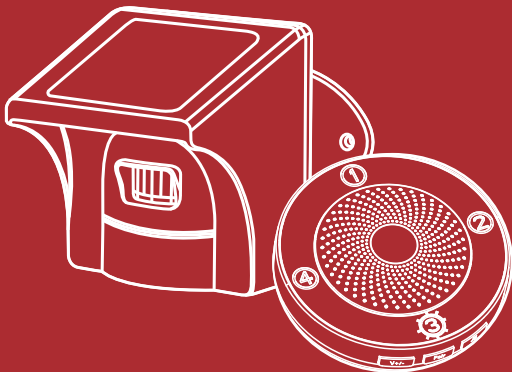


HS-002C WIRELESS SOLAR DRIVEWAY ALARM



QUICK START GUIDE

After tragically losing our grandmother in a home accident, I was inspired to create Hosmart tools specifically designed for the mature and elderly. In honor of our grandmother, our goal is to make homes smarter, safer, and more comfortable for seniors. We genuinely hope that Hosmart products bring convenience and peace of mind to both you and your loved ones in their golden years. We eagerly anticipate hearing your stories of how our Hosmart products have improved the lives of you or your senior family members, making them easier and safer.

William King

Inventor

If you have any questions, please contact us at:

✉ macross.service@outlook.com

☎ 502-341-7705

WWW.MYHOSMART.COM

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02 Product
Overview

05 Base Station
Set Up

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zone sounds

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20 Notice

What's included

01

For Base Station Setting



Base Station



Power Cable



User Manual



Power Adapter

For Motion Sensor Installation



mounting
plate



Ring plastic
nut



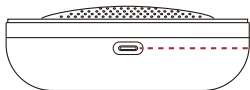
#6 x 1" Phillips
Pan Head
Self-Tapping
Screws



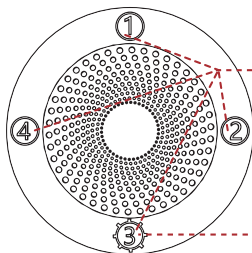
Solar
Sensor

Product Overview

Base Station

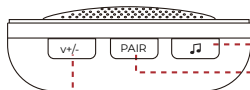


Charging Port



Channel indicator light

Status indicator light



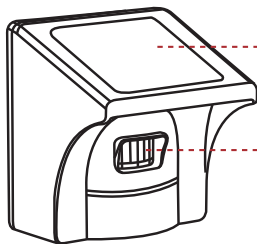
Music Button

PAIR Button

Volume + -

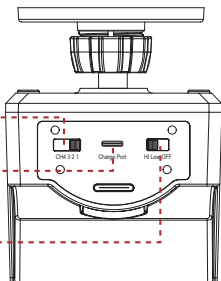
Product Overview

Motion Sensor



Solar Panel

Infrared Sensor lens



Channel Switch

Type-C Charging Port

Sensitivity Switch

LED Indicator Introduction 04

LED Indicator for Base Station

Action	Color	Indicator Status
Plug in		#3 light Stay on Red
Sensor Triggered		Channel Light Flashes Blue
Pairing with Sensor		4 Channel Lights Flashes Blue
Unplug/Power Off		Status Indicator Light goes off

LED Indicator for Motion Sensor

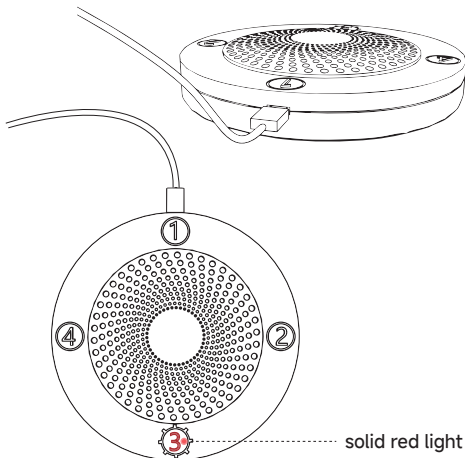
Sensor's eye		Flashes when channel 1/2 is triggered
	-	No light when channel 3/4 is triggered (to avoid being noticed by intruders)
		Solid Blue While Charging
	-	No Light When Battery is Full
		The blue light is flashing, indicating that there is a problem with the external battery. Please contact us

Base Station Set Up

05

Plug in to use

A. The Base Station has to plug in to use, without the back-up battery compartment.

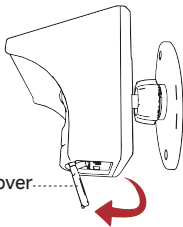


⚠ (The solid red light on #3 indicates that the base is working normally.)

