

# Solar-Powered Voice Outdoor PIR Detector ( record ) Installation Guide

## General Introduction On Outdoor Application

This detector is remarkable in function, but the following notices can make it more stable if installer can pay attention to them:

### SUNSHINE

Direct or reflective sun light is no good for detector operation, try to avoid them during installation. Our outdoor PIR adopts double-layer red screen light sensing system, which is very effective for screening of interfering light.

### TREES

Trees in detection range may wave in wind and cause false alarm, especially for those detectors operating in horizontal fan area, so keep cutting on trees.

### RAIN

Sudden rain storm can cool the hot pitch road or surface of other roads quickly. And all detectors can detect rain in the sky, but detector with down view window can even detect water on ground, which will bring much more interference to detectors outdoor than that mounted on wall, so everything will lower its temperature similar to water, human body or cars after pouring from rain can offer very little temperature gap for detection, so sensitivity will be lowered a lot.

### INSECTS

Insects will trigger false alarm when they climb into detector, while those staying away from detectors can't trigger alarm. If there is interference from insects, please re-install detector or use insecticide. And please adopt strictly sealed components on those drilled holes or glass glue around detector.

### CAR

Moving car in detection range may trigger false alarm to detector.

### DIRT ON LENS

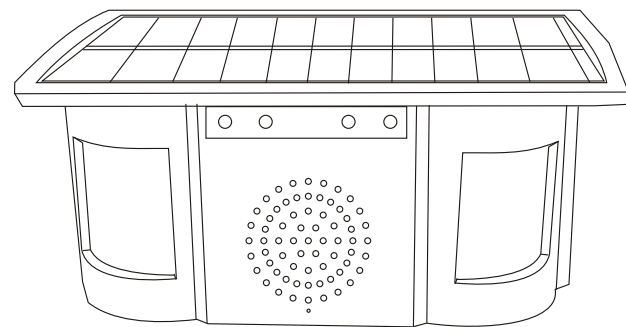
Lens becomes easily dirty when used outdoor, so please check the lens from time to time in order to avoid alarm miss caused by low sensitivity from dirty lens.

### UNSTABLE INSTALLATION BASE

Detector will trigger false alarm easily if installation base can be interfered by vibration, this is the reason why some detectors installed near to street can cause false alarm easily.

## Introduction on Products

This is a good performance with solar energy charging technology for outdoor passive dual infrared detection voice reminder. Adopts two side-by-side passive infrared window design, the detection coverage Angle is as high as 170°, the detection range is wide, the detection dead Angle is small, the completely sealed plastic structure design, can avoid sunlight, rain, dust, insects, typhoon and other outdoor common interference factors that are not conducive to the installation of passive infrared detector. The product also adopts the following advanced technologies: high speed compensation, anti-pet treatment in both hardware and software, multi-infrared channel white light signal filtering measures, surface patch mounting technology design, etc. It can be applied to outdoor green-way, forest park, construction site, high voltage pylon, mixed intersection, warehouse, oil depot, wharf and other places that need voice prompt.

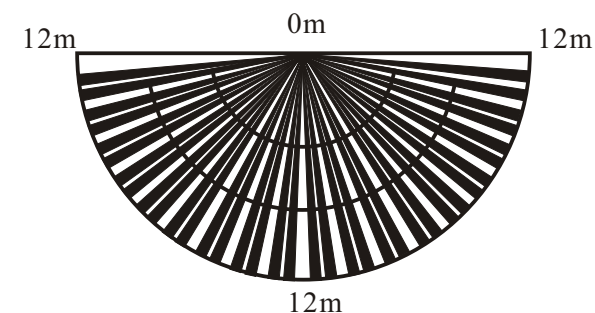


## Main Function

- Two-unit passive infrared detection technology, the detection range is about 180°
- Using intelligent processing technology, comprehensive analysis and processing of various false alarm factors
- 15s of self-recording, convenient for customers to flexibly change voice when using
- Professional waterproof design, applicable to any outdoor occasion
- Digital analysis anti-pet technology
- Single crystalline silicon solar charging technology
- High-quality large-capacity lithium battery
- Red and blue high-brightness flashing lights, with reminding and deterring effect
- Unique full range temperature compensation technology
- Resistant to strong electromagnetic radiation interference
- Can remotely arm and disarm (some models)
- Can be linked to other wireless detection equipment (some models)
- Connect to universal metal brackets available on the market

