45mm

90mm

All-in-one Wireless Presence Sensor

LWR02

Package Contents

- User Guide **x 1**
- Presence Sensor **x 1**
- Magenatic wall mount **x 1**
- Adhesive wall mount pad **x 2**
- AAA batteries **x 2**

matter

BUILT ON THREAD RELIABLE BORDER ROUTER

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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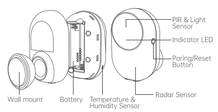
Let's Get Started!



Power up and setup Matter network

1. Install batteries:

a. Initial Setup: Upon first power-up, the sensor will enter Matter network setup mode, indicated by a rapidly flashing orange LED.

b. Manual Activation: If the indicator LED is not flashing orange rapidly, press and hold the button on the sensor for over 8 seconds to manually enter Matter network setup mode.

2. Setting up Matter connection:

a. Open your gateway app to connect the sensors by scanning the QR code on the sensor (or) on the last page of this user manual. Then, follow the instructions provided in the app.

OR

Indicator LED Pattern	Details
Blue light flashing three times rapidly	Successful network setup
Orange light flashing three times	Failed network setup

b. If setup fails, move the sensor and your mobile phone closer to the gateway and try again.

c. Please make sure you are using a gateway with Matter support and Thread Border Router functionality.

[Insert icon: Matter, Build on Thread, requires Border Router]

⚠ Please make sure you are using a gateway with Matter support and Thread Border Router functionality.

BUILT ON THREAD RELIABLE BORDER ROUTER

Pairing with Lafaer App

In the app, you can view the sensor's current status, adjust detection parameters, set to absence mode for self-learning function, etc.

1. Install Lafaer App. (**https://lsfaer.co/pages/app/**)

Download on the App Store

GET IT ON Google Play

2. Press and hold the button on the sensor for 2-8 seconds and release.
   a. When indicator LED flashes blue light, sensor is ready to pair.
3. Open the Lafaer app, select "Scan" on the home page, and follow the app instructions to complete the process.

⚠ To control the sensor with the Lafaer App, your phone, gateway, and sensor must be on the same network.

⚠ To preserve battery life over time, avoid staying in the app for extended periods, as this prevents the sensor from entering sleep mode.

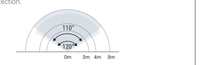
Installation

1. **Location:** For optimal performance, please ensure the sensor's front side faces the detection area. Recommend to install the sensor at a height of 1.5 meters above ground level. Ensure that no obstacles block the sensor's view of the detection area.

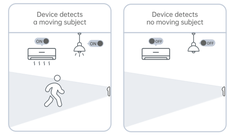
⚠ To avoid false alarms, refrain from placing the sensor near moving objects—such as wind-blown plants, curtains, or fans—and large reflective surfaces like metal or glass.

2. **Placement:** You can position the sensor on a flat surface after installing the batteries (or) opt for wall mounting.

- **Wall mount:** Choose a clean, flat, dust-free wall surface. Peel off the protective film on the wall mount, stick the wall mount to the wall, and press firmly to secure it.
- **Secure the sensor:** Align the slot on the back of the sensor with the wall mount and slide it into place.
- **Adjust the sensor:** If the sensor is installed at a higher position, tilt the sensor to face the chest area of the person's usual location for optimal detection.



Application scenarios



- **In a dark environment:** Detects occupancy and turns on the lights.
- **In an occupied 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:** rapidly press the button five times within a five-seconds 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.
   - The sensor will automatically identify and eliminate interference sources in the area over the next 120 seconds, completing the "empty room" self-learning process.

⚠ If you accidentally activate this mode while the sensor is in use, it may lead to detection performance issues.

⚠ When the sensor continuously flashes white, reset it to Absence Status to enable Self-Learning mode.

Confirming Sensor Connectivity

- **Press the Button:** Click the button on the sensor, and you will notice the brightness value in your Matter Gateway App increase by 1.
- **Check the Lafaer App:** You can use the "Identify" function in the Lafaer App after you add the sensor.

Indicator LED Status List

Indicator LED Patterns	Status
Continuously flashing Orange	Sensor is in Matter network setup mode, can be added by Matter Gateway or Thread Border Router
Continuously flashing Blue	Sensor is in Lafaer App pairing mode, can be added by Lafaer App
White light flashing once	Occupancy detected, sensor battery is normal.

Indicator LED Patterns	Status
Orange light flashing once	Occupancy detected, sensor battery is low, please replace batteries.
Continuously flashing White	Sensor is in self-learning status.

Specifications

Model	LWR02
Battery Type	AAA Battery x2
Detection Angle	Approx. 120 degree
Detection Range	4m(Stand still) / 8m (Moving)
Communication Protocol	Matter over Thread
Wireless Standard	IEEE 802.15.4, 2.4 GHz
Dimensions (L x W x H)	71 x 46 x 47 mm
Operating Temperature	0 ~ 40°C
Protecting Rating	IPX5

Certification

EU Declaration of Conformity

- Hereby, GL Technologies (Hong Kong) Limited declares that this product is in compliance with the essential requirements and other relevant provisions of Directive 2014/53 /EU and 2011/65/EU. A copy of the EU Declaration of Conformity (DoC) is available online at https://lafaer.co/pages/certificate

FCC Statement

- To assure continued compliance, any changes or modifications not expressly approved by the party. Responsible for compliance could 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 received, including interference that may cause unde-sired operation.

- Note: This equipment has been tested and found to comply with the limits for a Class B digital de-vice, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protec-tion 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 instruc-tions, 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 deter-mined by turning the equipment off and on, the user is encouraged to try to correct the interfer-ence 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 con-nected.
- Consult the dealer or an experienced radio/TV technician for help.

- The equipment complies with FCC Radiation exposure limits set forth for uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radia-tor and your body.

IC Statement

- This device complies with Industry Canada licence-exempt RSS standard(s).
- Operation is subject to the following two conditions: (1) This device may not cause interference, and (2) This device must accept any interference, including interference that may cause undesired operation of the device.
- Le présentappareilestconforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitationes-tautorisée aux deux conditions suivantes:
- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareildoit accepter tout brouillageradioélec-triquesubi, mêmesi le brouillageest susceptible d'encompromettre le fonctionnement.
- This equipment complies with IC RF radiation exposure limits set forth for an uncontrolled environ-ment.
- This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

- ce matériel est conforme aux limites d'exposition aux rayonnements rf de ic énoncés dans un autre environnement.
- ce matériel doit être installé et exploité à une distance minimale de 20 cm entre le radiateur et votre corps.

CE FC ROHS COMPLIANT

Ver.20260119

GL·iNet 深圳市广联智通科技有限公司		产品名称	说明书（用于人在传感器）
		物料编码	505-0419
设计	朱志豪	单位/比例	mm/1:1
审核	王伟东/朱哲宇	尺寸	单页70*90mm, 整体350*90mm
标准化	叶彩霞	材质	80G书写纸/彩色印刷/风琴4折+对折/Lafaer
批准	邓珊珊	日期	Ver.20260119