

70mm

40mm

Wireless Human Presence Sensor

Lafaer

LV801

Package Contents

• User Guide x 1

• Wireless Sensor x 1

• AA battery x 2 (Pre-installed)

• USB-C to USB-A power cable (2m) x 1

• AA battery x 2

matter

DISCOVER SOMETHING GREAT

Let's Get Started!

USB to USB-C Power Port

Indicator LED

Light Sensor

Widomount Battery

1. If the indicator LED is not flashing orange (quickly press and hold the button on the sensor for over 5 seconds to manually enter factory-recovery setup mode.

2. Setting up Matter connection

3. Set up your mobile device to connect the sensor by scanning the QR code on the first page of this quick manual. Then, follow the instructions provided in the app.

Pairing with Lafaer App

1. If the app, you can view the sensor's current status, adjust detection sensitivity, set to observe mode for self-inspection function, etc.

2. Press and hold the button on the sensor for 30 seconds and release.

3. When indicator LED flashes blue light, sensor is ready to pair.

4. Open the Lafaer app, select "Pair" on the home page, and follow the app's instructions to complete the process.

2. Placement

You can position the sensor on a flat surface after connecting the button (not up for self-inspection).

• **Wall mount:** Choose a clean, flat, dry, and sunny wall surface. Peel off the adhesive film on the wall mount, stick the wall mount to the wall, and press firmly to secure it.

• **Secure the sensor:** Align the QR code on the back of the sensor with the wall mount and lock it into place.

• **Adjust the sensor:** If the sensor is not fixed at a higher position, it is suggested to use the clear area of the person's visual location for optimal detection.

Matter Network Setup Code

This QR code is unique to your device. Please keep it safe, we recommend taking a picture for easy future reference.

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Matter Network Setup

1. Initial batteries or plug in the power cable.

2. Plug in the power cable.

3. Upon first powered, the sensor will enter Matter network setup mode, indicated by a rapidly flashing orange LED.

Indicator LED Pattern

Blue light flashing three times rapidly

Orange light flashing three times

Details

Successful network setup

Failed network setup

3. Battery full, move the sensor and your mobile phone closer to the gateway until it lights.

4. Please make sure you are using a gateway with Matter support and Thread border router functionality.

Pairing with Lafaer App

1. If the app, you can view the sensor's current status, adjust detection sensitivity, set to observe mode for self-inspection function, etc.

2. Press and hold the button on the sensor for 30 seconds and release.

3. When indicator LED flashes blue light, sensor is ready to pair.

4. Open the Lafaer app, select "Pair" on the home page, and follow the app's instructions to complete the process.

Application scenarios

Device detects moving subject

Device detects moving subject

• In a dark environment: Detects occupancy and turns on the lights. • In an unoccupied room: Detects occupancy and activates both the lights and the air conditioner. • When the room is unoccupied: Detects no occupancy and turns off the lights and air conditioner. Space Self-learning 1. Trigger the sensor: quickly press the button 5 times with a 1-second interval. 2. Wait for 30 seconds: After triggering, the sensor will wait for 30s. During this time, you need to: • Return the sensor to its original position. • Leave the room. 3. The sensor will automatically identify and eliminate interference sources in the environment within 10 seconds, completing the "empty room" self-learning process. ⚠️ If you accidentally operate the mode while the sensor is in self-learning, it may affect detection performance. ⚠️ When the sensor continuously moves while waiting for it to return to its original position, it will enter self-learning mode. Confirming Sensor Connectivity • Press the Button: Click the button on the sensor, and you will receive a response signal in the Matter Gateway App. Proceed to the "Confirming Sensor Connectivity" function in the Lafaer App after you add the sensor.	Indicator LED Status List <table><tr><th>Indicator LED Pattern</th><th>Status</th></tr><tr><td>Continuously flashing orange</td><td>Sensor is in Matter network setup mode; can be added by Matter Gateway or Thread border router.</td></tr><tr><td>Continuously flashing blue</td><td>Sensor is in Lafaer app pairing mode; can be added by Lafaer App.</td></tr><tr><td>White light flashing once</td><td>Occupancy detected, sensor battery is normal.</td></tr></table> Indicator LED Pattern <table><tr><th>Indicator LED Pattern</th><th>Status</th></tr><tr><td>Orange light flashing once</td><td>Occupancy detected, sensor battery is low, please replace batteries.</td></tr><tr><td>Continuously flashing white</td><td>Sensor is in self-learning status.</td></tr></table>	Indicator LED Pattern	Status	Continuously flashing orange	Sensor is in Matter network setup mode; can be added by Matter Gateway or Thread border router.	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Specifications <table><tr><th>Model</th><td>LV801</td></tr><tr><th>Power Input</th><td>12V/0.5A</td></tr><tr><th>Battery Type</th><td>AA Battery x2</td></tr><tr><th>Detection Angle</th><td>Approx. 120 degrees</td></tr><tr><th>Detection Range</th><td>5.5m Standard (1.5m talking)</td></tr><tr><th>Communication Protocol</th><td>Matter over Thread</td></tr><tr><th>Protocol Standard</th><td>IEEE 802.15.4, 2.4 GHz</td></tr><tr><th>Dimensions (L x W x H)</th><td>72 x 37 x 65 mm</td></tr><tr><th>Operating Temperature</th><td>-5° ~ 40°C</td></tr><tr><th>Protecting Class</th><td>IP65</td></tr></table> Certification CE Declaration of Conformity • Hong Kong GL Technology (Hong Kong) Limited declares that this product is in compliance with the general safety requirements of the relevant provisions of Directive 2014/53/EU and 2014/52/EU. A copy of this CE Declaration of Conformity (CoC) is available on our website. FCC Statement • To ensure continued compliance, any changes or modifications not expressly approved by the manufacturer may void the user's authority to operate this equipment. • This equipment 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, 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 environment. This equipment operates, uses and/or radiates 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 the use of this equipment will not cause interference. 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 take the following steps to resolve the interference: • 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. • The equipment complies with FCC Radiation exposure class B limits for uncontrolled environments. This equipment should be installed and operated with minimum distance 20cm between the equipment and your body.	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Ver.20250506

设计	GL·iNet		产品名称	说明书（用于人在传感器）
	深圳市广联智通科技有限公司		物料编码	
审核	单位/比例	尺寸	mm/1:1	
标准化	材质	80G书写纸/彩色印刷/风琴4折+对折/Lafaer		
批准	日期	Ver.20250506		