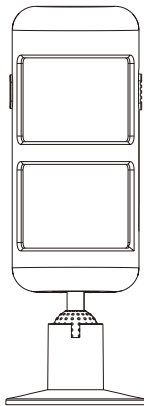


Pet-Immune PIR Detector

User Manual

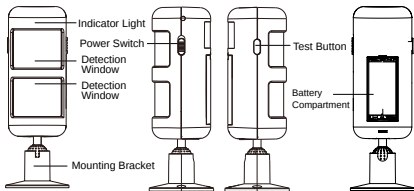


Before using this device, carefully read and understand all contents of this manual. Incorrect installation or use may lead to device malfunction, false alarms, or failure to provide effective protection. Retain this manual for future reference. Images are for reference only; actual product features and appearance may vary.

I. Product Overview

This product employs two infrared detection sensors, effectively resolving the issue of false alarms caused by small pets. Simultaneously, it utilizes the operating principle of dual infrared signal symmetry to significantly enhance product stability. To ensure optimal performance, we strongly recommend users thoroughly review the product instruction manual.

1.1 Product Components Description



- **Indicator Light:** Displays the operating status of the detector.
- **Detection Window:** Receives human infrared radiation for PIR detection.
- **Mounting Bracket:** Used for installing the detector.
- **Test Button:** For device testing and pairing operations.
- **Power Switch:** Turns the detector ON/OFF.
- **Battery Compartment:** Holds 2×AAA batteries.

1.2 Visual Indicators

Status	LED Indication
Power On	Red LED blinks 2 times
Test Alarm Triggered	Red LED blinks 1 time
Infrared Alarm Triggered	Red LED blinks 1 time
Low Battery	Red LED blinks 3 times

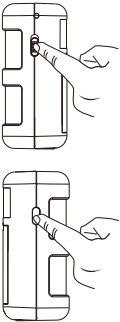
II. Technical Specifications

Operating Voltage	DC 3V (2×1.5V AAA batteries)
Standby Current	< 20 μ A
Alarm Current	< 25 mA
Detection Range	8–12 m
Detection Angle	110°
Transmission Freq.	433.92MHz (ASK)
Wireless Range	> 100 m (open area)
Operating Environment	-20°C–55°C, <95%RH
Mounting Height	1.8 m ~ 2.2 m
Pet Immunity	≤25kg (55lbs)

III. Using the Infrared Detector

- ① **Powering On the Device**
- Slide the detector's Power Switch to ON.
 - **Normal Response:** Red LED blinks twice, confirming operational status.
 - **No Response?** Open the Battery Compartment and replace with new batteries.

- ② **Testing the Alarm**
- Briefly press the Test Button once.
 - **Normal Response:** Red LED blinks once, indicating proper function.
 - **No Response?** Open the Battery Compartment and replace with new batteries.



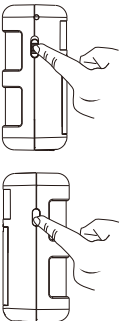
II. Technical Specifications

Operating Voltage	DC 3V (2×1.5V AAA batteries)
Standby Current	< 20 μ A
Alarm Current	< 25 mA
Detection Range	8–12 m
Detection Angle	110°
Transmission Freq.	433.92MHz (ASK)
Wireless Range	> 100 m (open area)
Operating Environment	-20°C–55°C, <95%RH
Mounting Height	1.8 m ~ 2.2 m
Pet Immunity	≤25kg (55lbs)

III. Using the Infrared Detector

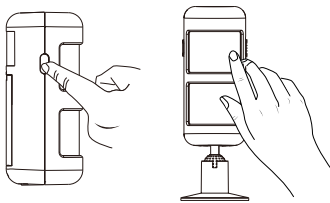
- ① **Powering On the Device**
- Slide the detector's Power Switch to ON.
 - **Normal Response:** Red LED blinks twice, confirming operational status.
 - **No Response?** Open the Battery Compartment and replace with new batteries.

- ② **Testing the Alarm**
- Briefly press the Test Button once.
 - **Normal Response:** Red LED blinks once, indicating proper function.
 - **No Response?** Open the Battery Compartment and replace with new batteries.



