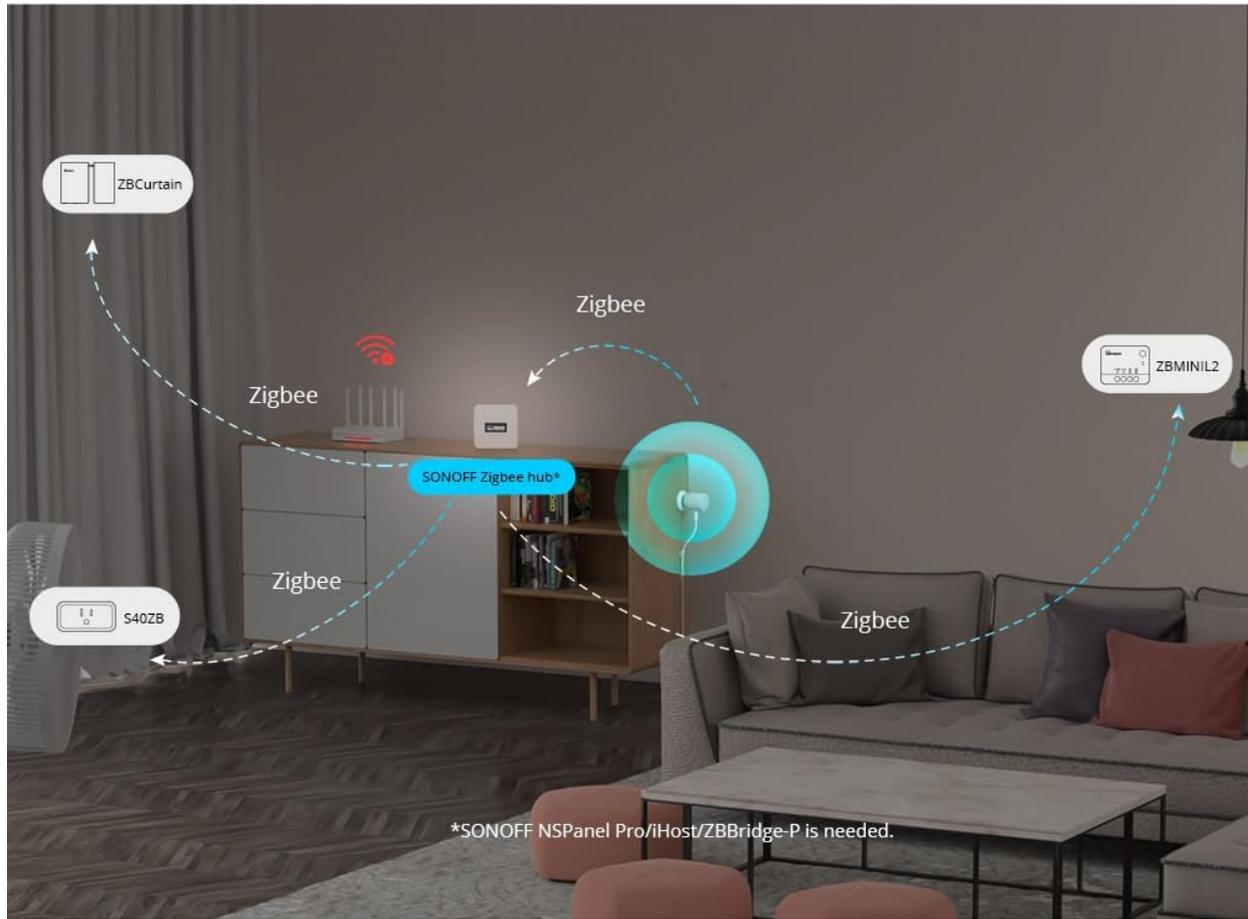

Image: The SNZB-06P sensor works with multiple smart home platforms for enhanced automation.

Image: The SNZB-06P can be easily added to Home Assistant for advanced automation.

MAINTENANCE

To ensure optimal performance and longevity of your Smilewolf SNZB-06P sensor, consider the following maintenance tips:

- **Cleaning:** Gently wipe the sensor's exterior with a soft, dry cloth to remove dust. Avoid using abrasive cleaners or solvents.
- **Placement:** Ensure the sensor is not obstructed by furniture, curtains, or other objects that could interfere with its radar detection.
- **Environment:** Avoid placing the sensor in areas with extreme temperatures, high humidity, or direct exposure to water.
- **Battery:** If the sensor is battery-powered (check specifications), replace batteries as needed to maintain continuous operation.

TROUBLESHOOTING

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

steps:

- **Sensor Not Detecting Presence:**

    - **Check Placement:** Ensure the sensor has a clear line of sight to the area you want to monitor. Obstructions can block radar signals.
    - **Adjust Sensitivity:** Increase the sensor's sensitivity setting via your Zigbee hub's application. The SNZB-06P has three sensitivity levels.
    - **Verify Power:** Ensure the sensor is properly powered.
    - **Range:** Confirm that the target is within the 4-meter detection range.

- **False Detections:**

    - **Reduce Sensitivity:** Decrease the sensor's sensitivity setting to prevent detection of minor environmental disturbances (e.g., pets, air currents from fans, or vibrations).
    - **Reposition Sensor:** Adjust the sensor's angle or location to avoid areas with constant, non-human movement.

- **Lights Not Activating with Presence:**

    - **Check Light Sensor:** Ensure the ambient light is sufficiently low for the light sensing feature to trigger. Test in a darker environment.
    - **Verify Automation Rules:** Review your smart home automation rules or scenes to ensure they are correctly configured to link presence detection with light control.

- **Cannot Pair with Zigbee Hub:**

    - **Hub Pairing Mode:** Confirm your Zigbee hub is actively in pairing mode.
    - **Sensor Reset:** If available, perform a factory reset on the sensor (refer to specific product documentation if a reset button/procedure is present).
    - **Proximity:** Ensure the sensor is within close range of the Zigbee hub during the pairing process.

- **Local Smart Scenes Not Working:**

    - **Zigbee Network Health:** Ensure your local Zigbee network is stable and all devices are communicating correctly.
    - **Scene Configuration:** Double-check the configuration of your local smart scenes within your Zigbee hub's application.

SPECIFICATIONS

Brand	Smilewolf
Model Number	SNZB-06P
Item Type Name	Zigbee Human Presence Sensor
Color	White
Power Source	Battery Powered
Item Weight	0.95 Pounds
Maximum Range	4 Meters (13 feet)

Mounting Type	Wall Mount (Magnetic, 3M Adhesive, Screw)
Frequency	5.8 GHz
Smart Home Compatibility	Alexa, Google Home, Smartthings, Alice, IFTTT, Home Assistant, SONOFF NSPanel Pro, SONOFF iHost, SONOFF ZB Bridge Pro, SONOFF ZBDongle-E, Echo Plus 2nd

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation provided with your purchase or contact Smilewolf customer service directly. Keep your purchase receipt for warranty claims.