

Xiaolei

Motion Sensor

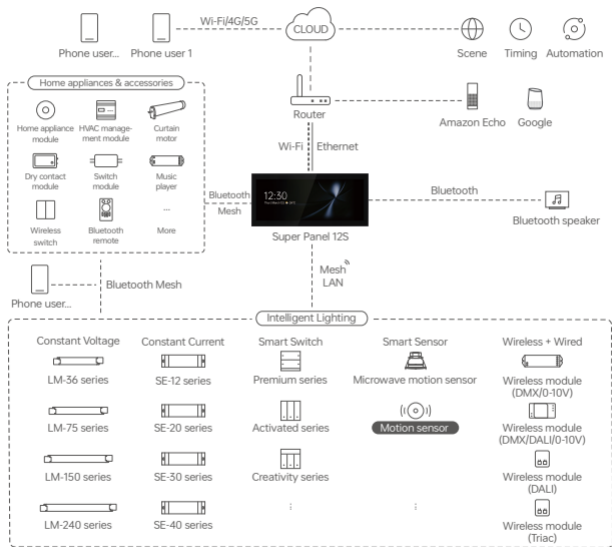
Model: HSD-BLE



Manual

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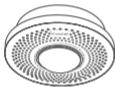
System Diagram



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



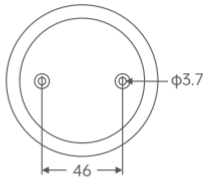
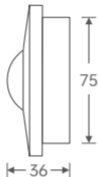
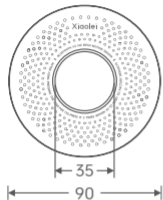
Manual×1

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.

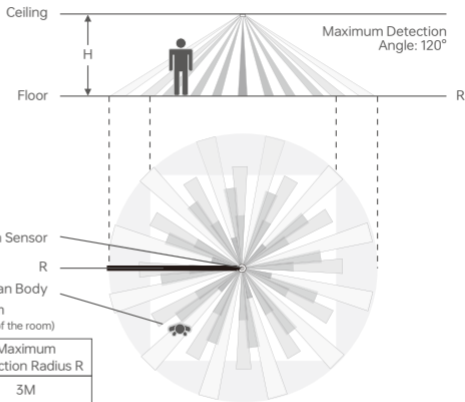


2. Replace the battery.



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

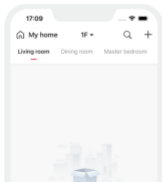
1. Register an account

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



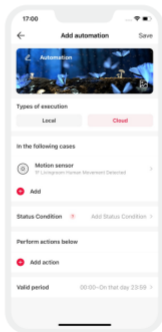
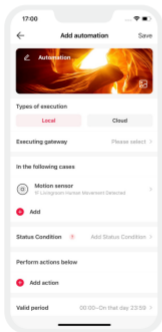
2. Configure

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.

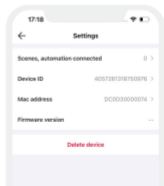
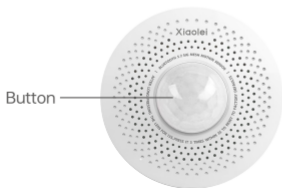


Factory Reset

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

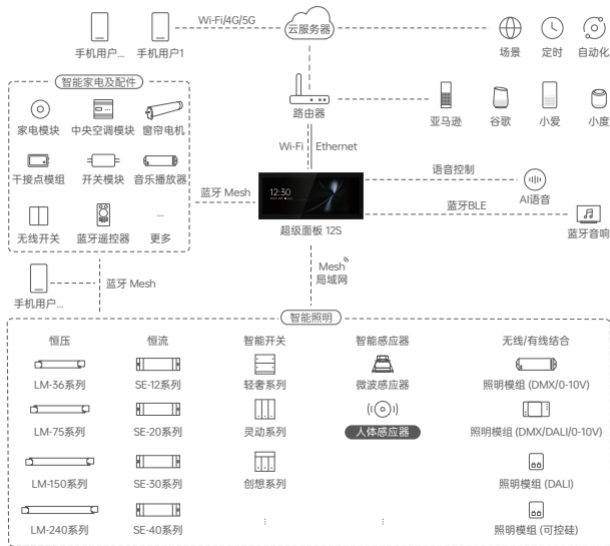
- Warranty periods from the date of delivery: 2 years.
- Free repair or replacement services for quality problems are provided within warranty periods.

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.

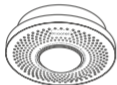
系统图



产品介绍

这款人体感应器搭载蓝牙 5.0 SIG Mesh 高可靠组网协议，精准感知人体移动与环境光照变化；支持 OTA 升级，长期易维护。搭配智能网关接入 APP，可灵活触发本地 / 云端自动化联动，全屋随心智能联动。

包装内容



人体感应器×1



锂电池×1



3M胶×1



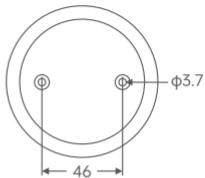
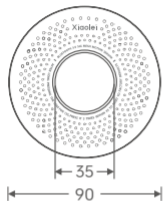
说明书×1

规格参数

产品型号	HSD-BLE
无线类型	Bluetooth 5.0 SIG Mesh
工作电压	3.0Vdc (锂电池CR123A)
安装高度	≤4米
探测角度	≤120度
工作温度	0°C~40°C
产品净重	115g
产品尺寸	90×90×36mm (L×W×H)

