User Manual SNWF-06P24 (EN)

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ITEAD - 李梓旋(42604830)



Matter Over WiFi Human Presence Sensor User Manual V1.0

Introduction

SenseGuard Presence Core 24G is a human presence sensor based on microwave radar technology. It continuously emits microwave signals into the surrounding environment and detects changes in the reflected signals caused by human breathing, enabling accurate presence detection.

Operating at 24GHz, the device offers high precision and can detect even subtle movements. It supports masking of specific detection ranges or interference sources in designated areas, providing strong anti-interference performance. The built-in ambient light sensor enables more flexible and advanced smart scene conditions.

The device helps detect abnormal intrusion or presence and can promptly trigger linked devices such as cameras and alarms for precise security protection. It can also automatically control lights, fans, and other appliances based on human presence, delivering a more convenient and effortless smart living experience.

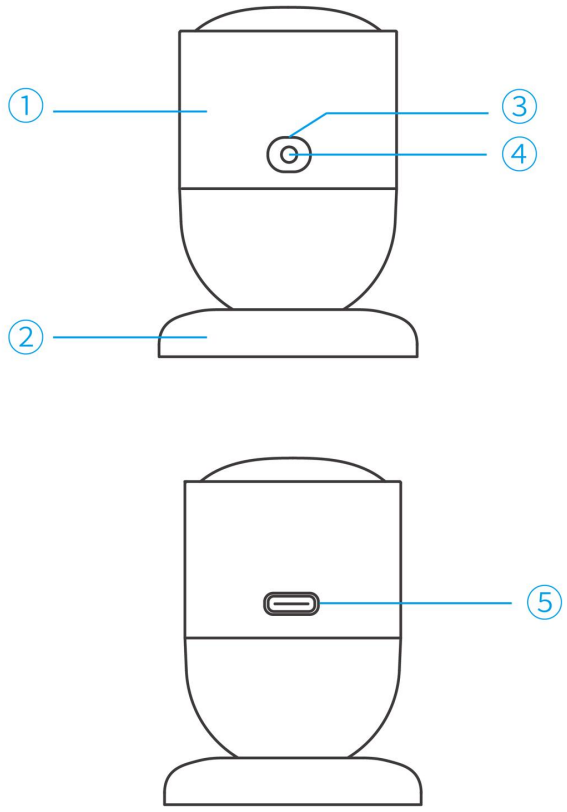
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Presence Detection

Detection Area Setting

Interference Filtering

Light Sensing



① Human presence sensor

② Magnetic base

③ Button

- **Press and hold for 5 seconds:** The device enters pairing mode while simultaneously enabling the AP hotspot.
- **Press and hold for 10 seconds:** Factory reset.

④ LED indicator

- **Flashes two short and one long:** Device is in pairing mode.
- **Keeps on:** Online
- **Flashes twice:** LAN only.
- **Slow flashing:** Offline
- **Flashes quickly for five times:** Factory reset.

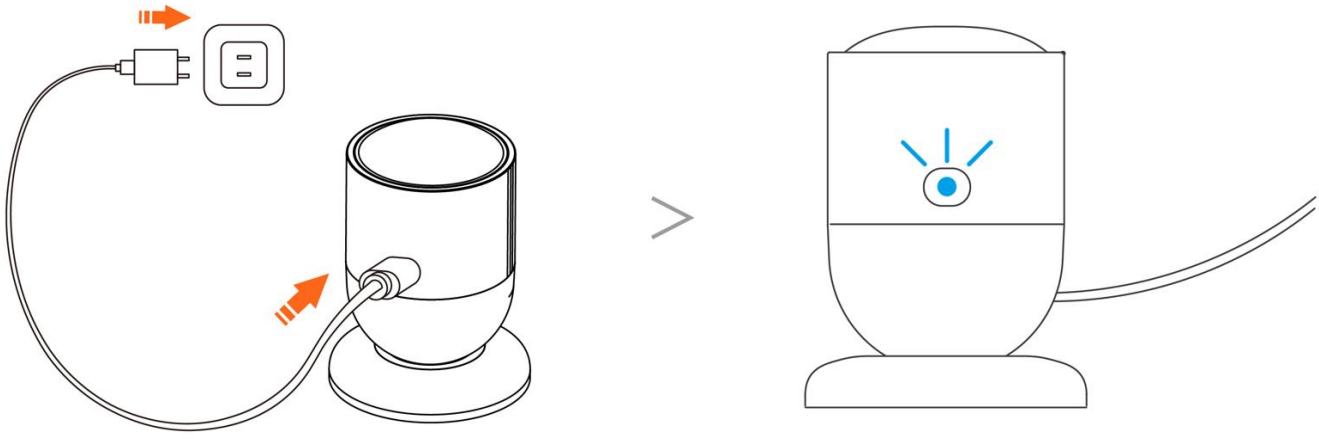
⑤ Power input interface（Type-C）

Specifications

SenseGuard Presence Core 24G (Matter Version)	
Product Series	SenseGuard Series
Product Type	Matter Over WiFi Human Presence Sensor
Product Model	SNWF-06P24
MCU	ESP32-C6
Input	5V ⎓ 1A