IV. Pairing with Alarm Control Panel

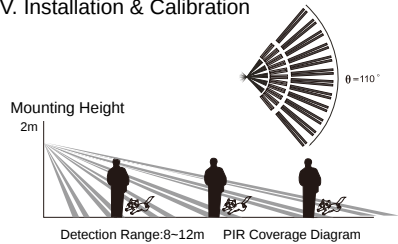
- ① Follow the Alarm Control Panel User Manual to activate its Learning Mode for detectors.
- ② Place the detector near the control panel. Press the Test Button or trigger motion directly in front of the detector to transmit the pairing signal.
- ③ The detector and control panel will pair successfully.



NOTE:

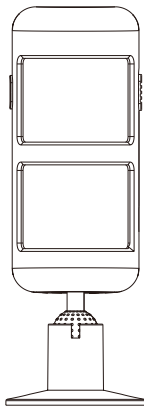
- If the alarm control panel fails to pair with the detector within 20 seconds, it will automatically exit pairing mode.
- Should pairing fail, repeat steps ① to ③ to retry the process.

V. Installation & Calibration



Pet-Immune PIR Detector

User Manual

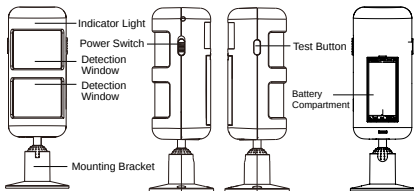


Before using this device, carefully read and understand all contents of this manual. Incorrect installation or use may lead to device malfunction, false alarms, or failure to provide effective protection. Retain this manual for future reference. Images are for reference only; actual product features and appearance may vary.

I. Product Overview

This product employs two infrared detection sensors, effectively resolving the issue of false alarms caused by small pets. Simultaneously, it utilizes the operating principle of dual infrared signal symmetry to significantly enhance product stability. To ensure optimal performance, we strongly recommend users thoroughly review the product instruction manual.

1.1 Product Components Description



- **Indicator Light:** Displays the operating status of the detector.
- **Detection Window:** Receives human infrared radiation for PIR detection.
- **Mounting Bracket:** Used for installing the detector.
- **Test Button:** For device testing and pairing operations.
- **Power Switch:** Turns the detector ON/OFF.
- **Battery Compartment:** Holds 2×AAA batteries.

1.2 Visual Indicators

Status	LED Indication
Power On	Red LED blinks 2 times
Test Alarm Triggered	Red LED blinks 1 time
Infrared Alarm Triggered	Red LED blinks 1 time
Low Battery	Red LED blinks 3 times

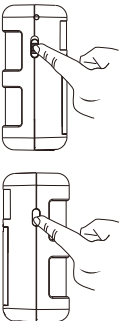
II. Technical Specifications

Operating Voltage	DC 3V (2×1.5V AAA batteries)
Standby Current	< 20 μ A
Alarm Current	< 25 mA
Detection Range	8–12 m
Detection Angle	110°
Transmission Freq.	433.92MHz (ASK)
Wireless Range	> 100 m (open area)
Operating Environment	-20°C–55°C, <95%RH
Mounting Height	1.8 m ~ 2.2 m
Pet Immunity	≤25kg (55lbs)

III. Using the Infrared Detector

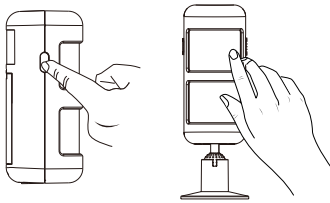
- ① **Powering On the Device**
- Slide the detector's Power Switch to ON.
 - **Normal Response:** Red LED blinks twice, confirming operational status.
 - **No Response?** Open the Battery Compartment and replace with new batteries.

- ② **Testing the Alarm**
- Briefly press the Test Button once.
 - **Normal Response:** Red LED blinks once, indicating proper function.
 - **No Response?** Open the Battery Compartment and replace with new batteries.



IV. Pairing with Alarm Control Panel

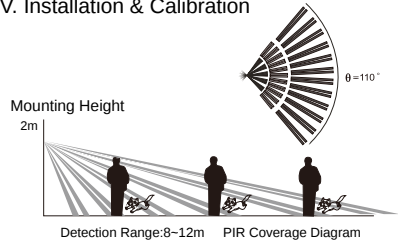
- ① Follow the Alarm Control Panel User Manual to activate its Learning Mode for detectors.
- ② Place the detector near the control panel. Press the Test Button or trigger motion directly in front of the detector to transmit the pairing signal.
- ③ The detector and control panel will pair successfully.



NOTE:

- If the alarm control panel fails to pair with the detector within 20 seconds, it will automatically exit pairing mode.
- Should pairing fail, repeat steps ① to ③ to retry the process.

