

WIFI Solar Power PIR and Microwave Alarm User Manual V 2.0



Tuya smart app

Search Tuya in the APP store and download it to use it

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1.Product Overview

This product is a new generation of intelligent WIFI solar panel infrared and microwave alarm built by our excellent design team. The style of the alarm is modern and simple which is in line with the aesthetics of modern people, and can be integrated into the modern home environment. The built-in large curvature lens design makes its detection more accurate and the false alarm rate is lower. It can detect thieves from a long distance and alarm quickly. Adopting The music IC and the 40mm wide-band loudspeaker which make the sound is clear and pleasant. Loud without distortion. It uses the built-in physical buttons to adjust the ringtone and volume, and you can better experience the interactive design.

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2. Product picture



Solar panel  
Installation bracket  
Detection sensor  
60mm  
68mm  
130mm  
Volume/pairing  
Ringtone  
Magnetic charging interface  
Power switch  
LED  
45mm

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3.Parameter

- Working voltage: 5V/1A
- Built-in battery: 3.7V 1000mAH
- Solar panel max. charging current : 70mA
- Detection range: 6-8m (affected by temperature)
- Installation height: 1.3-1.8m
- Standby current: ≤ 0.1mA
- Volume: 120db max. (adjustable)
- Ringtone: 39
- Detection angle: 140 degree
- Working environment: -15℃ -- 50℃
- Device status: It shows offline after disconnection from network for 24 hours
- Size: 60mm\*68mm\*130mm

4.Installation Operation

- Download "Tuya smart" app in the app store. Install and open it, and then begin to add the device.
- Open the Bluetooth and location of your phone, make sure your router is working -- open the APP click add device -- auto search device nearby -- Power the device on -- long press pairing key for 6-12 seconds until its red led blinks rapidly -- find the device -- add the device -- Input WiFi password (this step may be skipped if WiFi is already connected) -- Done

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Login APP to add device

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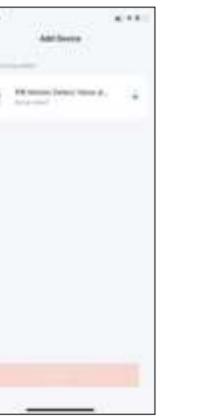
Search Bluetooth nearby

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APP find device -- click add

07



Connecting

08



Done

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Device main interface

The pairing mode is 120 seconds only. The device would auto exit pairing mode after 120 seconds. If the app shows pairing failed, re-pair it in the same way step by step.

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5.Functional operation

- 1.Power switch**  
The power switch is on the back, switch it to the left end is to turn on, to the middle and right is to turn off
- 2.Volume key**  
Cycle switching (silent, level 1, level 2, level 3) total of 4 levels. Press once to change one level
- 3.Ringtone switching**  
Cycle switching (a total of 39 ringtones) press once to change a ringtone. (After restarting from a power failure, the ringtone will automatically reset to the first one)
- 4.Battery level detection**  
It would auto detect the battery status every 8 hours and upload data accordingly, error range 10%
- 5.How to distinguish multiple devices when one device alarms**

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Click APP - enter the device interface - click in the upper right corner - change the device name. Then when it alarms, it would push message by the changed device name.

**6.The device is shared by multiple people.**

Click APP - enter the device interface - click in the upper right corner - choose share device -- add sharing-- add other tuya account

**7.The same account works with multiple devices in different WIFI environment**

Connect multiple devices in different places to the same APP account. For example: add a device at home via home wifi; add another device in the office via office wifi.

**8.Turn off device APP alarm push message**

Click APP - enter the device interface - setting -- select to turn off the corresponding alarm option. E.g. turn off human detection alarm, there will be no APP notification when it detects people.

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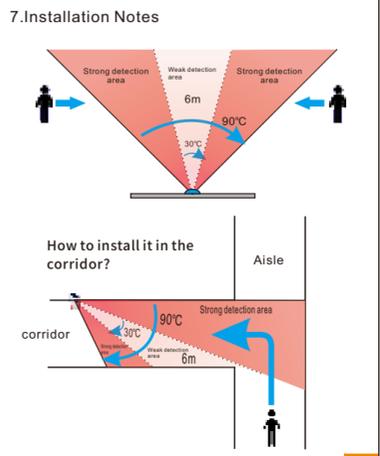
6.Perform walking test

- Start the test at least 2 minutes after turning it on.
- Walking breadthwise at the remote area of the detection coverage at the speed of 0.75m/s within 3m. Your walking will trigger the detector, it would make sound and its red led would flash, and alarm occurs.
- Testing in different direction to confirm the two boundaries of the coverage, ensure the detector is appointed to the central desired area.
- Repeat step 2 and step 3 at the near area of the detection coverage.

FCC Caution:  
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.  
Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.  
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.  
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This document complies with FCC rules and is not applicable outside the United States of America. The equipment described herein and all parts are trademarks of Tuya Electronics Co., Ltd.

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7.Installation Notes

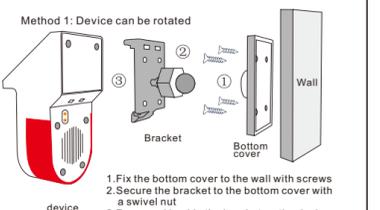


Strong detection area  
Weak detection area  
6m  
90°  
30°  
Aisle  
corridor

How to install it in the corridor?

