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WOOX R7046

WOOX R7046 Smart PIR Sensor User Manual

Model: R7046

Introduction

The WOOX R7046 Smart PIR Sensor is a battery-powered passive infrared (PIR) motion sensor designed for residential security, energy management, and home automation. It detects motion within its detection range and can trigger actions in compatible smart home systems. This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your R7046 sensor.



Image: The WOOX R7046 Smart PIR Sensor shown with its wall-mount bracket, ready for installation. This compact white device features a prominent detection lens on its front face.

Package Contents

- WOOX R7046 Smart PIR Sensor
- Wall Mount Bracket
- CR2 Battery (pre-installed or included)
- User Manual (this document)



Image: The retail packaging for the WOOX R7046 Smart PIR Sensor, displayed alongside the sensor itself. The box highlights key features and compatibility.

Specifications

Brand	WOOX
Model Number	R7046
Color	White
Power Source	Battery Powered
Battery Type	1 x CR2 Battery (included)

Item Weight	80 Grams (2.82 ounces)
Product Dimensions	3.94 x 1.97 x 3.94 inches
Maximum Detection Range	52 Meters
Mounting Type	Wall Mount
Compatible Devices	WOOX Zigbee Devices (Requires WOOX Zigbee Gateway)
Recommended Uses	Residential security, energy management, home automation

Setup and Installation

1. Battery Installation

1. Locate the battery compartment on the back of the sensor.
2. Open the compartment cover.
3. Insert the CR2 battery, ensuring correct polarity (+/-).
4. Close the battery compartment cover securely.

2. Pairing with WOOX Zigbee Gateway

The WOOX R7046 Smart PIR Sensor requires a WOOX Zigbee Gateway (sold separately) to function within your smart home system. Follow these steps to pair the sensor:

1. Ensure your WOOX Zigbee Gateway is powered on and connected to your home network.
2. Open the WOOX Home app on your smartphone or tablet.
3. Navigate to the gateway settings and select "Add Sub-device" or "Pair New Device".
4. Follow the on-screen instructions in the app. You may need to press a pairing button on the PIR sensor (refer to the sensor's specific pairing mode instructions, usually a small button inside the battery compartment or on the side).
5. The sensor's indicator light will typically flash during pairing and become solid once successfully connected.
6. Once paired, you can name the sensor and assign it to a specific room within the app.

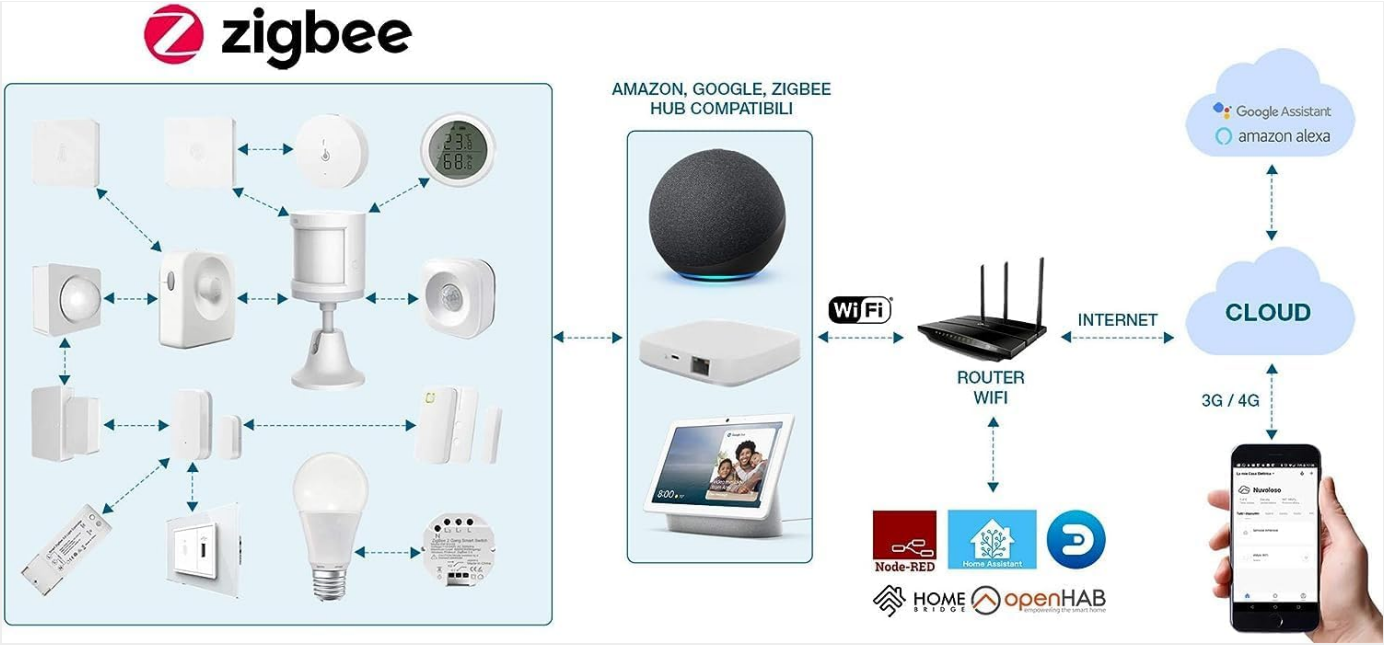


Image: The WOOX R7046 Smart PIR Sensor mounted on a wall, demonstrating its integration with a smart home system. A smartphone

