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› SZPOWER 4500LM Solar Flood Lights Outdoor Instruction Manual

SZPOWER SZC05AS4-TY

SZPOWER 4500LM Solar Flood Lights Outdoor Instruction Manual

Model: SZC05AS4-TY

INTRODUCTION

Thank you for choosing SZPOWER Solar Flood Lights. This manual provides detailed instructions for the installation, operation, and maintenance of your new solar lights. Designed for outdoor use, these lights feature high brightness, motion detection, and adjustable heads to provide optimal illumination and security for your property. Please read this manual thoroughly before installation and use to ensure proper function and longevity of the product.

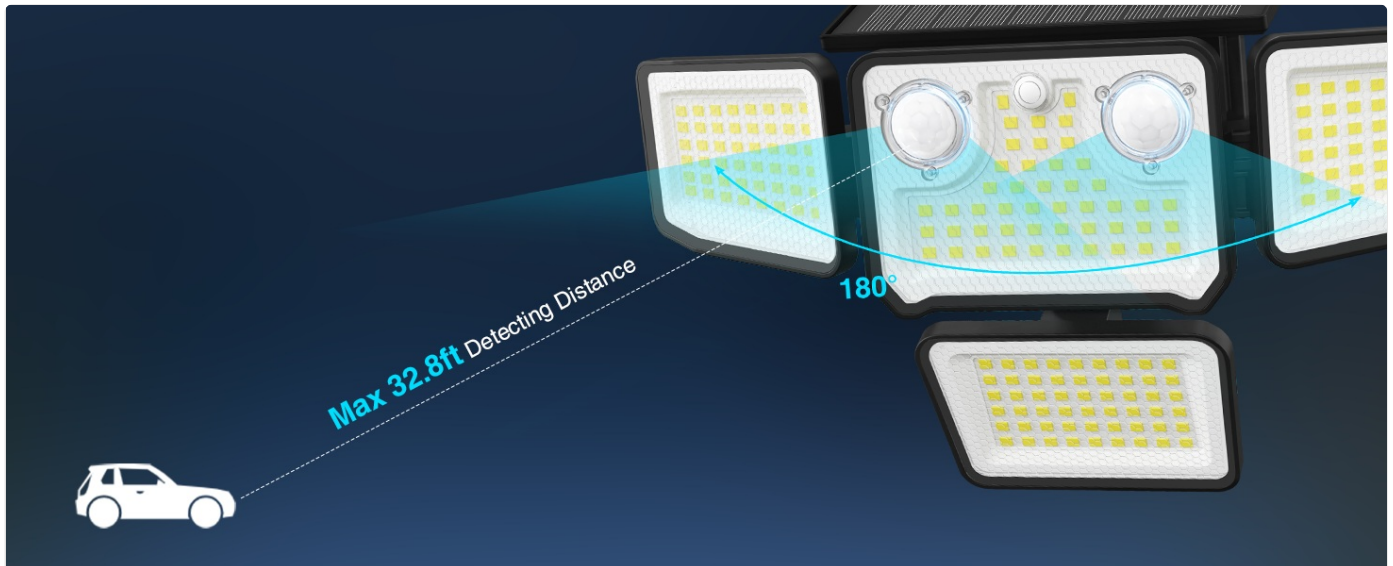


Image: Overview of the SZPOWER 4-head solar flood light, highlighting its key features like 4500LM brightness, 2 motion sensors, and IP65 waterproof rating.

WHAT'S IN THE BOX

Upon opening the package, please verify that all components are present and in good condition:

- Solar Motion Lights (Quantity as per pack size, e.g., 4 Pack)
- Installation Accessories (Screws, wall plugs)
- Instruction Manual (This document)

KEY FEATURES

- **High Brightness:** 4500LM with 254 super bright LED beads, 6500K white daylight.
- **Dual Motion Sensors:** Upgraded PIR motion sensors detect movement up to 32 feet within a 180° angle.
- **Adjustable Lighting:** Four rotatable light heads provide 270° wide-angle illumination.
- **Three Lighting Modes:** Choose between Motion Sensor Mode, Dim Light Sensor Mode, and Always On Mode.
- **Efficient Solar Charging:** High-efficiency solar panel (18.5% conversion rate) fully charges the 1800mAh battery in 4 hours of direct sunlight.
- **Durable & Waterproof:** IP65 waterproof rating ensures all-weather resistance.
- **Easy Installation:** Simple two-screw installation, no wiring required.



Image: Illustration of the high-efficiency solar panel, demonstrating faster charging compared to ordinary solar lights in both sunny and cloudy conditions.