## Technical Parameter

Power	4.2V Lithium battery
Current	<40uA@(stand by)//3mA@remote
Charge mode	Solar-powered Or USB 5V
Detection range	12m 170°
Mount height	1.5m.-2.2m
Recording time	15s Max
Anti EMI	>30V/m 500MHz
Voice	>90dB@30cm
Flash	Red-Blue flash
Frequencies	433MHz (some models)
Detection speed	0.2m/s to 3.5m/s
Temperature	-30°C/+50°C
Humidity	5%-95% (RH)
Anti white light	>10000LUX
Pet immunity	25Kg
IP Grade	Ip65
Size	176mm×100mm×95mm



Top view

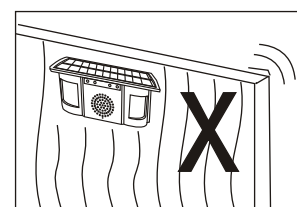


Wide angle lens

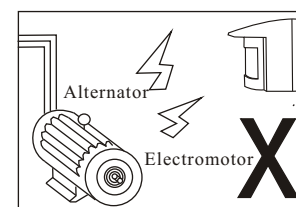
## Installation Guide

### Installation guide

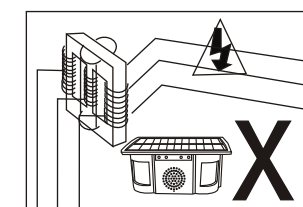
Select most suitable installation point fit for PIR detection, put detector onto proper position, keep away from door, window, running machine or heat source.



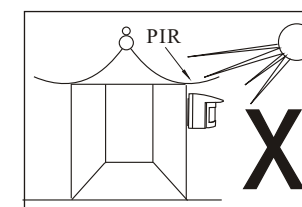
Installation base should be stable



Keep away from strong EMI interference



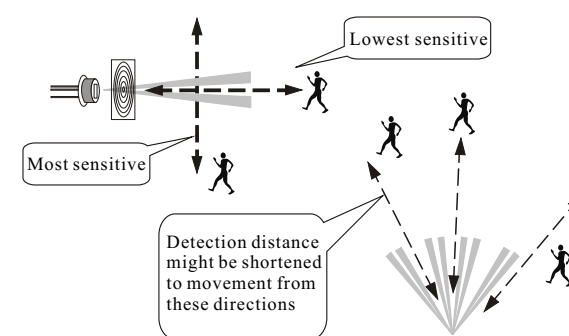
Keep away from high-pressure cable



Unable to charge

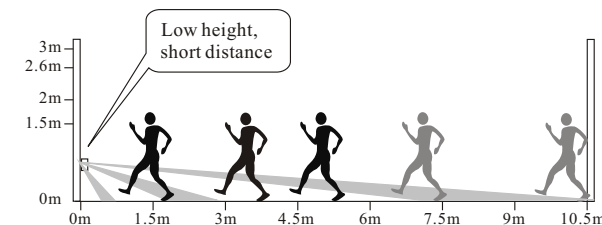
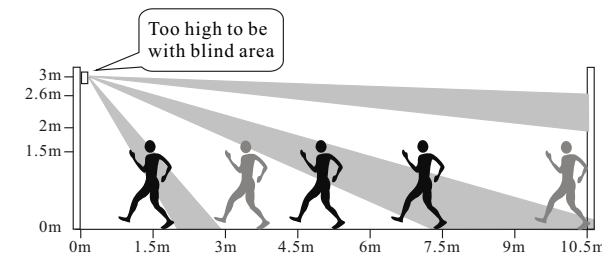
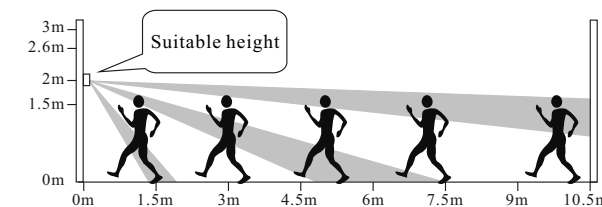
### On installation angle

