

Xiaolei

Motion Sensor

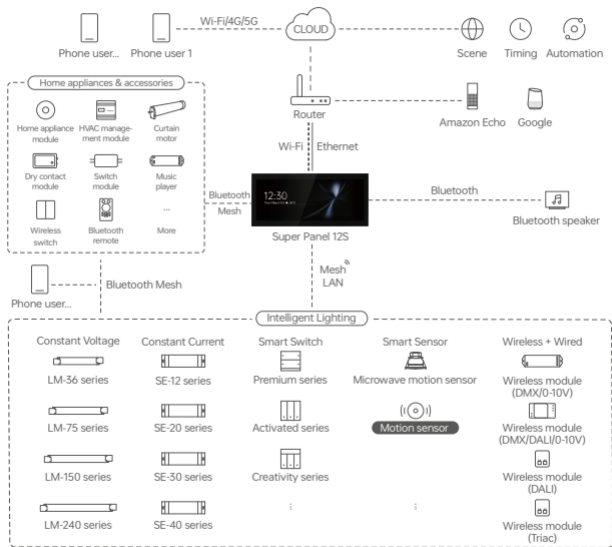
Model: HSD-BLE



Manual

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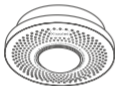
System Diagram



Product Introduction

This motion sensor features the Bluetooth 5.0 SIG Mesh highly reliable networking protocol, enabling accurate detection of human movement and ambient light changes. It supports OTA updates for easy long-term maintenance. When paired with a smart gateway and connected to the app, it can flexibly trigger local and cloud-based automation scenes, enabling seamless smart linkage throughout the home.

Package Contents



Motion Sensor×1



Lithium Battery×1



3M Tape×1



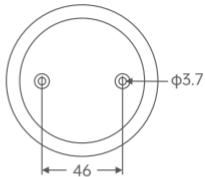
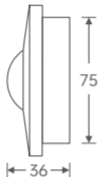
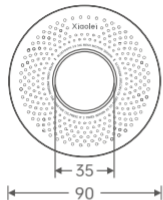
Manual×1

Technical Specs

Model	HSD-BLE
Wireless Type	Bluetooth 5.0 SIG Mesh
Operating Voltage	3.0Vdc (Lithium Battery CR123A)
Mounting Height	≤4M
Detection Angle	≤120°
Working Environment	0°C~40°C
Net Weight	115g
Dimensions	90×90×36mm (L×W×H)

Product Size

Unit: mm



Battery Replacement



1. Rotate counterclockwise to remove the bottom cover.

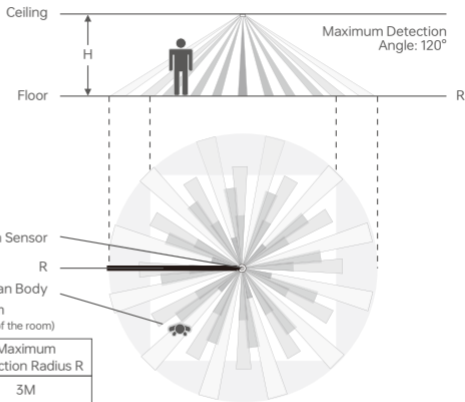


2. Replace the battery.



3. Rotate clockwise to tighten the bottom cover.

Detection Angle and Range



Ceiling Height H	Maximum Detection Radius R
2.5M	3M
2.7M	3.5M
3M	4M
4M	5.5M

Note: Multiple sensors can be added to expand the coverage. The maximum number of sensors allowed in the system depends on the specifications of the receiving device.

* Data is derived from laboratory tests. Actual values may vary depending on the usage scenario; please refer to real-world performance.

Installation Method

(Note: Please complete pairing via the APP before installation.)

Method 1: Peel off the tape and stick it on the wall or table.



Method 2: Rotate to open the bottom cover, secure the cover to the wall or table with screws, then reattach the sensor.



Installation Precautions

During installation, please refer to "Detection Angle and Range" on Page 4.

After installation, test the response between the user and the sensor as follows: Wave your hand at the ideal trigger position of the sensor and check if the red indicator flashes.

If not, adjust the position and test again.

App Operating Instructions

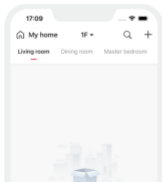
1. Register an account

Scan the QR code below with you mobile phone and follow the prompts to complete the app installation.



