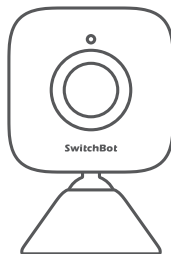


www.switch-bot.com
V1.2-2208

SwitchBot Motion Sensor

User Manual



Please read this user manual carefully before using your device.

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Package Contents



Motion Sensor × 1



User Manual × 1



Base × 1



AAA Battery
× 2



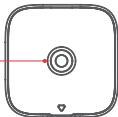
3M Double-sided
Adhesive Tape × 1

List of Components

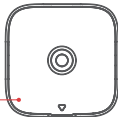
Mounting Slot

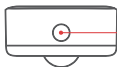


Mounting Slot

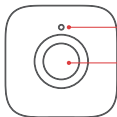


Battery Case





Reset Button



LED Indicator Light
& Light Sensor

Fresnel Lens



Base

Magnet

Preparation

You will need:

- A smartphone or tablet using Bluetooth 4.2 or later.
- The latest version of our app, downloadable via the Apple App Store or Google Play Store.
- A SwitchBot account, you can register via our app or sign in to your account directly if you already have one.

Please note: If you intend to use the Cloud Service feature, you will need a SwitchBot Hub Mini (sold separately).



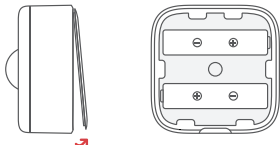
iOS 11.0+



Android OS 5.0+

Getting Started

- 1 Open the battery cover, insert two AAA batteries following the "+" and "-" signs. Then close the battery cover and press it down until it clicks into place.

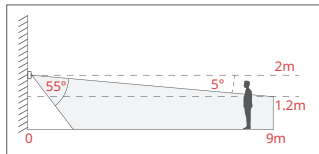
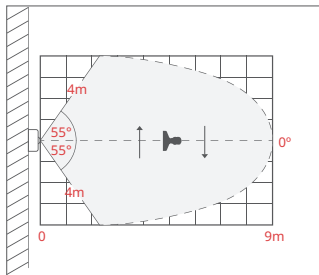


- 2 Open the SwitchBot app and sign in.
- 3 Tap "+" icon at the top right of the home page. Find the Motion Sensor icon and select, then follow the instructions to complete the setup.

Safety Information

- Keep the device away from humid or hot environments.
- Remove the batteries when not used for a long period of time.
- Do not attempt to disassemble, repair, or modify the device.
- Use only the type of batteries specified in this manual.

Detection Range



Light Sensor

Light Sensor senses whether it is bright or dark in the target environment. You can define the threshold for being bright or being dark in the app. Navigate to the Settings page of Motion Sensor in the app for more information.

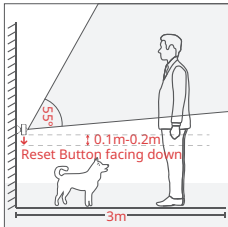
How to Use

Reset Button Facing Up

It is recommended to install Motion Sensor 1.2 to 2 m (3.9 to 6.6 ft.) above the ground. The detection range will be reduced when it is placed lower than 1.2 m (3.9 ft.). There will be detection blind spots when it is placed higher than 2 m (6.6 ft.).

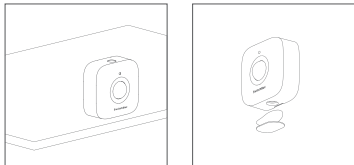
Reset Button Facing Down (for Pet Owners)

If you are a pet owner, it is recommended to install Motion Sensor 0.1 to 0.2 m (3.9 to 7.9 in.) higher than your pet(s) with the Reset Button facing down, to prevent false alarms triggered by your pets.



Place Motion Sensor without the Base

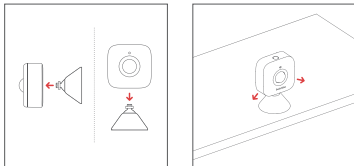
Place Motion Sensor directly on a table or shelf or stick it to a flat surface using the 3M double-sided adhesive tape.



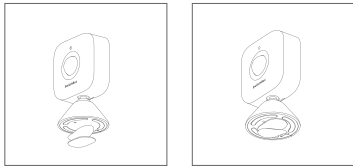
Note: Make sure the lens is facing towards the desired area to be detected and is placed close to the edge of the table or shelf.

Place Motion Sensor with the Base

Mount the base to the back or the bottom of Motion Sensor. The base can be attached to an iron surface or a magnet.



You can also stick the base to a flat surface using the 3M double-sided adhesive tape. After Motion Sensor is properly installed, tilt it to a desired angle.



Note: Make sure the lens is facing towards the desired area to be detected and is placed close to the edge of the table or shelf.

Tips for Applying the Adhesive Tape

Make sure the target surface is dry and clean. Apply pressure to Motion Sensor / the base for 60 seconds after installation. Keep it away from any heat source such as light bulbs.

