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> daphino 3000LM 4-Head Solar Motion Sensor Outdoor Lights Instruction Manual

daphino JY2322B-4H-2P-JY2410

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1. PRODUCT OVERVIEW

The daphino 3000LM 4-Head Solar Motion Sensor Outdoor Lights are designed to provide efficient and adjustable illumination for outdoor areas. These lights feature a solar panel for charging, motion detection capabilities, and multiple lighting modes for various needs. The robust construction ensures durability in diverse weather conditions.



Figure 1: Solar light features including solar energy charging, automatic night operation, and resistance to frost, water (IP65), and heat.

Key Features:

- **High Brightness:** 192 LEDs deliver 3000 lumens of 6500K daylight-white light.
- **Wide Coverage:** 4 adjustable heads provide 270° wide-angle illumination.
- **Remote Control:** Adjust brightness (30%, 60%, 100%) and switch between 3 lighting modes from up to 40ft.
- **Motion Sensor:** PIR motion sensor detects movement up to 40ft within a 130° arc.

- **Durable Design:** IP65 waterproof rating and constructed from ABS+PC material for all-weather performance.
- **Long Runtime:** Up to 12 hours in dim mode after a full 7-8 hour charge.



Figure 2: The daphino 4-head solar light with its adjustable panels and integrated motion sensor.

2. SETUP AND INSTALLATION

Proper installation is crucial for optimal performance of your solar lights. Follow these steps for setup:

Installation Steps:

1. **Choose Location:** Select a location that receives direct sunlight for the majority of the day. Ensure the solar panel is free from obstructions.
2. **Mark and Drill:** Mark the points for the screws using the wall bracket as a template. Drill holes and insert the plastic anchors.
3. **Install Bracket:** Secure the wall bracket to the surface using the provided screws.

4. **Select Mode:** Before hanging, switch the button at the rear of the solar sensor LED light to your desired operating mode (1, 2, or 3).
5. **Hang Light:** Hang the light onto the installed bracket, ensuring the solar panel faces upwards towards direct sunlight.
6. **Adjust Heads:** Adjust the 4 light heads and the solar panel to cover your desired illumination area.



Figure 3: Visual guide for mounting the solar light onto a wall.

Important Installation Tips:

- Recommended installation height is 6.5–8 ft (approximately 2-2.4 meters).
- Avoid installing too high or too low, as this may affect the motion sensor's effectiveness.
- Ensure the solar panel is positioned to receive maximum direct sunlight throughout the day for optimal charging.

3. OPERATING INSTRUCTIONS

Your daphino solar lights are equipped with a remote control and multiple lighting modes for versatile operation.

Remote Control Functionality:

The included remote control allows you to easily switch between the three lighting modes and adjust brightness levels from up to 40 feet away. Point the remote directly at the light's sensor for best results.

Wire - free Remote Control

Be able to whip out the wireless remote and choose the mode any old time.



Figure 4: Remote control for convenient adjustment of lighting modes and brightness.

Lighting Modes:

Select one of the following modes using the button on the light or the remote control:

- **Mode 1 (Motion-Activated):** The light remains off until motion is detected. Upon detection, it illuminates at 100% brightness. After approximately 25 seconds of no motion, the light turns off.



Figure 5: Mode 1 operation: motion-activated full brightness.

- **Mode 2 (Dim All Night):** The light stays at a continuous 30% brightness from dusk until dawn, providing ambient lighting. This mode does not react to motion.