Interface Type	Type-C
Wireless Connection	Wi-Fi: IEEE 802.11 b/g/n 2.4GHz, FMCW
Colour	White
Product Dimension	44.2x44.2x59mm
Net Weight	34.5g
Casing Materials	PC+ABS
Applicable Place	Indoor
Working Temperature	-10℃ ~ 60℃
Working Humidity	0~90% RH, non-condensing
Working Height	Less than 2000m
Certification	CE/FCC/RoHS

Power on



After powering on, the device will enter the Pairing Mode during the first use. The LED indicator changes in a cycle of two short and one long flash.

The device will exit pairing mode if it is not paired within 10 minutes. To enter pairing mode again, press and hold the device button for about 5 seconds until the LED indicator

flashes twice quickly and once slowly, then release the button.

Matter Ecosystem User Guide

Open a Matter-compatible App to scan the Matter QR code on the Quick Guide or the device itself to add the device.

Add to Apple via Matter

Add to Google via Matter

Add to Alexa via Matter

Add to SmartThings via Matter

Add to Home Assistant via Matter

eWeLink Ecosystem User Guide

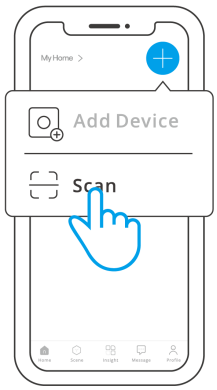
1. Download the eWeLink App

Please download the "**eWeLink**" App from the **Google Play Store** or **Apple App Store**.



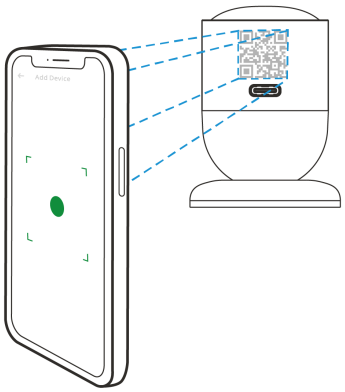
2. Add Device

1



Enter "Scan"

2



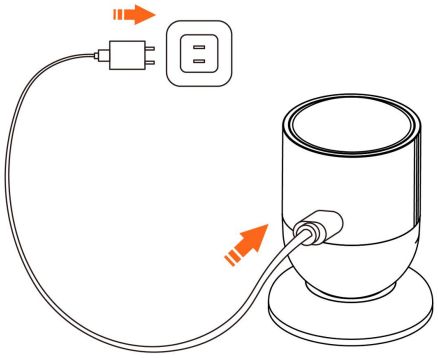
Scan the QR code on the quick guide or the device

3



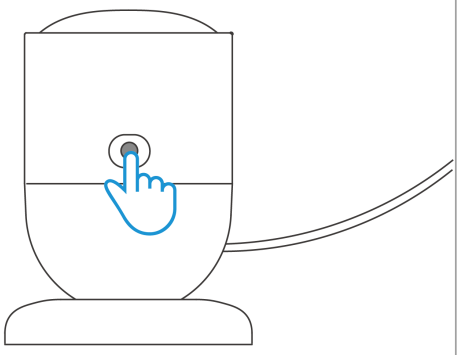
Select "Add Device"

4



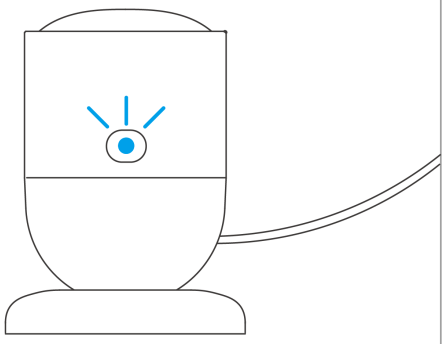
Power on the device

5



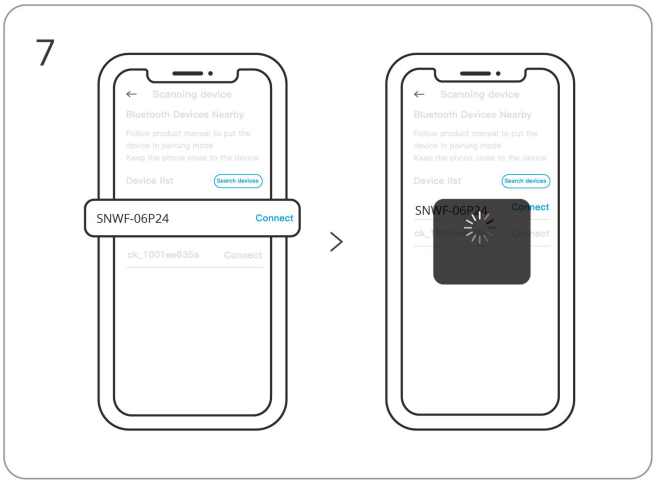
(If the device exits pairing mode)Long press the button for 5 seconds