Battery Replacement, Firmware Upgrades and Resetting Factory Settings

Battery Replacement

Open the battery cover, remove the old batteries and insert two new AAA batteries following the "+" and "-" signs. Then close the battery cover and press it down until it clicks into place

Firmware Upgrades

In order to improve user experience, we will regularly release firmware updates to introduce new functions and solve any software defects that may occur during usage. When a new firmware version is available, we will send an upgrade notification to your account via our app. When upgrading, please make sure your product has sufficient battery and make sure your smartphone is within range to prevent interference.

Resetting Factory Settings

Long press the Reset button for 15 seconds or until the LED indicator light is on.

Note: After the device is reset, all settings will resume to default values and the logs will be erased.

Troubleshooting

Q: It is not sensitive within the detection range set during high temperature.

A: When the room temperature reaches 36 °C (97 °F), which is very similar to the human body temperature, your Motion Sensor will be less sensitive. Please cool your room by turning on the AC or fan.

Q: There are a lot of false alarms.

A: Adjust the angle of your Motion Sensor to avoid the window area, heat sources, and any areas with constantly moving objects.

Q: How to enable Cloud Services?

A: A SwitchBot Hub Mini (sold separately) is required if you want to use Cloud Services. After setting up a Hub Mini, please navigate to the app homepage. If a cloud icon shows up on the Motion Sensor card, this means it is being scanned by Hub Mini. Tap the Motion Sensor card, tap Settings and enable Cloud Services.

Scan the QR code below to view more solutions.

<https://support.switch-bot.com>



Specifications

Model: W1101500

Size: Motion Sensor: 54 × 54 × 30 mm
(2.1 × 2.1 × 1.2 in.);

Base: 45 × 45 × 32 mm (1.8 × 1.8 × 1.3 in.)

Weight: Motion Sensor: 56 g (2 oz.) (with batteries);

Base: 19 g (0.7 oz.)

Battery Life: 2 AAA batteries, roughly 3 years (triggered 120 times by motion, 40 times by light sensing and 20 times by local scenes daily under 25 °C [77 °F])

Operating Temperature: -10 °C to 60 °C
(14 °F to 140 °F)

Operating Humidity: 20 % to 85 % RH

Maximum Detection Distance: 9 m (29.5 ft.)

Maximum Detection Range: 110° horizontal and 55° vertical (results obtained from lab experiments under 25 °C [77 °F])

Warranty

We warrant to the original owner of the product that the product will be free from defects in materials and workmanship. Please note that this limited warranty does not cover:

- Products submitted beyond the original limited warranty period.
- Products on which repairs or modifying have been attempted.
- Products subjected to falls, extreme temperatures, water, or other operating conditions outside the product specifications.
- Damage due to natural disaster (including but not limited to lightning, flood, tornado, earthquake, or hurricane, etc.).
- Damage due to misuse, abuse, negligence or casualty (e.g. fire).

- Other damage that is not attributable to defects in the manufacture of product materials.
- Products purchased from unauthorized resellers.
- Consumable parts (including but not limited to batteries).
- Natural wear of the product.

Contact & Support

Setup and Troubleshooting:
support.switch-bot.com

Support Email:
support@wondertechlabs.com

Feedback: If you have any concerns or problems when using our products, please send feedback via our app through the Profile > Feedback page.

CE/UKCA Warning

RF exposure information: The EIRP power of the device at maximal case is below the exempt condition, 20 mW specified in EN 62479: 2010. RF exposure assessment has been performed to prove that this unit will not generate the harmful EM emission above the reference level as specified in EC Council Recommendation(1999/519/EC).

CE DOC

Hereby, Woan Technology (Shenzhen) Co., Ltd. declares that the radio equipment type W1101500 is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: support.switch-bot.com

UKCA DOC

Hereby, Woan Technology (Shenzhen) Co., Ltd. declares that the radio equipment type W1101500 is in compliance with UK Radio Equipment Regulations (SI 2017/1206). The full text of the UK declaration of conformity is available at the following internet address: support.switch-bot.com

This product can be used in EU member states and UK.

Manufacturer: Woan Technology (Shenzhen) Co., Ltd.
Address: Room 1101, Qiancheng Commercial Center,
No. 5 Haicheng Road, Mabu Community, Xixiang
Subdistrict, Bao'an District, Shenzhen, Guangdong,
P.R.China, 518100

EU Importer Name: Amazon Services Europe
Importer Address: 38 Avenue John F Kennedy, L-1855
Luxembourg

Wi-Fi: 2412 MHz to 2472 MHz
Operation temperature: -10 °C to 60 °C

FCC Warning

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.
(2) This device must accept any interference received, including interference that may cause undesired operation.

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.

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

FCC Radiation Exposure Statement

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

IC Warning

This device contains license-exempt transmitter(s)/ receiver(s) that comply with Innovation, Science and Economic Development Canada's license-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.
(2) This device must accept any interference, including interference that may cause undesired operation of the device. L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

(1) L'appareil ne doit pas produire de brouillage.
(2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

IC Radiation Exposure Statement

This equipment complies with the IC radiation exposure limits established for uncontrolled environment. This equipment must be installed and

operate at least 20cm from a radiator or your body. Cet équipement est conforme aux limites d'exposition aux rayonnements de la IC établies pour un environnement non contrôlé. Cet équipement doit être installé et fonctionner à au moins 20cm de distance d'un radiateur ou de votre corps.