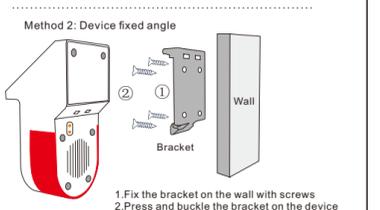
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Method 1: Device can be rotated



1. Fix the bottom cover to the wall with screws  
2. Secure the bracket to the bottom cover with a swivel nut  
3. Press and buckle the bracket on the device

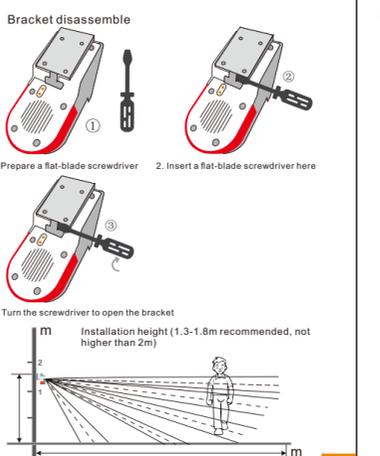
Method 2: Device fixed angle



1. Fix the bracket on the wall with screws  
2. Press and buckle the bracket on the device

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Bracket disassemble



1. Prepare a flat-blade screwdriver  
2. Insert a flat-blade screwdriver here  
3. Turn the screwdriver to open the bracket

Installation height (1.3-1.8m recommended, not higher than 2m)

Detection range 6-8m

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8. Alarm Tracks

1 , DingDong+DingDong	20 , symphony NO. 40 in minor
2 , dingdong_x2 (echo)	21 , Minuet
3 , Chord ascending(135i)	22 , Telephone ringing
4 , Chord descending(i531)	23 , City of sky
5 , DingDong	24 , Red River Valley
6 , DingDongx2(fast)	25 , Jingle Bells
7 , Westminster Chimes	26 , Titanic
8 , For Alice	27 , Kungfu
9 , vocal3551	28 ,Nokia Classic Ring
10 , voca13511531	29 ,short song ringtone
11 , Four little swan	30 ,Lullaby
12 , Blue love	31 ,Scarborough fair
13 , Rhythm of the rain	32 ,Congratulations
14 , The Little Mermaid	33 ,The William tell overture
15 , A Comme Amour	34 ,Romance De Amor
16 , vocal245	35 ,Memory
17 , Turkischer Marsch_01	36 ,Radetzky March
18 , The Butterfly Lovers	37 ,kiss the rain
19 , Eine Kleine Nachtmusik	38 ,Merry Christmas
	39 , Alarm sound

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9.Notes for device pairing:

- Make sure the device, mobile and router are as near as possible
- Make sure wifi broadcast is turned on, not hidden.
- Make sure the router encryption is WPA2-PSK, authentication type is AES or set both to auto. Wireless mode could not set 11n only.
- If the number of devices connected to the router reaches the upper limit, you can try to disable a device to vacate the channel.
- If pairing fails repeatedly, try to use another phone as a hotspot. Connect your phone to the hotspot of the other phone and then repeat the pairing process. If it works, that means the device is working. Reset your home router and try the pairing again.

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10. Mobile push settings

Iphone: Settings - Notifications - find tuya smart app - allow notifications

Xiaomi: settings - notification and status bar - notification management - find tuya APP - click to allow various notifications - then exit to return settings - find authorization management - self-start management - allow APP to auto-start .

Huawei: settings - notification and status bar - notification management - find tuya APP - click to allow various types of notifications - then exit to return settings --- find authorization management - find tuya APP - permissions - self-start management - allow the auto-start.

OPPO/VIVO Mobile: Phone Settings - Status Bar and Notifications - Manage Notifications - Find tuya App - Allows all types of push. - Exit the return settings - Authorization management - find the tuya APP - allow self-starting. Other mobile phone settings are basically the same.

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11. Precautions for use

- Use a router from a regular manufacturer. This product currently only supports 2.4G WIFI frequency band.
- This product can reduce the occurrence of accidents, but it cannot be guaranteed you 100% safe. For your safety, in addition to using it correctly, the product should be regularly inspected and maintained. Trigger an alarm at regular intervals to make sure it works okay.
- Mobile APP usage is not affected by WIFI range. As long as the device is connected to WIFI, the mobile phone can monitor the status of the device at any time as long as the device is connected to wifi.
- There is microwave sensor inside the device, and device of the same microwave frequency cannot appear within the microwave sensing range. It is not recommended to install the same products 6 meters apart without obstruction, otherwise they may interfere with each other.
- This device comes with solar charging, and the solar charging is directional. When it is fixedly

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12.APP smart scene setting

Example 1: The device makes call and/or sends sms to user if being triggered

Open APP - click Me in the lower right corner --- Featured --- Phone notification/message notification ---after you purchased it successfully return to main interface - click smart - create scene - click when device status changes --- choose the device - alarm - send notification - phone or message notification - at last press confirm and save it.

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Example 2: Set linkage with wifi siren when the device alarms

Open APP - click smart - choose automation - create scene - click when device status changes --- choose device - choose alarm - Run the device - choose wifi siren - click turn on - at last press confirm and save it.

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