6

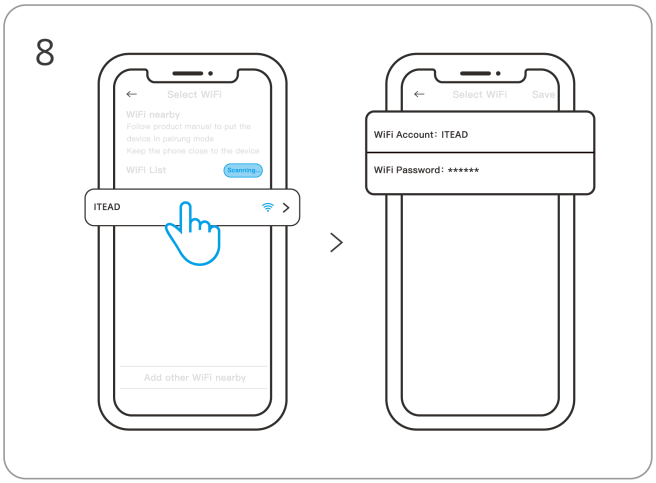


Check LED indicator flashing status (Two short and one long)

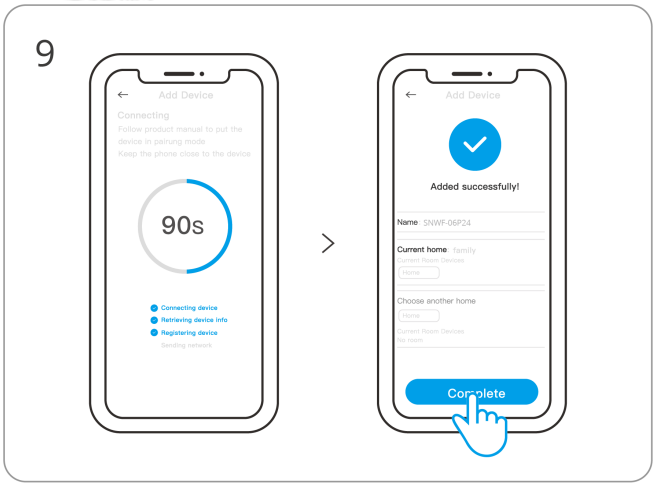
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Search for the device and start connecting



Select the "Wi-Fi" network and enter the password



Device "Added completely"

Web Console Guide

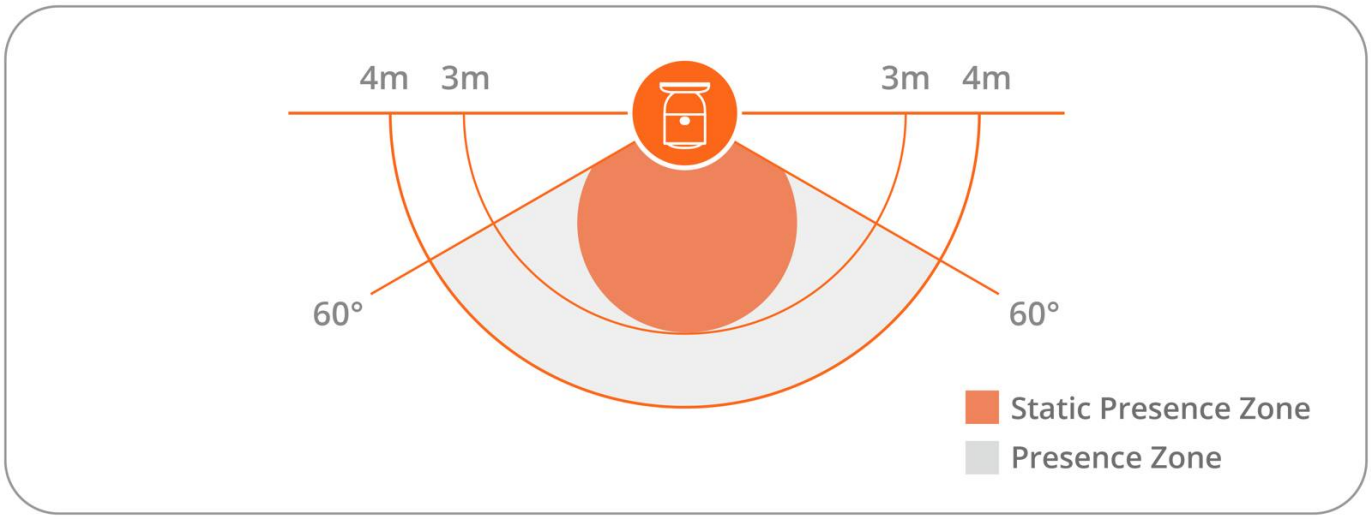
1. Access via AP Hotspot

When the device is in pairing mode, it will automatically enable an AP hotspot.
Connect to the device hotspot **SONOFF_SNWF-06P24_xxxx**, then enter the following in your browser: **192.168.33.1** to access the Web Console.

