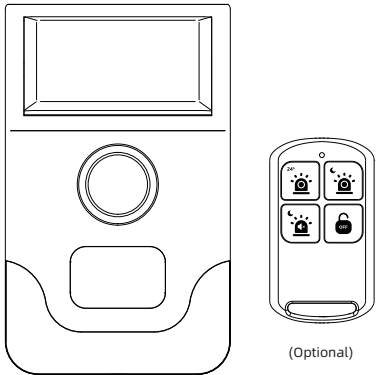


Solar Alarm User's Manual

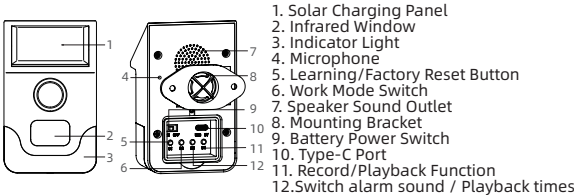


Pictures are for reference only; please refer to the actual product.

I. Product Overview

This outdoor solar alarm combines solar charging, custom recording, and quick-control operation into one integrated system. With excellent anti-interference capabilities, it effectively prevents false alarms and missed detections. The product is widely suitable for various outdoor security applications including homes, farms, orchards, factories, warehouses, and perimeter protection, providing reliable 24/7 warning protection.

1.1 Product Functional Diagram



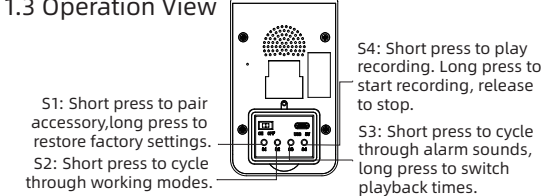
1.2 Button Functions Description

Button	Operation	Main Function	Audio & Visual Feedback
S1	Short press	Learn accessory	Indicator flashes + Voice prompt: "Entered accessory learning mode, please trigger the accessory"
	Long press	Restore factory settings	Indicator flashes 4 times + Voice prompt: "Factory reset successful"
S2	Short press	Switch working mode	Indicator flashes 1~4 times (corresponding to mode) + Voice announces current mode
S3	Short press	Switch alarm sound	Indicator flashes once + Plays current alarm sound
	Long press	Switch playback times	Indicator flash count / prompt tone count corresponds to: 3 times: flash 1 / beep 1 5 times: flash 2 / beep 2 10 times: flash 3 / beep 3 15 times: flash 4 / beep 4

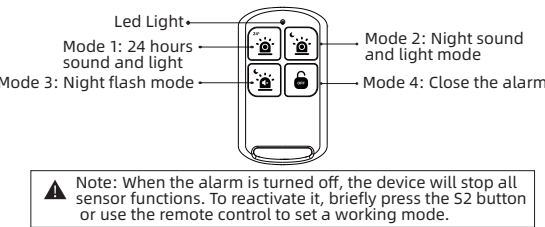
S4	Short press	Play recording	Indicator flashes + Plays the recorded audio
	Long press	Start recording	Indicator stays lit + Voice prompt: "Start recording"

⚠ Warning: The device must not be powered off immediately after operation, as this may terminate the data saving process abnormally.

1.3 Operation View



1.4 Remote Operation



1.5 Working Mode Description

Working Mode	Status Description
24-hr Sound & Light	Triggers Sound and Light alarm upon detection, 24/7.
Night sound & light Mode	The device sleeps during daytime, triggers audible and visual alarm at night.
Night Flash Mode	Triggers Sound and Light alarm during daytime, Light (flash) alarm only at night.
Close the Alarm	Disables detection function; device enters standby state.

1.6 USB Port Function Description

Function	Description
Charging	Provides power to the alarm
Data Management	Read and replace alarm sound files

II. First Time Use

1. Powering On the Alarm

1) Open the waterproof cover on the back of the alarm. Slide the battery power switch to the ON position to supply power to the device.

