

Solar Shed Light User Manual

1. Product Overview

This solar shed light is designed for illumination in areas like sheds, garages, storage rooms, gardens, and yards. It features solar-powered charging, ultra-bright LED lighting, adjustable light panels, smart motion sensing, remote control, and IP65 waterproof performance, providing convenient, durable, and energy-efficient lighting solutions.

2. Technical Specifications

Item	Specification
LED Quantity	128 bulbs
Maximum Brightness	1000 lumens (LM)
Light Panels	4 foldable/rotatable panels (120° swivel each)
Charging Method	Solar-powered (no wiring required)
Battery Capacity	4400mAh
Charging Time	Approximately 8 hours (under sufficient sunlight)
Working Time	Up to 10 hours (after full charge)
Waterproof Rating	IP65

Item	Specification
Control Mode	Built-in motion sensor + remote control

3. Installation Steps

3.1 Choose an Installation Location

- Select a location with **sufficient sunlight exposure** (at least 6-8 hours of direct sunlight daily) to ensure effective solar charging.
- Ensure the location is close to the area needing illumination (e.g., shed entrances, garage workbenches) and avoids obstructions (e.g., tree branches, walls) that block light.

3.2 Mount the Light

- The light can be installed via hanging (use the built-in hook) or wall-mounting (drill holes and use included hardware, if provided).
- For wall-mounting: Mark the drilling positions on the wall, drill holes, insert expansion anchors (if needed), and fix the light with screws.
- Ensure the light is installed firmly to prevent falling due to wind or vibration.

4. Usage Instructions

4.1 Solar Charging

- The light charges automatically when exposed to sunlight. Ensure the solar panel (usually on the top/back of the light) is not covered by dust, leaves, or other debris—clean it regularly with a dry cloth for optimal charging efficiency.
- Do not charge the light via external power sources (it is solar-only).

4.2 Adjusting Light Panels

- The 4 light panels can be folded or rotated 120° horizontally. Adjust the angle and direction of the panels based on your needs:
 - For wide-area illumination (e.g., entire shed), spread the panels outward.
 - For focused lighting (e.g., car repair, tool access), angle the panels toward the target area.

4.3 Motion Sensor Operation

- The motion sensor is activated by default. When you approach the light (within the sensor's detection range, typically 3-5 meters), the light turns on automatically.

- When you leave the detection range for 30-60 seconds (varies by default setting), the light turns off or dims to save battery.
- The sensor enhances safety by illuminating the area when someone is nearby, reducing accident or intrusion risks.

4.4 Remote Control Operation

- **Mode Switching:** Use the remote to select 4 working modes (e.g., "Always On," "Motion-Activated," "Dimmed," "Timer"). Refer to the remote's label for mode icons.
- **Brightness Adjustment:** Press the "+" (increase) or "-" (decrease) buttons on the remote to adjust brightness for different scenarios (e.g., bright light for detailed work, soft light for storage rooms).
- **Remote Range:** The remote works within 5-8 meters. Avoid using it through thick walls or obstacles.

5. Maintenance & Care

5.1 Regular Cleaning

- Clean the solar panel monthly with a soft, dry cloth to remove dust, dirt, or water stains—this ensures maximum solar absorption.

- Wipe the light body with a damp cloth (avoid harsh detergents) to keep it clean.

5.2 Waterproof Protection

- The light has an IP65 waterproof rating, so it can withstand rain, snow, and damp conditions. However:
 - Do not submerge the light in water (it is not fully waterproof for underwater use).
 - Check the light's sealing (e.g., around the battery compartment) periodically—if damaged, stop using it and contact support.

5.3 Battery Care

- The 4400mAh battery has a lifespan of 2-3 years (depending on usage).
To extend its life:
 - Avoid letting the battery drain completely for long periods (charge it promptly after use).
 - In winter or low-light conditions, charge the light for an extra 1-2 hours if sunlight is insufficient.

6. Troubleshooting

Issue	Possible Cause	Solution
Light does not turn on	1. Battery is not charged. 2. Motion sensor is blocked. 3. Remote battery is dead.	1. Place the light in direct sunlight for 8+ hours to charge. 2. Remove obstacles (e.g., boxes, curtains) blocking the sensor. 3. Replace the remote's battery (refer to remote's battery compartment for type).
Dim light output	1. Battery is low. 2. Solar panel is dirty. 3. Brightness is set to low.	1. Charge the light fully. 2. Clean the solar panel with a dry cloth. 3. Use the remote to increase brightness.
Remote not working	1. Remote battery is dead. 2. Obstacles block the remote signal.	1. Replace the remote battery. 2. Use the remote within range and without obstacles.

7. Safety Warnings

- Do not disassemble the light or battery compartment by yourself—this may damage the product or cause safety hazards (e.g., battery leakage).
- Keep the light away from high-temperature sources (e.g., stoves, heaters) to avoid melting or fire.
- Install the light out of reach of children and pets to prevent accidental damage or injury.