2. Access via LAN

After the device is successfully connected to Wi-Fi, ensure your phone or computer is on the same local network. Then enter either: **SNWF-06P24.local** or the **device's IP address** (check it in your router's admin panel) in your browser to access the Web Console.

Detection Range



Radial detection distance: approximately 4m.

Detection angle: 120°

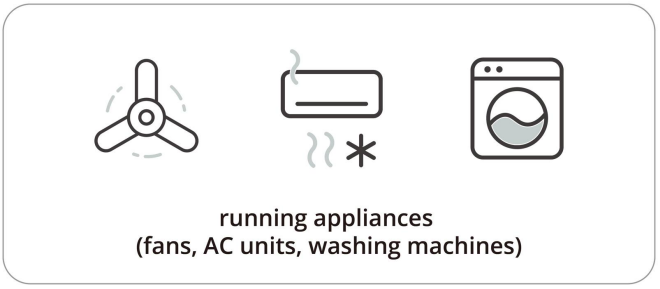
**Note: In narrow indoor environments, microwave reflections may be stronger, which can result in a wider effective detection angle.*

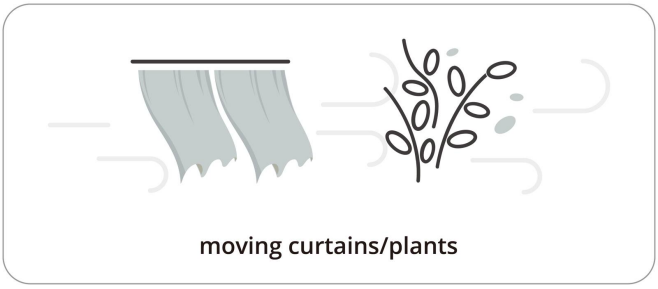
Installation

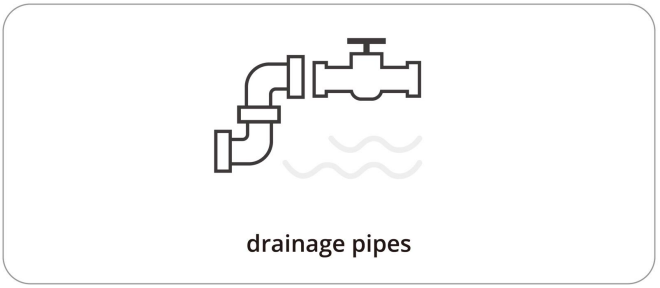
① *Step One: Choose a Suitable Installation Location*

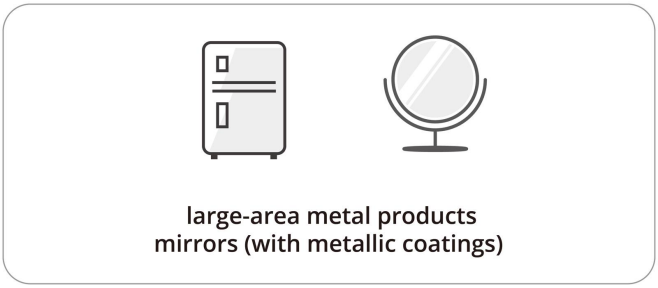
Common Interference Sources:

1. **Moving objects**: *operating fans, air conditioners, washing machines, swaying curtains or plants, drainage pipes, etc.*
2. **Metal objects**: *large metal surfaces, mirrors with metallic coatings etc.*







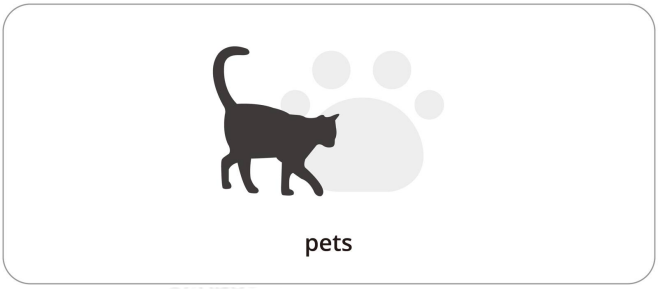


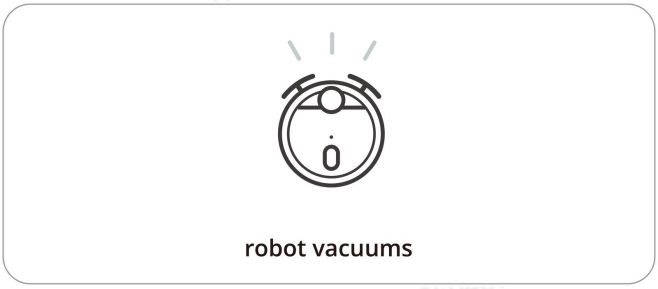
Before finalizing the installation location, **adjust the position of the sensor or the interference sources if necessary.**

The farther an interference source is from the sensor, the less impact it has on detection. Whenever possible, **keep interference sources outside the detection area.**

For interference sources that remain within the detection area, the device can reduce false detection through Detection Area Setting (②) and Detection Calibration (④).