Solar Sensor Set Up

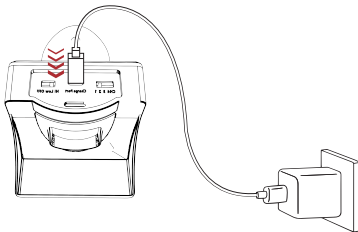
06

A. Open the silicone cover at the sensor's bottom. (Please fully charge the solar sensor before using)



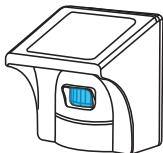
Open The Waterproof Silicone Cover.....

B. Please fully charge the solar sensor before using. (The light will keep solid blue during charging and go off when fully charged)



Solar Sensor Set Up

07

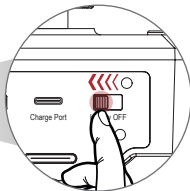
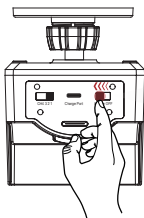


The light will keep solid blue while charging



The light will go off after fully charged

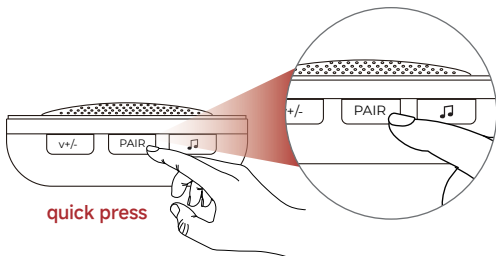
C. Turn on the sensor by switching the sensitivity from OFF to LOW or HIGH.



Solar Sensor Set Up

08

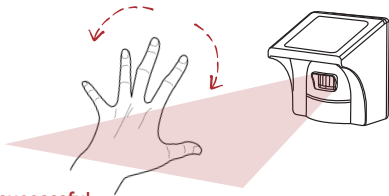
D. Do a **quick press** of the Pair button until you hear a voice: "You have entered pairing mode, please trigger your sensor."



quick press

⚠ (Note: long press the PAIR button will clear the Pairing.)

E. Trigger your sensor. (Wave your hand in front of the sensor)

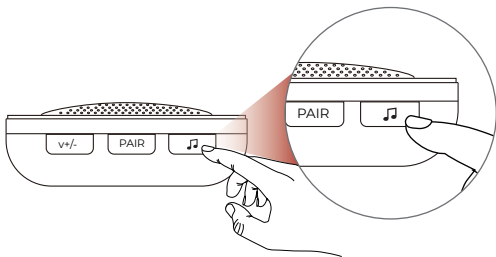


Pairing successful

Change the zone sounds

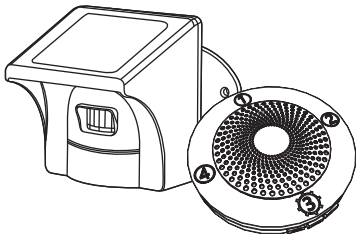
09

A: After finishing the pairing, quick press the Chimes Button on the base station.



! (Note: This base station has 38 chimes you can choose in total)

B: Chimes switch successful.



Solar Sensor Set Up

10

A. Preparation before installation. (Please keep the small parts in a safe place to avoid losing them)



mounting
plate



Ring plastic
nut



Solar Sensor

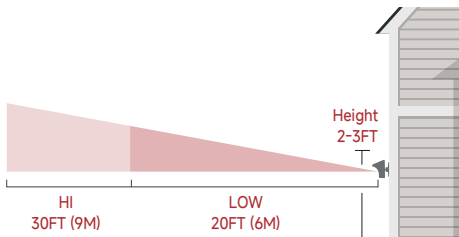


Electric Drill
with Phillips
PH2x50mm
drill bit



#6 x 1" Phillips
Pan Head
Self-Tapping
Screws

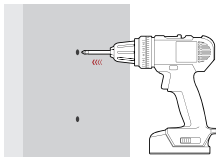
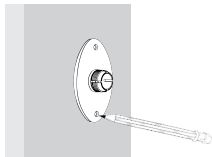
B. Select the installation location, height. (Recommended installation height 2-3FT)