2. Infrared Sensor Test

After power-on, wave your hand in front of the infrared detection window. The alarm will immediately trigger with both sound and light upon detection.

3. Set Playback Times

Long press the S3 key to cycle through playback times: 3 times / 5 times / 10 times / 15 times (default: 3 times).

4. Accessory Pairing Mode

Entering: After power-on, briefly press S1 to enter a 20-second pairing mode. The mode will exit automatically upon timeout.

Exiting: Press any button during the process to exit immediately.

Note: This method also applies for quick exit if you accidentally enter the pairing mode.

5. Setting the Working Mode and Alarm Tone

1) Press S2 briefly to switch the Working mode.

2) Press S3 briefly to set the alarm tone.

6. Recording and Playback

1) Preparation: Open the waterproof cover on the back of the alarm and slide the battery power switch to the ON position.

2.) Start: Press and hold button S4. After hearing the "start Recording" prompt, speak towards the microphone to record (max. 30 seconds).

3) Stop: Release button S4. The recording will be saved automatically.

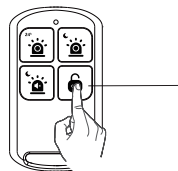
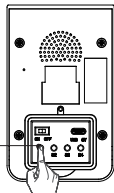
4) Playback: Press button S4 briefly to play the last recording.

III. Accessory Configuration

3.1 Pairing the Alarm with the Remote Control

A single alarm unit supports pairing with up to 10 remote controls. To control multiple alarms with one remote, please pair them using the following procedure.

① Short press the S1 button, the indicator light will flash continuously, and the Speaker will play "Sensor pairing mode."



② Press any key on the remote control within a range of less than 5m. After successful pairing, the buzzer will beep once.

3.2 Pairing the Alarm with the Alarm Control Panel

1) Set Up the Control Panel Follow the instructions in the control panel's manual to set it to "Accessory Pairing" mode.

2) Power On the Alarm and Initiate Pairing

i. Power on the alarm: Open the waterproof cover on its back and slide the battery switch to the ON position.

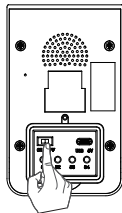
ii. Trigger the signal: Immediately after power-on, wave your hand in front of the infrared detection window. The alarm will transmit a wireless pairing signal.

3) Confirm Pairing Result: A successful pairing will be confirmed by the control panel via a message, sound, or indicator light flash.

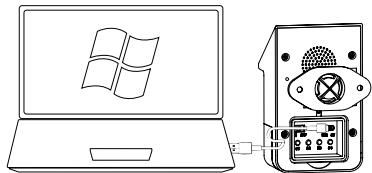
IV. How to View and Replace Alarm Sounds

1. Viewing Alarm Sound Files

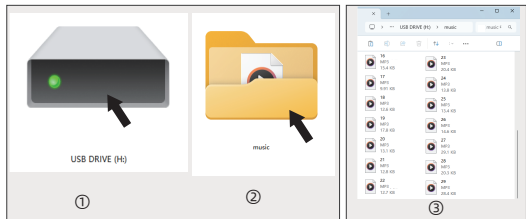
1) Turn off the alarm's battery power switch.



2) Connect one end of a Type-C USB cable to the alarm's USB port and the other end to a computer's USB port.



3) On the computer, double-click "This PC" to locate a "USB Drive".
4) Double-click the "USB Drive" to open it. You will see two folders: "music" and "REC". The "music" folder contains alarm sound files. The "REC" folder contains recorded audio files. Double-click the "music" folder to view the alarm sound files.



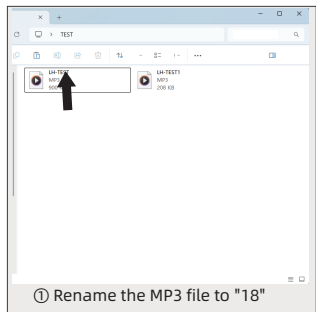
2. Replace the Alarm Sound

1) Turn off the alarm's battery power switch, connect one end of a Type-C USB data cable to the alarm's USB port, and the other end to a computer's USB port (as in the "Viewing Alarm Sound Files" operation). On the computer, open the following in sequence: This PC → USB Drive → "music" folder (see the figure below).