V. Installation & Calibration



1. Installation Requirements

1.1 Optimal Motion Detection

Infrared detection sensitivity is highest when detecting lateral movement relative to the sensor lens, while axial movement (approaching/receding) yields reduced sensitivity. Select installation locations accordingly.

1.2 Mounting Height

Installation height critically impacts both coverage range and pet-immunity functionality. Recommended height: Approximately 2 meters. (Fig. 1)

1.3 The detector should be avoided being directly facing the sun, roads with heavy vehicle traffic, or other similar places. (Fig. 2)

1.4 Within the protection range of the detector, there should be no obstacles such as clothes or trees in its direct line of sight. (Fig. 3)

1.5 The detector should not be directed at objects with reflective properties such as metal walls or glass. (Fig. 4)

1.6 The wall where the detector is installed should be stable without shaking, and the installed detector should not wobble.

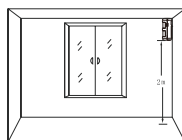


Fig. 1

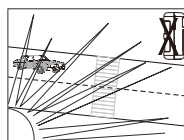


Fig. 2



Fig. 3



Fig. 4

2. Installation & Calibration

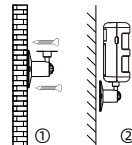
2.1 Recommended Locations

Install in vulnerable entry points:



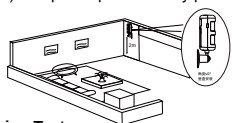
2.2 Mounting Procedure

- Secure the mounting bracket at ~2m height using self-tapping screws.
- Align the detector's grooves with the bracket and snap into place.



2.3 Angle Adjustment

Maintain vertical installation (detector-to-bracket angle $\leq 0^\circ$) for optimal pet-immunity performance.



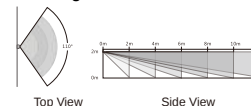
2.4 Walking Test

- 1) Turn on the power switch on the side of the detector. The red LED will flash twice and then turn off, indicating that it has entered the detection state.
- 2) When a person moves horizontally at a normal walking speed (0.7m/s) within the detection area, 8 meters away from the detector, an alarm should be triggered within 8 meters (i.e., the alarm indicator light turns on), which means the installation is normal. If not, you must adjust the vertical angle of the detector and perform debugging according to the above test method until the test result is normal.

Note: The horizontal direction is mainly used to adjust the detection area, while the vertical direction is mainly used to adjust the sensitivity and detection distance. It is recommended to perform a walking test every 3 months.



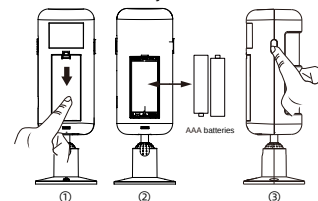
2.5 Detection Range



VI. Battery Replacement

When the battery power is low, the red LED of the detector will flash quickly three times and send a low-battery alarm to your alarm control panel to remind you to replace the battery. How to replace the battery:

- ① Remove the back cover and open the battery compartment.
- ② Take out the old batteries and replace them with new ones of the same type (2 AAA batteries).
- ③ Close the battery compartment cover and test whether the detector works normally.



VII. Maintenance

1. Do not touch the surface of the infrared sensor or the filter lens with hands or other objects, as this may affect the sensitivity of the detector. If it is necessary to clean the sensor or filter lens, disconnect the power first and wipe them with a dust-free cloth dipped in a small amount of alcohol.
2. Regular walking tests should be conducted on the detector. Warning: As a high-tech product, this detector can effectively reduce the occurrence of theft incidents, but it cannot guarantee absolute safety. For your safety, in addition to using this product correctly, you should also stay alert in daily life and strengthen your safety awareness.

VIII. Troubleshooting

Problem	Cause	Solution
Power ON the device with no response.	Battery depletion or incorrect installation detected.	Reinstall existing batteries or replace with new ones.
The device does not respond when the Test button is pressed.	The batteries have run out.	Replace the batteries.
A false alarm Occurs.	Incorrect installation.	Adjust the installation location and mounting angle.
The red LED blinks periodically three times.	The battery level is low.	Replace the batteries.
Reduced wireless range	The battery level is low.	Replace the batteries.

Environmental Protection

 Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with Local Authority or retailer for recycling advice.

1. Installation Requirements

1.1 Optimal Motion Detection

Infrared detection sensitivity is highest when detecting lateral movement relative to the sensor lens, while axial movement (approaching/receding) yields reduced sensitivity. Select installation locations accordingly.