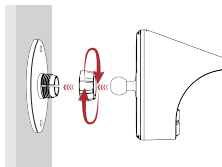
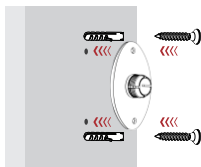
Solar Sensor Set Up

11

C. Use the mounting plate to mark 2 screw holes. On all 2 marks, drill 1 inch deep using the electric drill. Then insert the expansion anchor (If needed) and screw the mounting bracket using the included screws.



D. Install the sensor onto the mounting bracket and tighten the plastic ring nut. Ensure the silicone cover at the bottom is in tightly. (To prevent water from entering).



Solar Sensor Set Up

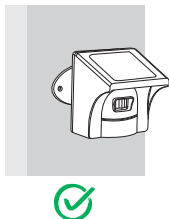
12

Installation Notes

E. Make sure the alarm is perpendicular to the ground. Do not point it either up or down.



F. Make sure the alarm is mounted horizontally and not angled.

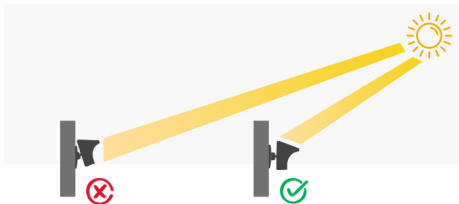


Solar Sensor Set Up

13

Installation Notes

G. Make sure sunlight can reach the solar panel directly, but avoid placing the sensoreye in direct sunlight, as this can cause false alarms.



H. The driveway alarm should overlook the open detection area; it should not point at trees and shrubs.



Technical Specifications

14

Specifications of Base Station

Model	HS002C
Power Supply	Plug in to use Input: 100-240 V AC 50/60 Hz; Output: 5.0 V-1.0 A
Operating Temperature	-4-140°F (-20-60°C)
Operating Relative Humidity	5-80% RH (non-condensing)
Alarm Volume	100 dB
Operating Frequency	433 MHz

Technical Specifications

15

Specifications of Smart Driveway Alarm

Power Supply	Built-in rechargeable battery (non-replaceable) ×1+solar panel ×1
Voltage	3.7 VDC
Battery Capacity	2,000 mAh
Solar Panel Power	0.4 W
Charging Port	Type-C
Output	5.0 V-1.0 A
Working Principle	Infrared sensor
Detection Distance	When the installation height is 3 ft (0.9 m) and the back of the device is perpendicular to the ground, the detection distance is 30 ft (10 m).
Detection Angle	Horizontal: 45°; vertical: 8°
Battery Life	Estimated battery life under full charge (without sunlight) is approximately 2 years when triggered 20 times a day. This estimate is based on the assumption of pure battery usage.
Operating Temperature	-4-140°F (-20-60°C)
Waterproof Rating	IP65
Product Materials	ABS +high weather-resistant silicone
Mounting Method	Screws
Installation Location	Outdoors on a flat surface

Troubleshooting

16

Troubleshooting

PROBLEM	CAUSE	SOLUTION
There is no alarm when an object passes by.	The installation height of the device is too high or too low.	Install at a height of 3 ft (0.9 m) from the ground.
	The device is not perpendicular to the ground.	Make sure the alarm is perpendicular to the ground. Do not point it either up or down.
	The device is not kept level.	Make sure the device is level and not tilted.
	The moving speed of the monitored object is too fast.	The device may not be able to detect objects moving faster than 25 mph (40 km/h).
	The temperature of the monitored object is too close to the ambient temperature.	The device is primarily triggered by the temperature difference between the monitored object and the surrounding environment. If this difference is minimal (e.g., in the case of an electric car that has just started), the device may not detect any changes.
	The temperature is too low.	The device's working temperature range is 14-140°F (-10-60°C). If the temperature falls below 14°F (-10°C), the monitoring distance.
	The communication between the device and the base station is blocked or the distance is too far.	Reduce obstacles between the device and the base station, and the maximum distance allowed in an open environment is 2,650 ft (800 m).