Auto On / Off from Dusk to Dawn

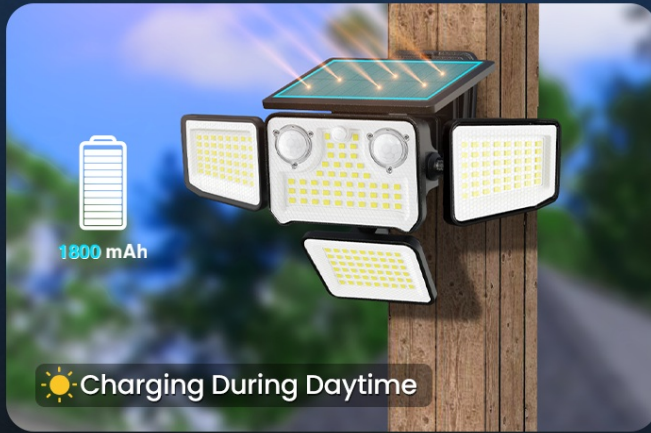


Image: The solar light installed outdoors, showcasing its IP65 waterproof rating and ability to withstand rain and harsh weather conditions.

SETUP AND INSTALLATION

Follow these steps for optimal performance and safety:

1. **Choose a Location:** Select an outdoor location that receives direct sunlight for at least 4-6 hours daily to ensure proper charging of the solar panel. Avoid areas under eaves, trees, or other obstructions that might block sunlight or motion detection.
2. **Mounting the Light:**
 - Mark the desired installation spot on the wall.
 - Drill two holes at the marked positions.
 - Insert the provided wall plugs into the drilled holes.
 - Align the light's mounting bracket with the holes and secure it with the provided screws.
 - Ensure the light is firmly attached to the wall.
3. **Adjusting Light Heads:** Once mounted, adjust the four rotatable light heads to cover the desired illumination area. The heads can be rotated to provide 270° wide-angle lighting.
4. **Initial Charge:** Allow the solar light to charge for a full day (at least 6-8 hours) in direct sunlight before its first use to ensure the battery is fully charged.



Image: Step-by-step guide for mounting the solar light using screws, showing the bracket attachment and light assembly.

Your browser does not support the video tag.

Video: Overview of the 4-head solar light, including its motion sensor capabilities and adjustable design. This video is provided by the manufacturer, SZpower.

OPERATING INSTRUCTIONS

Your SZPOWER solar flood light features three distinct lighting modes and intelligent motion sensing capabilities.

Lighting Modes

Press the power button on the back of the light or use the remote control to cycle through the modes:

- **Mode 1 (Motion Sensor Mode):** The light remains off (0% brightness) until motion is detected. Upon detection, it illuminates at 100% brightness for approximately 20 seconds, then turns off if no further motion is detected.
- **Mode 2 (Dim Light Sensor Mode):** The light stays on at a dim 3% brightness. When motion is detected, it brightens to 100% for about 20 seconds, then returns to 3% dim brightness after motion ceases.
- **Mode 3 (Always On Mode):** The light automatically turns on at night and stays on at 30% brightness continuously until the battery depletes or dawn breaks.
- **Off:** Pressing the button a fourth time will turn the light off completely.

All modes automatically deactivate during daylight hours to allow for solar charging.

High Sensitivity Motion Detector



Image: Visual representation of the three available lighting modes and their behavior, including brightness levels and activation conditions.



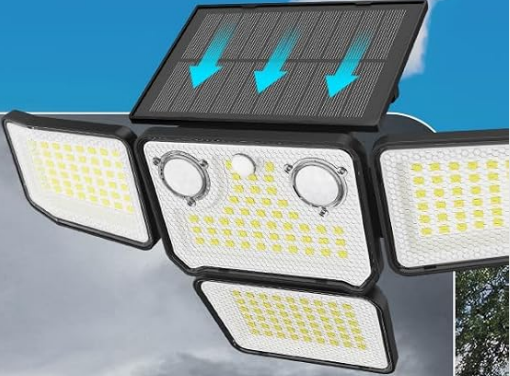
Image: Illustration of adjustable brightness levels for each lighting mode, demonstrating the visual difference between off, dim, and full brightness.

Motion Sensor Functionality

The dual PIR motion sensors are designed to detect movement within a 180° angle and up to 32 feet distance. This ensures broad coverage for security and convenience.

High Efficiency Solar Panel

40%+ higher charging efficiency than ordinary solar lights.



CLOUDY

Efficient conversion to electricity.

4H

Szpower

60%



Other

30%



SUNNY

4H High-speed charging

4H

Szpower

100%



Other

60%



Image: Comparison illustrating the superior detection range and angle of dual motion sensors (180°, 32ft) compared to a single sensor (90°, 15ft).



Image: Detailed diagram of the motion sensor's high sensitivity, indicating a 180-degree sensing angle and a detection distance of 26-40 feet.



Image: Illustrates the 180-degree sensing angle and detection distance for vehicles, showing how the light activates as a car approaches.