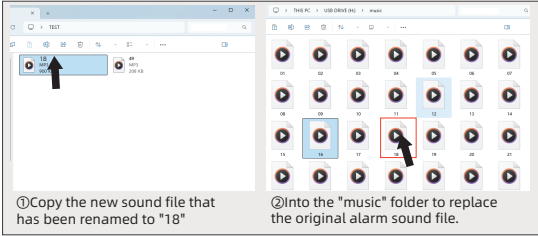
2) Rename

① Rename the alarm sound file of the new MP3 format to any number from 18 to 33. For example, name the audio file as 18.



3) Replace the Alarm Sound

① Copy the sound file renamed as 18 to the music folder, replacing the original alarm sound file.

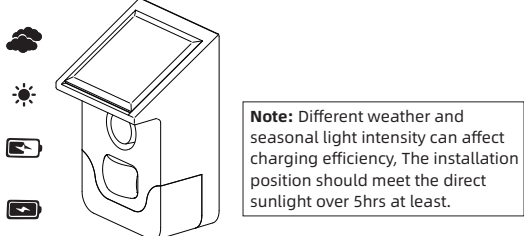


- ▲ Notes:**
- Among the audio files in the music folder, those numbered 18-33 are alarm prompt sounds and can be customized and replaced. Other numbered files are operation prompt sounds, which are closely related to system functions. Do not modify them arbitrarily to avoid affecting normal use.
 - The maximum replaceable alarm sound files are MP3 format files within the USB drive's capacity.
 - When the alarm is connected to a USB data cable, it remains in normal detection mode. During the process of reading or replacing alarm sound files, the alarm's indicator light will flash, which is a normal phenomenon.

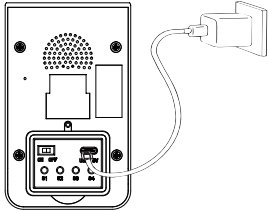
V. Charging Instructions

▲ Important Notice: When the battery voltage of the alarm is too low, the indicator light will flash three times as a low-battery alert, after which the device will stop operating. Please charge it in a timely manner!!

- Solar Charging**
Install the alarm in a location with strong sunlight exposure for solar charging, as shown:



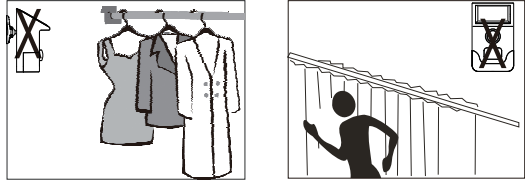
- Power Adapter Charging**
Charge the alarm using a USB-DC 5V/1A adapter, as shown:



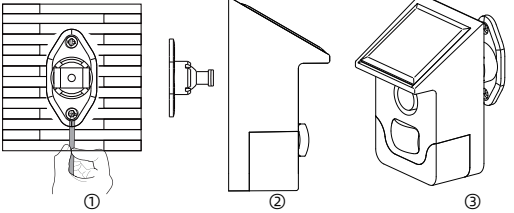
▲ WARNING:
Do not use other adapters with higher voltages, otherwise it will damage the product and dangerous!

VI. Solar Alarm Installation

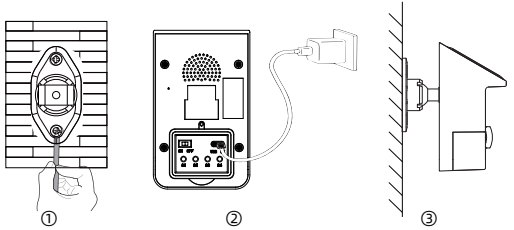
- Installation Requirements**
 - The alarm achieves highest sensitivity when detecting lateral movement across its sensor window. Sensitivity decreases for movement directly toward/away from the unit. Select installation location accordingly.
 - Maintain a direct line of sight to protected areas without obstructions (clothing, trees, etc.). (Fig.1)
 - MUST NOT be directed toward reflective surfaces (e.g., metal walls, glass). (Fig.2)
 - Mount on stable, vibration-free surfaces. Installed unit must remain rigid.