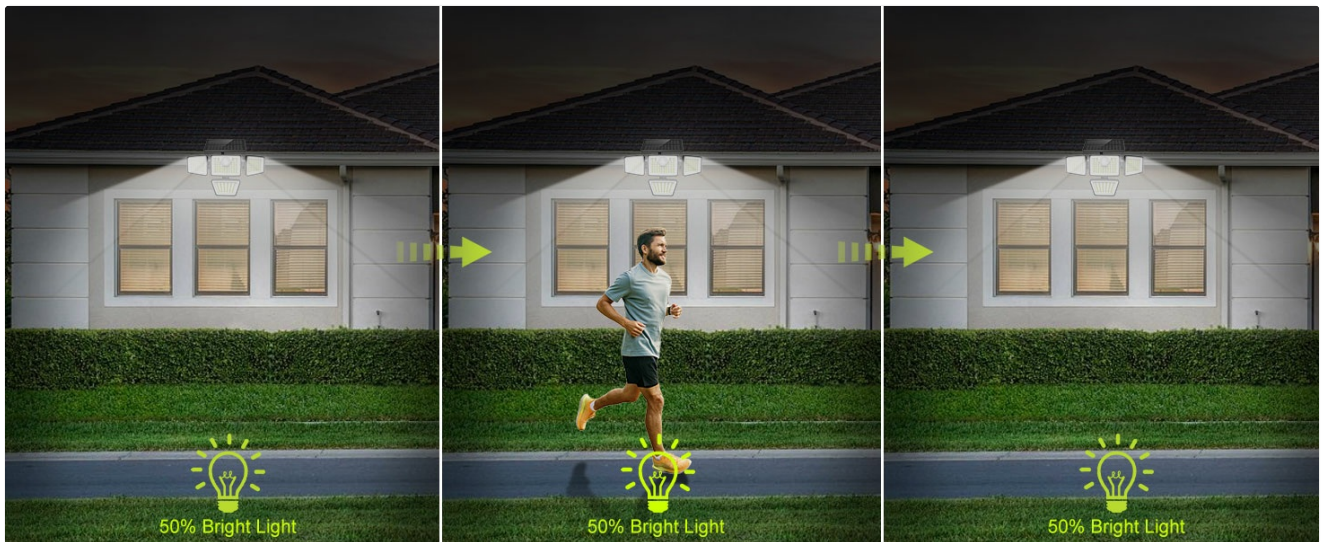


Figure 6: Mode 2 operation: continuous dim lighting.

- **Mode 3 (Smart Security):** The light maintains a low 10% brightness. When motion is detected, it boosts to 100% brightness. After approximately 25 seconds of no motion, it returns to 10% brightness.



Figure 7: Mode 3 operation: dim light with motion-activated full brightness boost.

3 LIGHTING MODES

Mode 1

100% Brightness with motion detected

Mode 2

Maintain 30% Brightness

Mode 3

10% Brightness

100% Brightness

10% Brightness

Figure 8: Overview of the three available lighting modes.

Motion Sensor:

The integrated PIR motion sensor detects movement up to 40 feet away within a 130-degree detection angle. Ensure the sensor is not obstructed for optimal performance.



Figure 9: Detail of the PIR motion sensor and Fresnel lens for accurate motion detection.

4. MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your daphino solar lights.

Cleaning the Solar Panel:

- Periodically clean the surface of the solar panel with a soft, damp cloth to remove dust, dirt, leaves, or snow. A clean panel ensures efficient sunlight absorption and charging.
- Avoid using abrasive cleaners or brushes that could scratch the panel surface.

Checking for Obstructions:

- Regularly inspect the area around the solar light to ensure no new obstructions (e.g., growing branches, new structures) are blocking direct sunlight from reaching the solar panel.

- Verify that the motion sensor is clear of any debris or spiderwebs that might interfere with its detection capabilities.

Battery Care:

- The integrated lithium-ion battery is designed for long-term use. No user replacement is required under normal operating conditions.
- Ensure the light receives adequate sunlight daily to maintain battery health and maximize runtime.

5. TROUBLESHOOTING

If your daphino solar light is not functioning as expected, refer to the following common issues and solutions:

Problem	Possible Cause	Solution
Light does not turn on at night.	Insufficient solar charge.	Ensure the solar panel is in direct sunlight for 7-8 hours daily. Clean the solar panel if dirty.
	Light switch is off or in incorrect mode.	Check the mode button on the back of the light or use the remote to select the desired mode (1, 2, or 3).
Motion sensor is not detecting movement.	Obstruction in front of the sensor.	Clear any debris or objects blocking the sensor. Ensure the installation height is within 6.5-8 ft.
	Sensor range is too short.	Adjust the angle of the light heads and ensure the sensor is facing the desired detection area.
Light illuminates for a short period only.	Insufficient battery charge.	Ensure the solar panel receives full, direct sunlight for a complete charge cycle. Cloudy days can reduce runtime.
Remote control is not working.	Out of range or obstructed signal.	Ensure you are within 40ft and have a clear line of sight to the light's sensor.

6. SPECIFICATIONS

Detailed technical specifications for the daphino 3000LM 4-Head Solar Motion Sensor Outdoor Lights:

Feature	Detail
Brand	daphino
Model Number	JY2322B-4H-2P-JY2410
Brightness	3000 Lumens
Color Temperature	6500 Kelvin (Daylight White)
Number of Light Sources	192 LEDs
Light Fixture Form	Wall Mount
Material	Acrylonitrile Butadiene Styrene (ABS), Polycarbonate (PC)
Water Resistance Level	IP65 Waterproof
Power Source	Solar Powered

Feature	Detail
Voltage	3.7 Volts
Control Method	Remote, Motion Sensor
Motion Sensor Detection Angle	130°
Motion Sensor Detection Distance	Up to 40 ft
Illumination Angle	270°
Max Runtime (Dim Mode)	Up to 12 hours
Charging Time	7-8 hours (full direct sunlight)
Included Components	2×Solar Light, 2×Wall Bracket, 4×Plastic Anchor, 4×Screw, Instruction Manual



Figure 10: Comparison of solar panel construction, highlighting the tempered glass protection and 30% monocrystalline silicon conversion rate.

7. WARRANTY INFORMATION

The daphino 3000LM 4-Head Solar Motion Sensor Outdoor Lights come with a **1-year manufacturer's warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for any warranty claims.

8. CUSTOMER SUPPORT

For further assistance, technical support, or warranty inquiries, please refer to the contact information provided with your purchase or visit the daphino brand store on Amazon. When contacting support, please have your product model number (JY2322B-4H-2P-JY2410) and proof of purchase readily available.

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.

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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