1.2 Mounting Height

Installation height critically impacts both coverage range and pet-immunity functionality. Recommended height: Approximately 2 meters. (Fig. 1)

1.3 The detector should be avoided being directly facing the sun, roads with heavy vehicle traffic, or other similar places. (Fig. 2)

1.4 Within the protection range of the detector, there should be no obstacles such as clothes or trees in its direct line of sight. (Fig. 3)

1.5 The detector should not be directed at objects with reflective properties such as metal walls or glass. (Fig. 4)

1.6 The wall where the detector is installed should be stable without shaking, and the installed detector should not wobble.

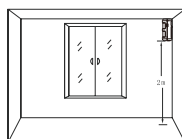


Fig. 1

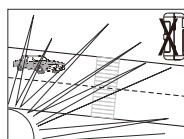


Fig. 2



Fig. 3



Fig. 4

2. Installation & Calibration

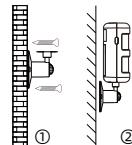
2.1 Recommended Locations

Install in vulnerable entry points:



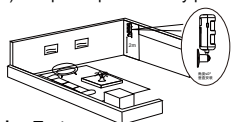
2.2 Mounting Procedure

- Secure the mounting bracket at ~2m height using self-tapping screws.
- Align the detector's grooves with the bracket and snap into place.



2.3 Angle Adjustment

Maintain vertical installation (detector-to-bracket angle $\leq 0^\circ$) for optimal pet-immunity performance.



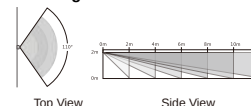
2.4 Walking Test

- 1) Turn on the power switch on the side of the detector. The red LED will flash twice and then turn off, indicating that it has entered the detection state.
- 2) When a person moves horizontally at a normal walking speed (0.7m/s) within the detection area, 8 meters away from the detector, an alarm should be triggered within 8 meters (i.e., the alarm indicator light turns on), which means the installation is normal. If not, you must adjust the vertical angle of the detector and perform debugging according to the above test method until the test result is normal.

Note: The horizontal direction is mainly used to adjust the detection area, while the vertical direction is mainly used to adjust the sensitivity and detection distance. It is recommended to perform a walking test every 3 months.



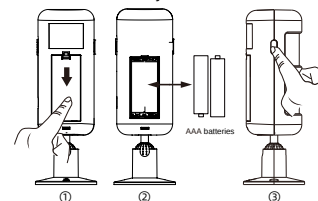
2.5 Detection Range



VI. Battery Replacement

When the battery power is low, the red LED of the detector will flash quickly three times and send a low-battery alarm to your alarm control panel to remind you to replace the battery. How to replace the battery:

- ① Remove the back cover and open the battery compartment.
- ② Take out the old batteries and replace them with new ones of the same type (2 AAA batteries).
- ③ Close the battery compartment cover and test whether the detector works normally.



VII. Maintenance

1. Do not touch the surface of the infrared sensor or the filter lens with hands or other objects, as this may affect the sensitivity of the detector. If it is necessary to clean the sensor or filter lens, disconnect the power first and wipe them with a dust-free cloth dipped in a small amount of alcohol.
2. Regular walking tests should be conducted on the detector. Warning: As a high-tech product, this detector can effectively reduce the occurrence of theft incidents, but it cannot guarantee absolute safety. For your safety, in addition to using this product correctly, you should also stay alert in daily life and strengthen your safety awareness.

VIII. Troubleshooting

Problem	Cause	Solution
Power ON the device with no response.	Battery depletion or incorrect installation detected.	Reinstall existing batteries or replace with new ones.
The device does not respond when the Test button is pressed.	The batteries have run out.	Replace the batteries.
A false alarm Occurs.	Incorrect installation.	Adjust the installation location and mounting angle.
The red LED blinks periodically three times.	The battery level is low.	Replace the batteries.
Reduced wireless range	The battery level is low.	Replace the batteries.

Environmental Protection

 Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with Local Authority or retailer for recycling advice.

§ 15.19 Labelling requirements.

This device 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 undesired operation.

§ 15.21 Information to user.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

§ 15.105 Information to the user.

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 installation. This equipment generates uses and can radiate 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 interference will not occur in a particular installation. 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 try to correct the interference 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 connected.
- Consult the dealer or an experienced radio/TV technician for help.