Detection is with mechanical difference to intrusion angles



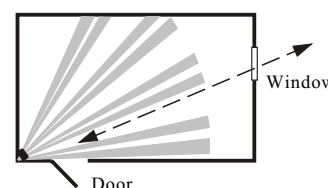
### On installation height

Recommended installation height is 1.5-2.2m



### On installation position

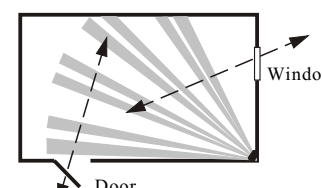
Unreasonable installation position



Detection is not sensitive to intrusion from window in this way



Best installation

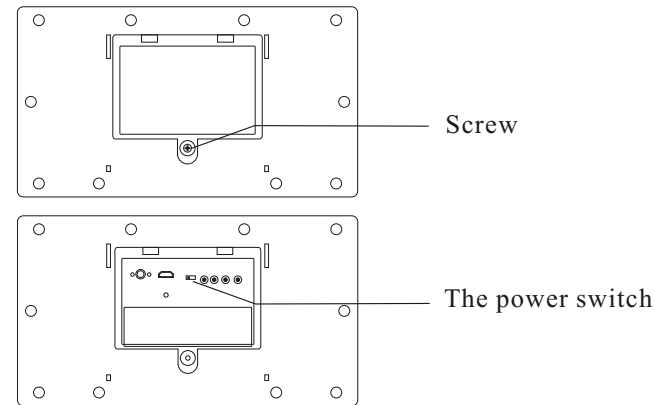
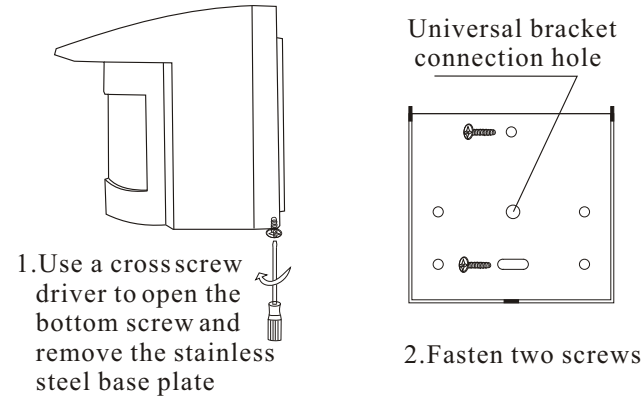


Detector is sensitive to intrusion from door and windows in this way

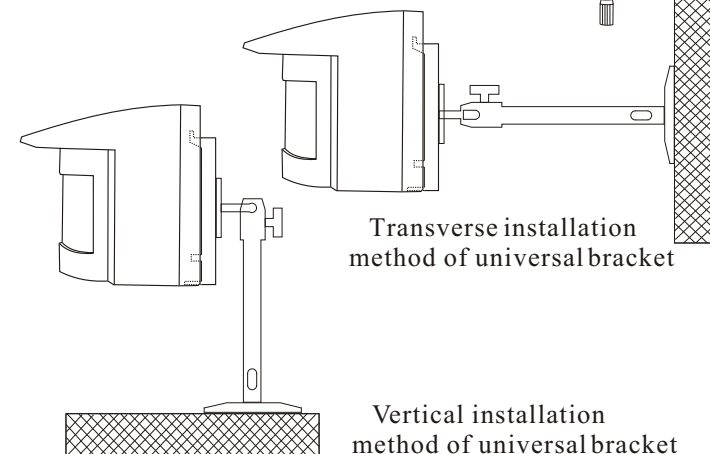
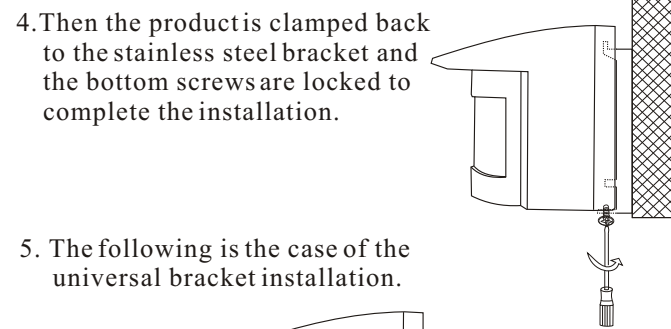