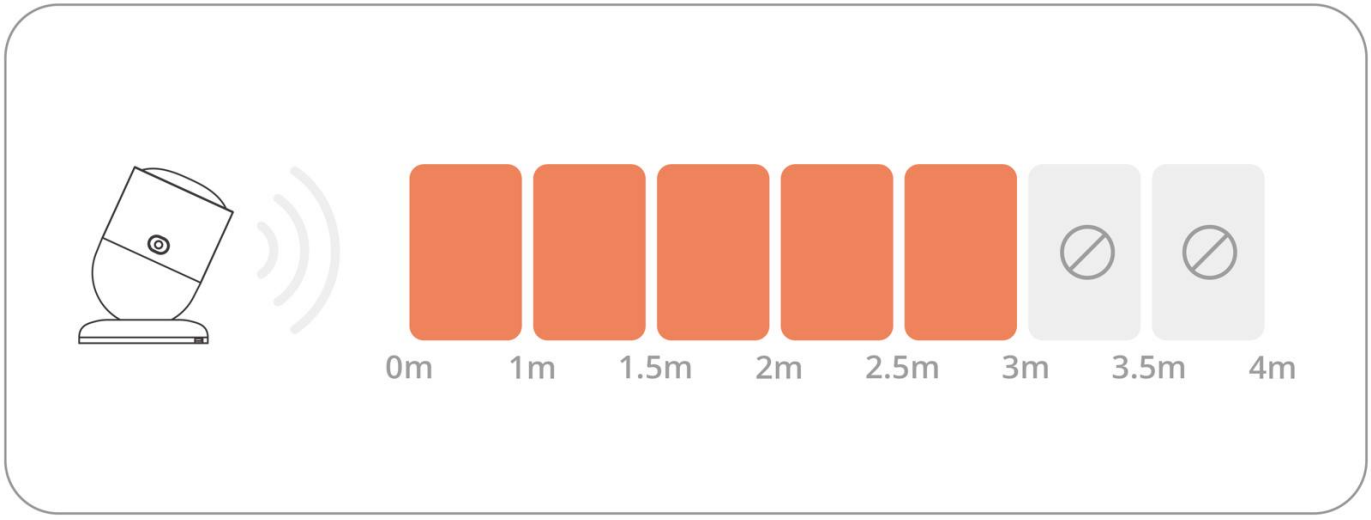
**Note: Interference sources with non-fixed positions, such as pets and robot vacuums, cannot be excluded.*





② *Step Two: Block Interference Zones*

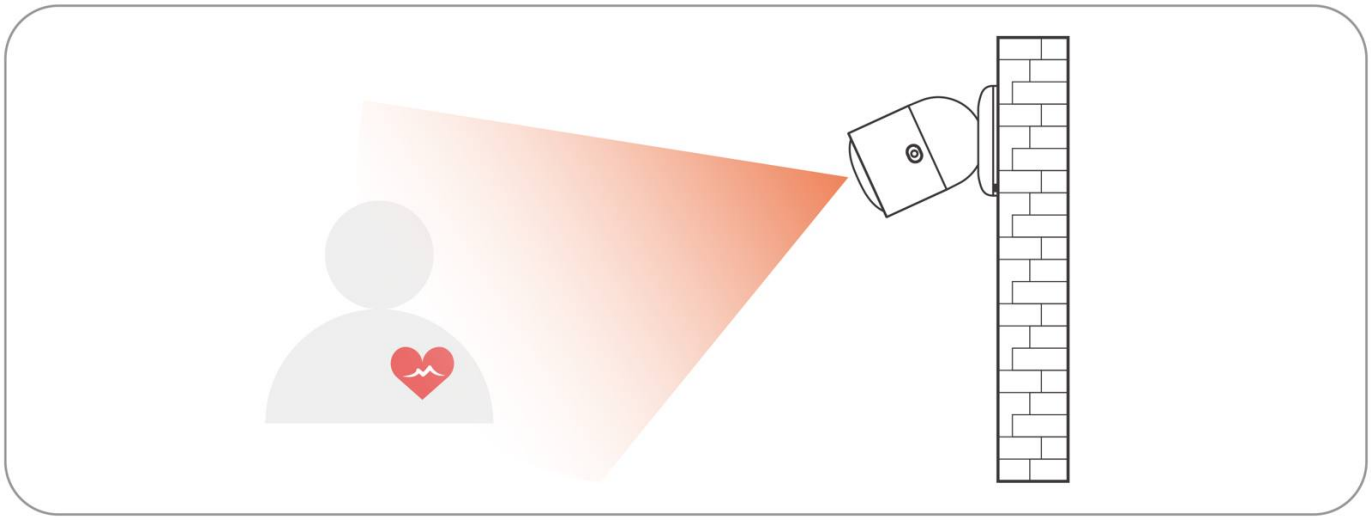
On the device settings page, use the **Detection Area Setting** *feature* to block detection zones that contain interference sources. **Each zone can be enabled or disabled individually.**