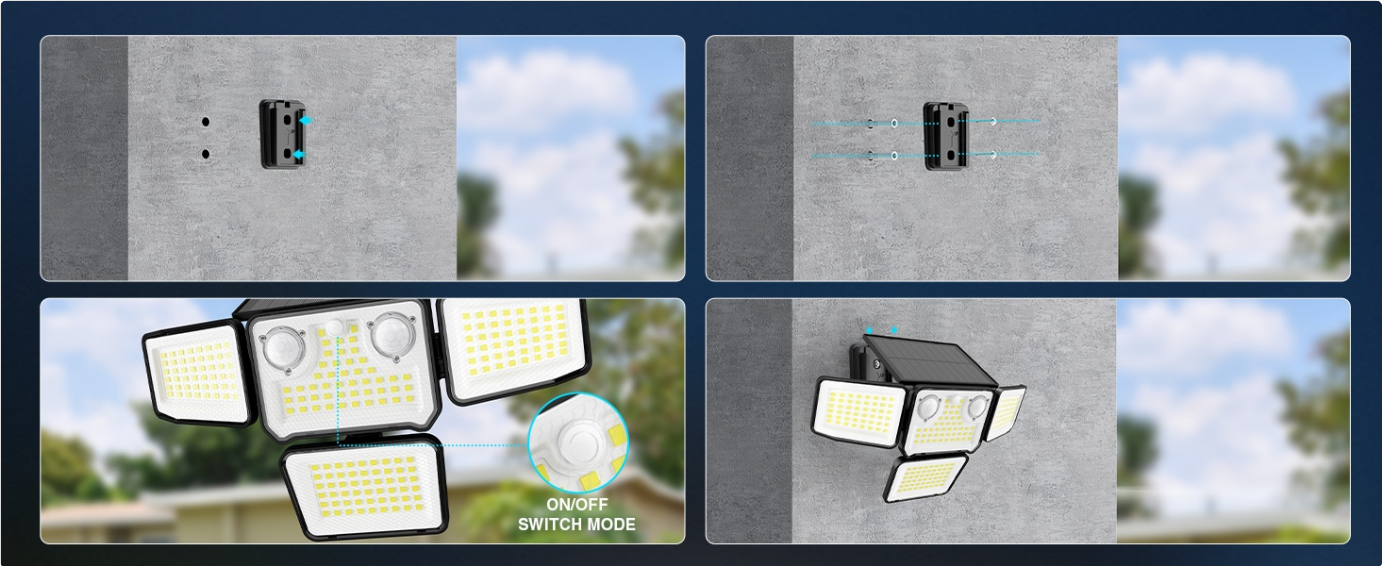


Image: Depicts the solar light's automatic function, charging during the day and turning on automatically at night when motion is detected.

MAINTENANCE

To ensure your SZPOWER solar flood lights continue to operate efficiently, follow these simple maintenance guidelines:

- **Clean the Solar Panel:** Regularly wipe the solar panel with a soft, damp cloth to remove dust, dirt, leaves, or snow. A clean panel ensures maximum sunlight absorption and charging efficiency.
- **Check for Obstructions:** Periodically inspect the area around the light to ensure no new obstructions (e.g., growing branches, new structures) are blocking direct sunlight to the solar panel or interfering with the motion sensor's field of view.
- **Inspect for Damage:** Occasionally check the light fixture for any physical damage, loose components, or signs of wear. While the unit is IP65 waterproof, severe damage could compromise its integrity.
- **Battery Longevity:** The integrated battery is designed for long-term use. Avoid disassembling the unit to access the battery, as this may void the warranty and damage the waterproof seal.

TROUBLESHOOTING

If your solar light is not functioning as expected, try the following solutions:

Problem	Possible Cause	Solution
Light does not turn on at night.	Insufficient solar charge.	Ensure the solar panel is receiving 6-8 hours of direct sunlight daily. Clean the solar panel if dirty.
Light is dim or flickers.	Low battery charge or dirty solar panel.	Allow for a full day's charge. Clean the solar panel. If problem persists, battery may be aging.
Motion sensor not detecting.	Sensor obstructed or incorrect mode.	Ensure the sensor is clear of obstructions. Verify the light is in Mode 1 or Mode 2. Check installation height (recommended 6.5-8ft).
Light stays on constantly (not in Mode 3).	Sensor malfunction or continuous motion.	Check for continuous motion in the detection area. Try cycling through modes or turning off and on again.
Remote control not working.	Battery in remote is dead or out of range.	Replace remote battery. Ensure you are within close range of the light when using the remote.

PRODUCT SPECIFICATIONS

Brand:	SZPOWER
Model Number:	SZC05AS4-TY
Brightness:	4500 Lumens
LED Quantity:	254 LED beads
Color Temperature:	6500K (White Daylight)
Motion Sensor Angle:	180°
Motion Sensor Distance:	Up to 32 feet
Adjustable Heads:	4 (270° wide-angle lighting)
Battery Capacity:	1800mAh
Charging Time:	4 hours (direct sunlight)
Waterproof Rating:	IP65
Material:	Plastic
Dimensions (L x W x H):	11.88" x 7.87" x 5.39"
Power Source:	Solar Powered
Control Method:	Remote, Switch

WARRANTY INFORMATION

This SZPOWER product is covered by a **1-year manufacturer's warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or improper installation.

Please retain your proof of purchase for warranty claims. For warranty service, please contact our customer support team.

CUSTOMER SUPPORT

If you have any questions, require assistance with installation, or encounter any issues with your SZPOWER Solar Flood Lights, please do not hesitate to contact our customer support team.

For the quickest support, please refer to the contact information provided on the product packaging or the retailer's website where you purchased the product. You may also visit the official SZPOWER store on Amazon for further assistance and product information: [SZPOWER Amazon Store](#).

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question