## Installation & Bracket

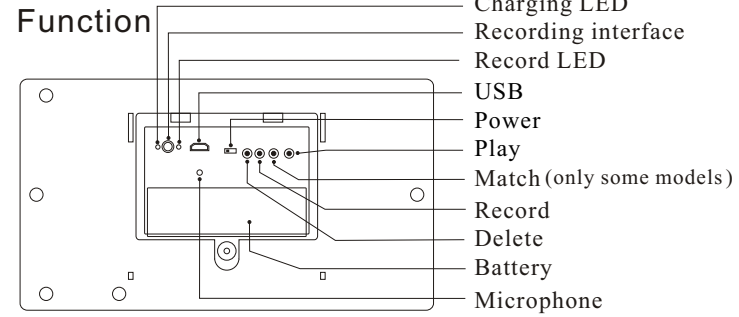
Install the solar passive infra red detection voice prompter in the required location. Please pay attention to the sunlight that can be exposed to more than 3 hours per day at the installation point. The installation height of the product is between 1.5-2.2 meters. Make sure there is no source of interference nearby and that there is one 180° directly in front of the product wide view. remove the mounting stainless steel base plate from the product, then punch 2 plastic plugs into the mounting wall according to the holes in the stainless steel base plate On, and then use two screws to fix the stainless steel bottom plate.



3. Unscrew the back screw, open the battery box panel, and then turn on the power switch can be installed back to the battery back.



## Settings



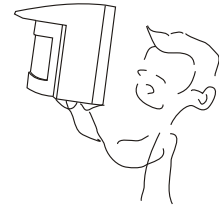
### Turn on the power

After the power switch is turned on, the red and blue LED flashes for about 30 seconds, and then the product enters the standby detection state.

Voice recording can be performed in 2 ways.

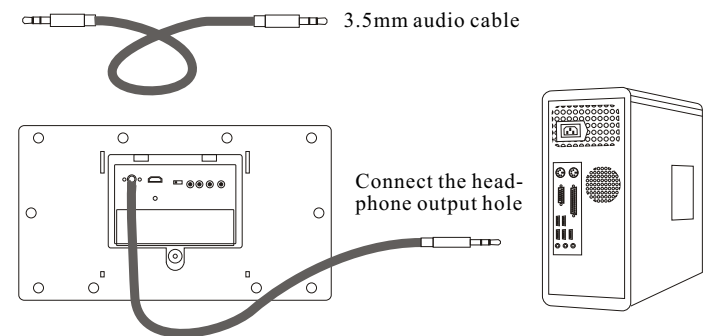
### Built-in microphone recording

Before recording, press the **delete key** once (after deleting, it will sound "bibi" twice), then hold down the **recording key**, and play the voice on the computer after the sound of "bi", and press as long as the voice is long, and sound "bibi" twice when the recording is finished. After the Play recording is finished, you can tap the **play key** once and listen to the recording effect. If you are not satisfied, you can delete the recording repeatedly until you are satisfied.



⚠ When recording, the distance between the mouth and the microphone head is controlled within 5 cm, the recording effect will be better.

### Use computer playback while recording



According to the figure, use 3.5mm audio cable to connect both ends of the alarm and computer; Before recording, press the **delete key** once (after deleting, it will sound "bibi" twice), then hold down the **recording key**, and play the voice on the computer after the sound of "bi", and press as long as the voice is long, and sound "bibi" twice when the recording is finished. After the Play recording is finished, you can tap the **play key** once and listen to the recording effect. If you are not satisfied, you can delete the recording repeatedly until you are satisfied.

When the audio cable is inserted into the detector input hole, the microphone head automatically fails.

⚠ When recording by computer or mobile phone, the output volume of the computer should be adjusted appropriately to obtain the best recording effect.

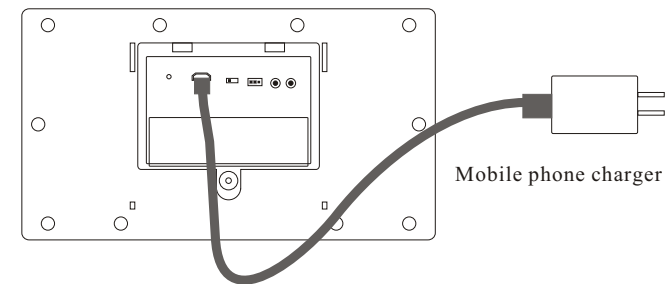
## Wireless code matching (only some models have this function)

Short press this button 4 times, the system will enter the code mode (blue flashing light is always on), at this time, trigger a remote control or other wireless detector (must be the same product of our company), you can automatically match the code, the system issued "Coding succeed", after matching, you can normal remote control and trigger.