③ Step Three: Mount the Device

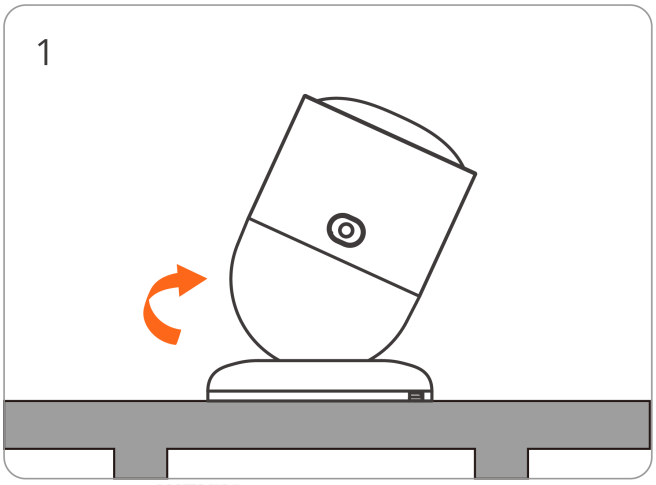
Install the device at a **height of 1—2 meters.**

For optimal performance, aim the sensor directly **toward the human chest area.**

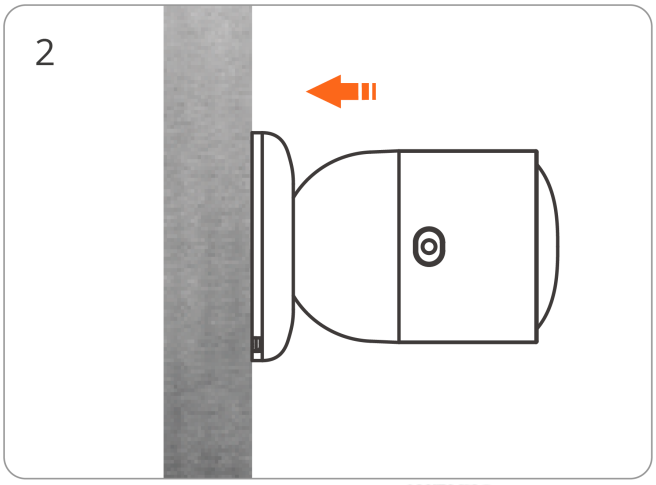


Installation Methods:

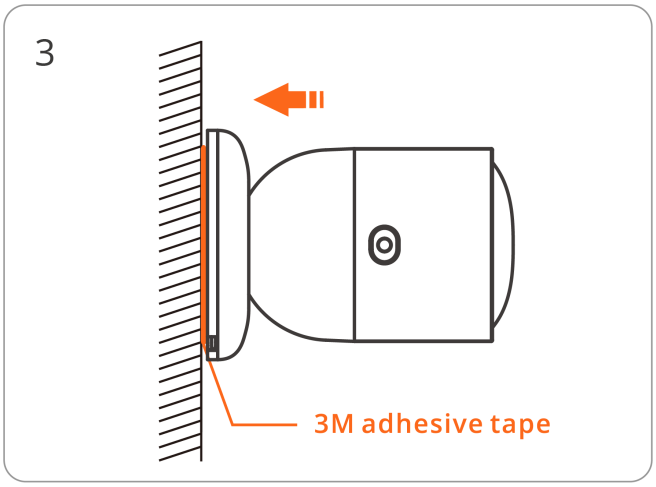
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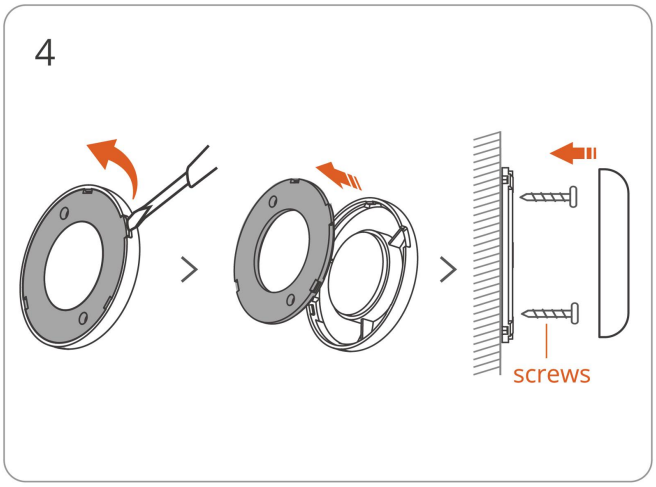
① Desktop placement.