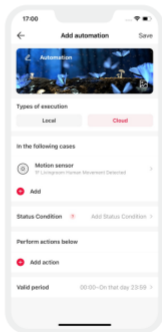
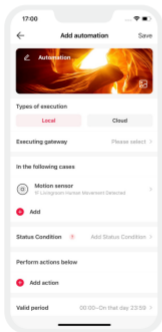
2. Configure

After a new user creates a family on the APP, click "+" in the upper right corner of the **【Room】** interface to add a device. Select "Sensor - Human Body Sensor HSD-BLE" in the list of added devices and follow the on-screen prompts to complete the addition.



3. Automation

Make sure that a smart gateway, such as SP-GW-12S has been added to the family. Select "Automation" in the **【Smart】** page and click "+" to create automation. You can choose local/cloud execution mode, and set trigger conditions and execution actions. When the set trigger conditions are met, a series of device actions are automatically triggered to achieve remote linkage.

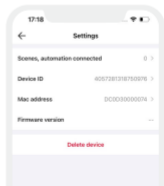
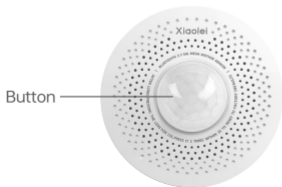


Factory Reset

Method 1: Press and hold the sensor button for 15 seconds until the indicator flashes rapidly, then release. Short press the knob 3 times within 3 seconds. The indicator will blink, indicating the device has been restored to factory settings.

Method 2: Remove the battery and wait for 20 seconds. Hold down the sensor button, reinstall the battery. The indicator will flash rapidly 5 times, indicating the device has been restored to factory settings.

Method 3: Open the L-Home APP, locate the device and enter its settings page. Connect your phone to Bluetooth and keep the device near the phone. Quickly short-press the button 5 times within 2 seconds. The indicator will flash 3 times to activate the device. Then tap the "Delete Device" button. When the interface shows "Deleted successfully", the device has been restored to factory settings.



FAQs

What should I do if I fail to search the device via APP?

Please check below:

- Please make sure the device is powered on normally and is in the activated state.
- Please keep you mobile phone and device as close as possible. The recommended distance between them is no more than 15 meters.
- Please make sure the device hasn't been added yet. If it has, please reset the device to factory defaults manually.

Attentions

- For optimal performance, use this product in an open area. Do not install the sensor near or behind metal surfaces, tall cabinets, shelves, hanging fixtures, ceiling fans, or similar objects. Keep the area around the device free of metal obstructions. Since the sensor cannot penetrate glass, do not install it on glass surfaces such as patio doors or shower doors.
- Hot objects and moving air may affect sensor performance and reduce motion detection sensitivity. For reliable operation, install the sensor at least 1.2 meters away from air conditioning vents, halogen lamps, and incandescent light bulbs located below ceiling lines.
- Devices emitting radio frequency (RF) energy may interfere with sensor performance. For reliable operation, install the sensor at least 1.2 meters away from radio-emitting devices such as microwave ovens and wireless routers.
- When installing multiple sensors, maintain a distance of more than 0.3 meters between each unit.
- Do not incinerate. Keep away from heat sources.
Not for use in damp or wet environments.
- Do not disassemble the product by yourself, as this will void the warranty.
- Do not open, modify, repair or service this product, otherwise the warranty will be invalidated.

Warranty Agreement

- Warranty periods from the date of delivery: 2 years.
- Free repair or replacement services for quality problems are provided within warranty periods.

Warranty exclusions below:

Following conditions are not within the guarantee range of free repairing or replacement services:

- Beyond warranty periods.
 - Any artificial damage caused by high voltage, overload, or improper operations.
 - Products with severe physical damage.
 - Damage caused by natural disasters and force majeure.
 - Warranty labels and barcodes have been damaged.
 - No any contract signed by LTECH.
1. Repair or replacement provided is the only remedy for customers. LTECH is not liable for any incidental or consequential damage unless it is within the law.
 2. LTECH has the right to amend or adjust the terms of this warranty, and release in written form shall prevail.
- * This manual is subject to changes without further notice. Product functions depend on the goods. Please feel free to contact our official distributors if you have any question.