If you hold the button for more than five seconds, the system will automatically delete all matched remote controls and detectors and issue a "Deleting succeed." After the remote control is matched successfully, the product can be remote-controlled cloth and disarm. Press "ARM" button, the product will issue "System armed"; Press "DISARM" button, the product will say "System disarmed".

## Low voltage warning

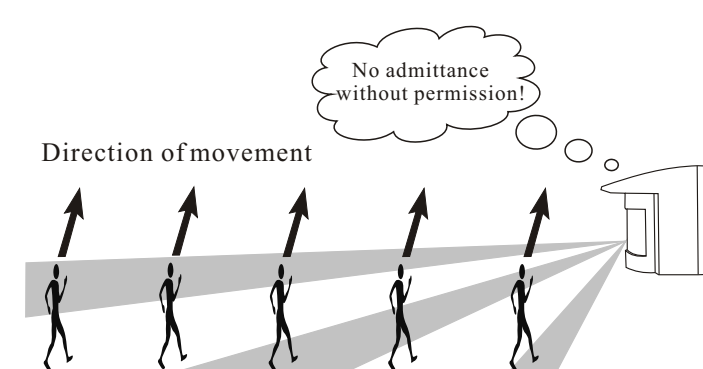
As long as the product is installed in can maintain the position of the sun light more than 3 hours a day, can be normal use, if the product the battery voltage is lower than 3.3 V, the system sends out of "low voltage, please charge in time" prompt voice, at this time, it is necessary to put the product to be removed, USB charging line, mobile phone charging extra for products, charging time about 3 hours.



Using USB data line charging mode

## Walking test

Hang the product back to the stainless steel base plate, and locking screws at the bottom, you can do in front of the detector check PIR (passive infrared detector) performance of lateral movement, when the tester before product moves, red and blue high brightness LEDs cycle of shiny 8 seconds and a voice prompt out means that has been triggered alarm, through test on foot, Can determine the detection range of PIR (passive infrared detector), PIR (passive infrared detector) is transverse to the passive infrared detector at the highest sensitivity of motion. (In the detection area, repeated walking tests were carried out to more accurately adjust the detection area of the passive infrared detector).

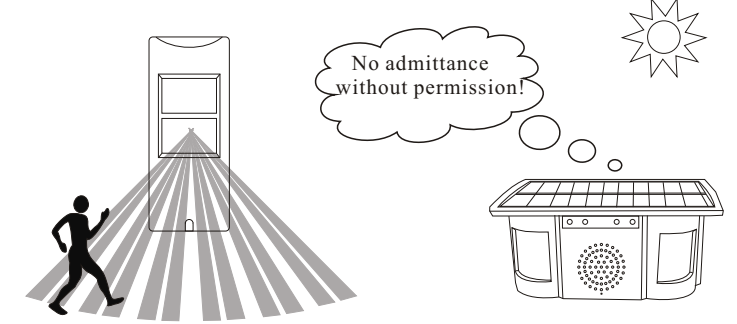


⚠ If the product is not used for a long time, it is also necessary to charge the product once every 3 months with a mobile phone charger.

## Attentions

Even the most advanced passive infrared detectors can be malicious damage, or charging poor conditions, charging time is not enough, being malicious shielding lens, damage optical system, or when the environment temperature close to the body temperature, will fall in sensitivity, these are the most common fault reason, it is recommended that each month check the passive infrared voice reminders, To make sure they work properly.

## Wireless alarm linkage mode (only some models have this function)



This product can be linked with 8 remote controls or wireless detectors (the products provided by our company are required), which can be conveniently and flexibly applied to various places to play the role of early warning and alarm.

## Wireless data format (only some models have this feature)

When the product alarms, it can provide alarm signals to the alarm host or other receiving devices by wireless way. These information are: alarm code, battery low voltage code, etc.

## Size