② Attach the base magnetically to a metal surface.



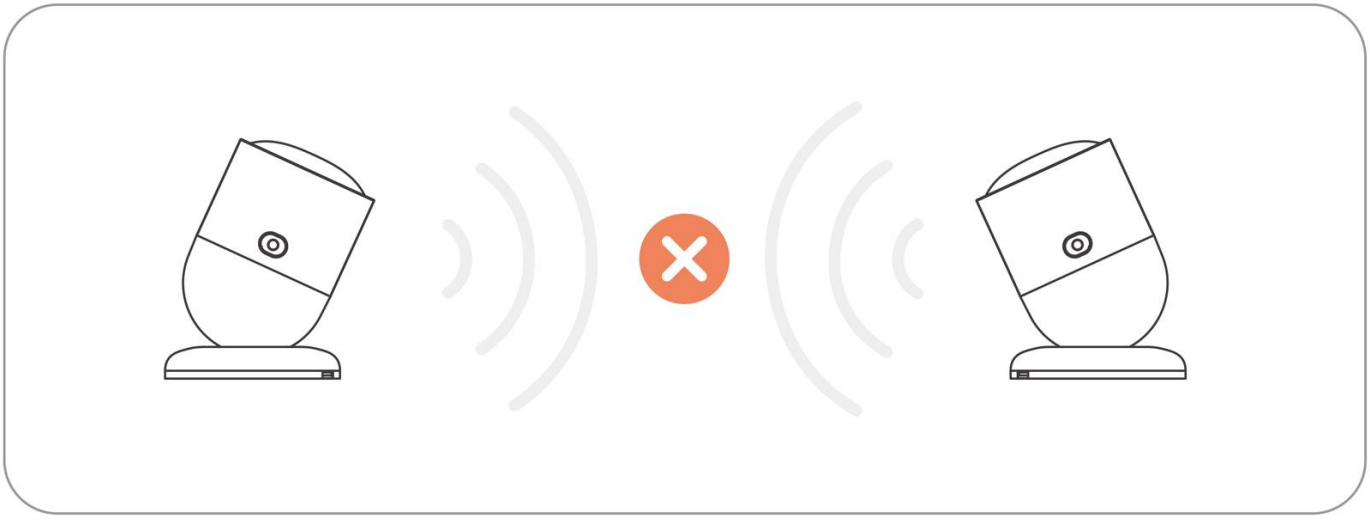
③ Attach the base using 3M adhesive.



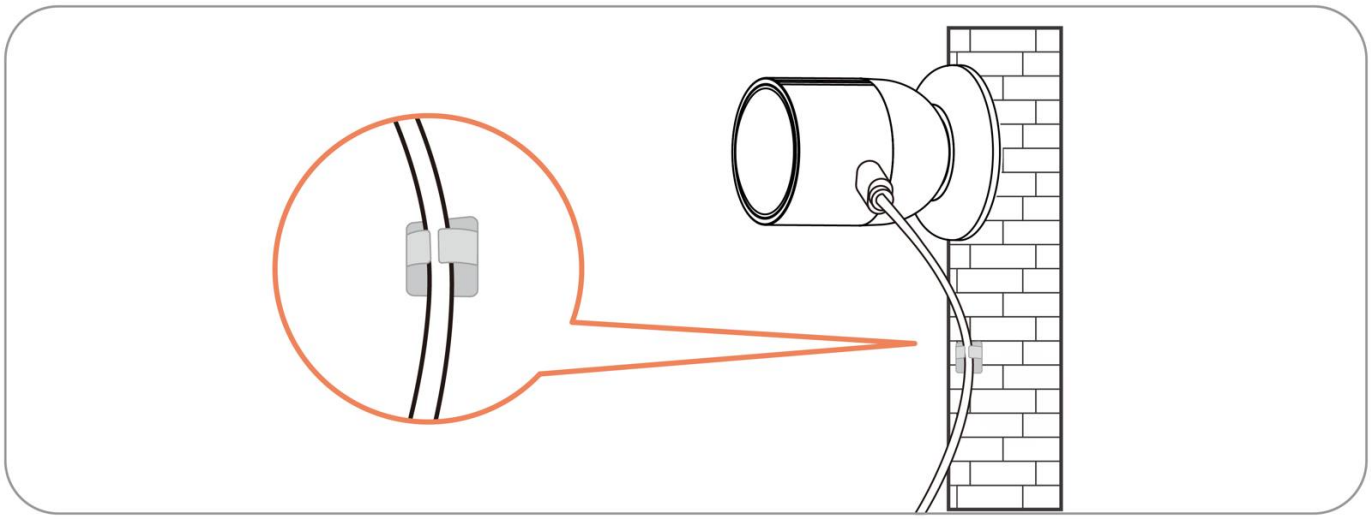
④ Secure the base with screws.

