

**LED indicator light**

LED indicator light flashes slowly, once every second: the device is searching for the network;  
 LED indicator light flashes: detecting something and alarming;  
 LED indicator light flashes thrice per second: the battery's voltage is very low, please replace the batteries as soon as possible;

**Note:** The battery's standby time is 8 to 12 months;

**Operation Guide**

**Step 1:**  
 Search keyword "HomeMate" in APP Store or Google Play. Download and install the APP;

**Step 2:**  
 Ensure that the Mini Hub has access to the "HomeMate" APP;

**Step 3:**  
 Power it on, scan the QR code of Step 1 again in the App or add the device according to the guide;

**Installation Tips**

Install the sensor as needed. Have the notch on the back of the Motion sensor stuck on the bracket and fix it, adjust the sensor bracket's angle to reach the optimal sensing range; It is advised that the sensor shall be mounted about 2m above the floor.

**Tips**

1. Choose the correct installation direction:  
 The infrared sensor has the highest detection sensitivity when

perpendicular to the walking direction. To achieve the best results, please choose the most appropriate position and direction according to the actual situation and reference range diagram for installation;

2. Do not point towards heat or cold sources :  
 The infrared detection is closely related to temperature. An unstable ambient temperature may trigger a false alarm. Therefore, the infrared devices should be installed away from heaters, air conditioners, refrigerators or potential heat and cold generator;

3. Do not point towards moving objects :  
 Moving objects may trigger a false alarm;

**Restore default setting**

Hold down the "Reset" button until the green light is out. This means that the transmitter has been switched off the network; short press one time to make the green light flash slowly. This means that the transmitter can be reconnected to the network.

## User Guide

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. Any 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.

To maintain compliance with FCC's RF Exposure guidelines, this equipment should be installed and operated with minimum distance between 20cm the radiator your body. Use only the supplied antenna.

**FCC ID: 2ACLPSN11**

Motion Sensor  
SN11/SN11ZW

Thanks for using our product

**Product overview**

Motion sensor is based on the human body's infrared spectrum detection technology. When any human body activity is within its detection range, it will sense the infrared ray released by the human body to detect the person movement. Working with the smart hub and [HomeMate]App, the sensor provides the home security defense and creates scene with other devices.

**System Requirements:** Smart devices running iOS8.0 or above/Android 4.0 or above.

**Packing list**

**Product parameters**

Power: DC3V (2 AA batteries)  
 Standby current: <30uA  
 Alarm current: <20 mA  
 Detection range: 10M/110°  
 Communication distance: <80m (Open without interference)  
 Protocol: ZigBee HA  
 Wireless Frequency: 2.4GHz  
 Encryption mode: AES-128  
 Transmission power: <8dBm  
 Receiver sensitivity: >-90 dBm  
 Casing material: ABS  
 Operating humidity: 10%-90%RH  
 Size: φ52.6×63.6mm

**Appearance present**

**Indicator lights and buttons**

**Manufacturer's Name:** Shenzhen ORVIBO Electronics Co., Ltd.  
 7F, Block A7, Nanshan 1 Park, No.1001 Xueyuan Road, Nanshan District, Shenzhen, China  
**Trade Mark:** IoT in Sensor  
**Model number:** SM11  
**Operating Temperature:** -10° C to 40° C

This device was tested for typical body-worn operations. To comply with RF exposure requirements, a minimum separation distance of 20cm must be maintained between the user's body and the handset, including the antenna. Third-party belt-clips, holsters, and similar accessories used by this device should not contain any metallic components. Body-worn accessories that do not meet these requirements may not comply with RF exposure requirements and should be avoided. Use only the supplied or an approved antenna.

This device is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU. All essential radio test suites have been carried out.

**1. CAUTION - RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS**

2. The device complies with RF specifications when the device used at 20cm from your body

Function	Operation Frequency	Max RF output power	Limit
Zigbee	2400~2475 MHz	3.81	20 dBm