Troubleshooting

There are false alarms even if there is no object passing by.

The installation height of the device is too high or too low.

Install at a height of 3 ft (0.9 m) from the ground.

The device is not installed on a stable surface, and it may shake from side to side due to factors such as wind.

Mount on a hard Surface.

The device is not perpendicular to the ground.

Ensure that the alarm is mounted perpendicular to the ground and not pointed either upwards or downwards. If the device is facing upwards, it may be triggered by sunlight, if it's facing downwards, it may be triggered by small animals on the ground.

The device sensor is facing an object that is moving or shaking (such as a bush).

Position the device sensor facing an open area, and not towards trees or bushes.

Flying insects have entered the device sensor.

Clean the sensor Lens.

Sensitivity is set too high.

adjust the sensor to Low Sensitivity.

There is a small animal approaching the sensor.

The device may also be triggered by small animals, such as birds, when they come into close proximity to the sensor.

Special weather conditions.

The device may be triggered by some special weather conditions, such as a gust of hot air blowing when the ambient temperature is relatively low.

Troubleshooting

The solar panel does not work.	Solar panels may be covered with dust.	Clean the surface of the solar panel to remove any dust or dirt, and the device should resume normal operation.
The sensor cannot be paired to the base station.	The base station is not entering pairing mode.	quick press the Pair button on the base station and its LED will flash Blue to enter the pairing mode.
	The sensor did not turn on.	Open the silicone cover on the bottom of the sensor, then switch the sensitivity from OFF to Low or High.

Installation Safety

Base Station

- Must be installed indoors in dry areas (humidity $\leq 80\%RH$)
- Avoid direct contact with metal objects (interferes with 433MHz signal transmission)
- Use ONLY the original 5V/1A adapter for charging (input voltage exceeding 240V may cause overheating)

Driveway Sensor

- Installation height must be ≥ 3 ft (0.9 m) with vertical alignment (ensures 10 m detection range)
- Install ONLY on ASA-compatible surfaces (concrete/brick walls require anti-vibration pads)

Prohibited Actions

- × Disassembling/replacing Sensor lithium battery (compromises IP65 sealing integrity)
- × Using non-Type-C chargers (output current $>1A$ damages control circuitry)
- × Charging in sub-zero temperatures (suspend charging if ambient $<0^{\circ}C/32^{\circ}F$)

Operational Environment

Extreme Condition Limitations

- May trigger false alarms during heavy rain/sandstorms (infrared sensor sensitivity $\pm 15\%$)
- Remove ice accumulation on solar panels within 72 hours
- Maintain ≥ 5 m distance from microwave radars/electromagnetic fences (prevents 2.4GHz interference)

Maintenance Requirements

Periodic Inspections

- Clean Sensor infrared lens and solar panel quarterly (use anhydrous alcohol wipes)

FCC STATEMENT

FCC ID: 2AJEM-HS002C

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 thereceiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

FCC STATEMENT

(1) This device may not cause harmful interference.

(2) This device must accept any interference received, including interference that may cause undesired operation.

2. 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.

The device has been evaluated to meet general RF exposure requirement. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.

FCC STATEMENT

- This radio is designed for and classified as "General population/uncontrolled Use"
- DO NOT operate the radio without a proper antenna attached, as this may damage the radio and may also cause you to exceed RF exposure limits. A proper antenna is the antenna supplied with this radio by the manufacturer or an antenna specifically authorized by the manufacturer for use with this radio, and the antenna gain shall not exceed 2dBi by the manufacturer declared.
- DO NOT transmit for more than 50% of total radio use time, more than 50% of the time can cause RF exposure compliance requirements to be exceeded.
- During operation, the separation distance between user and the antenna shall be at least 20cm, this separation distance will ensure that there is sufficient distance from a properly installed externally-mounted antenna to satisfy the RF exposure requirements.
- During transmissions, your radio generates RF energy that can possibly cause interference with other devices or systems. To avoid such interference, turn off the radio in areas where signs are posted to do so. DO NOT operate the transmitter in areas that are sensitive to electromagnetic such as hospitals, aircraft, and blasting sites.

Customer Service

23

Customer service:



Warranty

24-month limited warranty



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**WELCOME
HOME**