*Note: This device is intended for installation at a height of no more than 2 m.

*Note: Keep multiple sensors apart and avoid facing them toward each other.



**Note: After mounting the sensor, use the included cable clips to secure the power cable and prevent it from moving.*

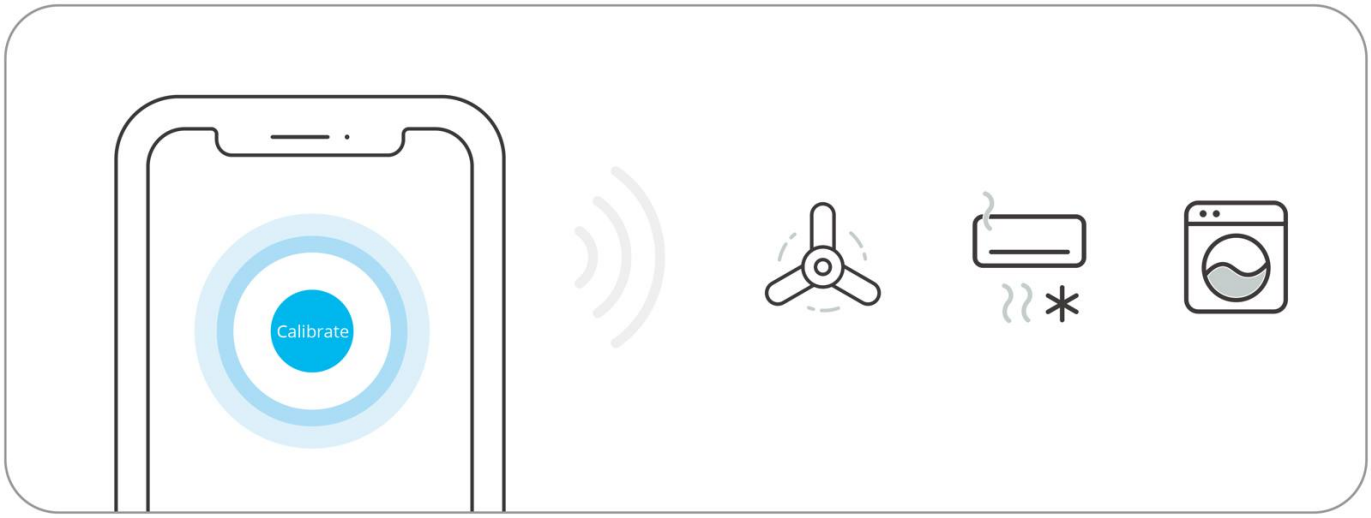


④ *Step Four: Eliminate Interference in Unblocked Zones*

This feature is mainly used to **reduce interference from appliances that operate continuously in a fixed location**, *such as fans, air conditioners, or washing machines.*

Leave the detection area and make sure the appliance you want to exclude remains powered on and operating.

Enable **Detection Calibration** *feature on the device setting page. The device will automatically self-learn the movement pattern of the interference source and exclude it from detection.*



Notes for installation:

① If the sensor position or the position of any interference source changes, please reconfigure Detection Area Setting and Detection Calibration as required.

② Some settings (Detection Area Setting and Detection Calibration) may not be available on certain third-party Zigbee gateways. For third-party users, please download the eWeLink App, scan the QR code on the device, and follow the in-app instructions to connect and configure.

③ Interference sources with non-fixed positions, such as pets or robot vacuum cleaners, cannot be blocked or excluded.

Factory Reset

Long press the device button for 10 seconds until the LED indicator quick flashes 5 times. The device will be restored to factory settings.




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.

Scatola	Manuale	Borsa	Borsa
PAP 21	PAP 22	PET 7	LDPE 4
Carta	Carta	Plastica	Plastica
RACCOLTA DIFFERENZIATA			
Verifica le disposizioni del tuo Comune. Separa le componenti e conferiscile in modo corretto.			

EU Declaration of Conformity

Hereby, Shenzhen Sonoff Technologies Co., Ltd declares that the radio equipment type SNWF-06P24 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/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

FMCW：24-24.25GHz

EU Output Power

Wi-Fi 2.4G≤20dBm

BLE≤10dBm

FMCW≤20dBm

Under normal use of condition, this equipment should be kept a separation distance of at least 20 cm between the antenna and the body of the user.

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.

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–SNWF06P24

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 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.

ITEAD - 李梓旋(42604830)

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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