产品尺寸

单位: mm



更换电池



1.逆时针旋转拆下底盖。

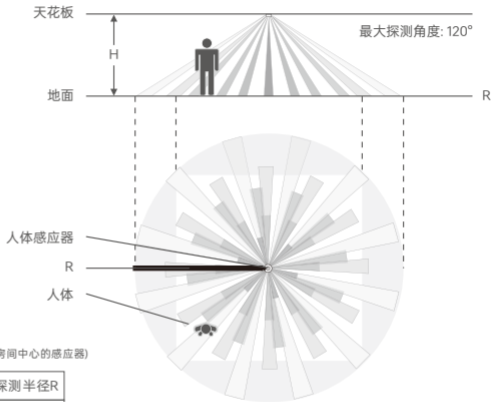


2.更换电池。



3.顺时针拧紧底盖。

感应角度与范围



天花板高度H	最大探测半径R
2.5米	3米
2.7米	3.5米
3米	4米
4米	5.5米

注: 可添加多个感应器来扩大覆盖范围, 具体请根据接收设备的规格来决定系统最多允许装几个感应器。

* 数据来源于实验室, 具体数据根据使用场景不同而存在差异, 请以实际使用情况为准。

安装方式 (温馨提示: 请先用APP配对完成后再安装)

方法一: 撕下背胶, 粘于墙上或桌子上。



方法二: 旋转拆开底盖, 用螺丝将底盖固定于墙上或桌子上, 再将感应器合上。



安装注意事项

安装时, 请参考P4“感应角度与范围”。

安装完毕后, 请按以下方法, 测试人与感应器之间是否正常响应: 请在触发感应器的理想位置挥一挥手, 查看感应器是否红灯闪烁; 否则, 调整位置后重新测试。

APP操作说明

1. 账号注册

通过手机扫描下载二维码，按提示完成APP安装后即可进行登录/注册操作。



扫码下载L-Home APP

2. 配网操作

新用户APP上创建家庭后，在“房间”界面点击右上角【+】进行添加，在添加设备列表中选择【感应器-人体感应器HSD-BLE】后，按照界面提示完成添加即可。



3. 自动化

确保家庭内已添加智能网关，如超级面板12S。

在“智能”界面中选择【自动化】，点击【+】创建自动化。可选择本地/云端执行方式，以及设置触发条件及执行动作，当满足已设置的触发条件时，自动触发一系列设备动作，实现远程联动。

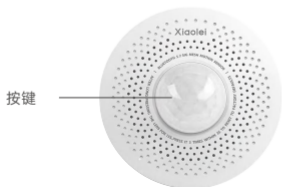


恢复出厂

方法一：长按感应器按键15秒，直至指示灯快闪后松开，3秒内短按旋钮3次，指示灯闪烁，即表示设备已恢复到出厂设置状态。

方法二：拆掉电池，等待 20 秒，按住感应器按键不放，装上电池，指示灯快闪烁5次，即表示设备已恢复到出厂设置状态。

方法三：打开L-Home APP，找到该设备并进入其设置页面，将手机连接蓝牙，并且设备在手机附近；在2秒内快速短按按键5次，指示灯闪烁3次，激活设备后，点击“删除设备”按钮。当界面提示“删除成功”时，即表示已恢复到出厂设置。



常见问题

设备一直搜索不到怎么办？

请检查以下选项：

- 确保设备正常通电，并且处于激活状态；
- 确保手机与设备两者尽量靠近，建议不超过15米；
- 确保设备未被添加过，如被添加过，请手动恢复出厂。

注意事项

- 请尽量在空间开阔的环境中使用本产品，请勿将感应器安装在金属表面、高柜子、架子、悬挂装置、吊扇等的后面或附近，且设备周围避免有金属遮挡物。由于感应器无法穿透玻璃物体，请勿将其安装在玻璃物体上，例如露台玻璃门或淋浴门。
- 高温物体和流动的气流会影响感应器的性能，降低感应器检测人体的灵敏度。为确保正常运行，应将感应器安装在距离空气调节系统通风孔和天花板线以下的卤素灯或白炽灯泡至少1.2m的地方。
- 发射射频(RF)能量的设备可能会影响感应器的性能。为确保正常运行，应将传感器安装在距离发射无线电波的设备(例如微波炉，无线路由器)至少1.2m的地方。
- 当需安装多个感应器时，请确保感应器与感应器之间的距离大于0.3m。
- 禁止灼烧，远离热源。
- 不能在潮湿环境中使用。
- 禁止私自拆卸产品，以免影响保修。
- 请勿打开、改动、修理或维护本产品，否则不予保修。

保修条例

- 自出厂之日起保修服务期为2年。
- 在保修服务期内出现产品质量问题雷特科技将给予免费修理或更换服务。

非保修条例:

属下列情况不在免费保修或更换服务范围之内:

- 已经超出保修服务期;
- 过高电压、超负载、操作不当等人为造成的损坏;
- 产品外形严重损坏或变形;
- 自然灾害以及人力不可抗拒原因造成的损坏;
- 产品保修标签和产品唯一条形码损坏;
- 无雷特科技签订的合同或发票凭证。

1. 修理或更换是雷特科技对客户唯一补救措施。雷特科技不承担任何附带引起的损害赔偿，除非在适用法律范围之内。
2. 雷特科技享有修正或调整本保修条款的权利，并以书面形式发布为准。

* 本说明书的内容如有变更,恕不另行通知。若内容与您使用的功能有所不同,则以实物为准。如有疑问,欢迎向我司授权的经销商咨询。