displays a notification indicating detected movement, illustrating the sensor's real-time alert capability.

3. Mounting the Sensor

The R7046 sensor can be wall-mounted or placed on a flat surface using its included stand.

- **Wall Mounting:**
  a. Choose a location free from direct sunlight, heat sources, or strong air currents, which can cause false alarms.
  b. Mount the sensor at a height of approximately 2.2 to 2.5 meters (7.2 to 8.2 feet) for optimal detection.
  c. Use the provided screws and anchors to secure the wall mount bracket to the desired surface.
  d. Attach the sensor to the bracket by sliding it into place until it clicks securely.
- **Surface Placement:**
  a. Attach the sensor to its dedicated stand.
  b. Place the sensor on a stable, flat surface where it has an unobstructed view of the area you wish to monitor.



Image: The WOOX R7046 Smart PIR Sensor positioned on its included desk stand, demonstrating its versatility for placement on flat surfaces rather than permanent wall mounting.

Operating the Sensor

Motion Detection

The R7046 sensor uses passive infrared technology to detect changes in infrared radiation caused by moving objects (such as people or large pets). When motion is detected within its 52-meter range, the sensor will send a signal to your WOOX Zigbee Gateway.

App Integration and Automation

Through the WOOX Home app, you can:

- Receive real-time notifications on your smartphone when motion is detected.
- View the sensor's status (e.g., battery level, last detected motion).
- Create automation rules (scenes) to link the sensor with other WOOX smart devices. For example:
  - Turn on lights when motion is detected in a room.
  - Trigger an alarm siren if motion is detected while you are away.
  - Record video with a compatible smart camera upon motion detection.

Refer to the WOOX Home app's help section for detailed instructions on creating automation rules and managing devices.

Maintenance

Battery Replacement

The WOOX R7046 sensor is powered by a single CR2 battery. The WOOX Home app will notify you when the battery level is low. To replace the battery:

1. Carefully remove the sensor from its mounting bracket or stand.
2. Open the battery compartment cover.
3. Remove the old CR2 battery.
4. Insert a new CR2 battery, ensuring correct polarity.
5. Close the battery compartment cover.
6. Reattach the sensor to its mounting location.

Dispose of old batteries responsibly according to local regulations.

Cleaning

To maintain optimal performance, periodically clean the sensor's lens and body. Use a soft, dry, lint-free cloth. Do not use abrasive cleaners, solvents, or excessive moisture, as these can damage the device.

Troubleshooting

Problem	Possible Cause	Solution
Sensor not detecting motion.	• Low or dead battery. • Sensor out of range of Zigbee Gateway. • Obstruction in detection path. • Incorrect mounting height or angle. • False alarm prevention (cooldown period).	• Replace the CR2 battery. • Move sensor closer to the Zigbee Gateway. • Clear any objects blocking the sensor's view. • Adjust mounting height (2.2-2.5m) and angle for optimal coverage. • Wait for the sensor's cooldown period (typically 1-2 minutes after detection) before expecting another trigger.

Sensor not pairing with Gateway.	• Gateway not in pairing mode. • Sensor too far from Gateway. • Battery low. • Interference.	• Ensure Gateway is in pairing mode via the WOOX Home app. • Bring sensor closer to the Gateway during pairing. • Replace battery. • Minimize other wireless device interference during pairing.
Frequent false alarms.	• Direct sunlight or heat sources. • Air currents (e.g., from vents, open windows). • Pets or small animals.	• Relocate sensor away from direct sunlight, heating/cooling vents, or radiators. • Consider mounting the sensor higher or in a location less prone to pet movement if applicable.

Important Safety Information

- Do not disassemble or modify the device.
- Keep the device away from water and high humidity.
- Avoid exposing the device to extreme temperatures.
- Use only the specified battery type (CR2).
- Keep batteries out of reach of children.

Warranty and Support

WOOX provides a limited warranty for this product. For detailed warranty terms and conditions, please refer to the warranty information provided with your purchase or visit the official WOOX website.
For technical support, troubleshooting assistance, or further inquiries, please contact WOOX customer service through their official website or the contact information provided in the WOOX Home app.

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