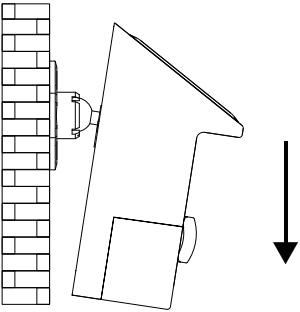
- Installation & Adjustment**
 - Location:** Install at potential entry points.
 - Installation Procedure**
 - Outdoor Installation**
Secure mounting bracket at ~2m height using self-tapping screws. Align alarm's rear slots with bracket and snap into place.



- Indoor Installation**
Secure mounting bracket at ~2m height using self-tapping screws. Connect alarm to USB DC5V power source. Align alarm's rear slots with bracket and snap into place.

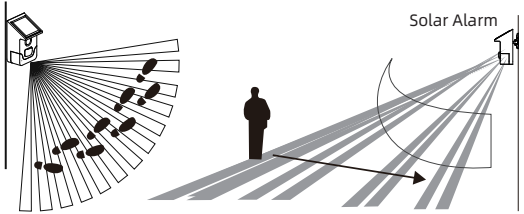


- Angle Adjustment**
Optimize detection coverage by tilting the alarm vertically/horizontally.



- Walk Test**
Enable battery power switch to activate detection mode. Walk laterally across detection zone at 0.7m/s from 8m distance.
Correct installation: Triggers audible/visual alarm within 8m range.
If no alarm: Adjust vertical angle and retest until successful.

- Note:**
- Horizontal adjustment: Modifies detection area coverage.
 - Vertical adjustment: Controls sensitivity/detection range.
 - Perform walk tests quarterly.



VII. Maintenance

- 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 supply first and wipe with a dust-free cloth dipped in a small amount of alcohol.
- Regular walking tests should be conducted on the detector.
Warning: As a high-tech product, this alarm can effectively reduce the occurrence of theft accidents, 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 enhance your safety awareness.

VIII. Troubleshooting

Problem	Cause	Solution
Alarm unresponsive when battery switch is turned on	Battery depleted	Charge the alarm
No response when pressing buttons	Battery depleted	Charge the alarm
False alarms triggered	Improper installation	Adjust installation position and angle
The alarm has no response when the remote control is pressed	The remote has been unpaired/disconnected from the alarm	Repair according to the chapters of "Accessory Configuration" and "Pairing the Alarm with the Remote Control"
The alarm is triggering an alert, but the alarm control panel shows no response	1.The alarm and the alarm host are not paired 2.The distance between the alarm and the alarm host is too far	1.Re-pair according to the chapters "Accessory Configuration" and "Pairing the Alarm with the alarm control panel" 2.Please ensure that the wireless distance between the alarm and the alarm control panel is within the specified range

IX. Technical Specifications

Power Supply	Solar charging/DC 5V
Alarm Sound Level	≥100dB
Charging Time	Solar: > 10 hours, USB:2 hours
Detection Angle	110°
Detection Range	8-12m
Battery Parameter	DC 3.7V/500mAh lithium battery
Transmit/Receive Frequency	433.9MHz / ASK
Remote Control Range	≥100 meters (open area)
Control Panel Reception Range	≥100 meters (open area)
Operating Temperature	-20°C ~ 55°C
Working Humidity	≤95%RH (no condensation)
IP Rating	IP54
Dimension	118.5x72x62mm

§ 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.

*** RF warning for Portable device:**

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.