

LIFENG SOLER MDC010393

LIFENG SOLER 90 LED Clip-on Solar Motion Sensor Outdoor Lights

Model: MDC010393

1. INTRODUCTION

Thank you for choosing the LIFENG SOLER 90 LED Clip-on Solar Motion Sensor Outdoor Lights. This manual provides essential information for the safe and efficient use of your new solar lights. Please read these instructions carefully before installation and retain them for future reference.

These solar lights are designed to provide high-brightness illumination for various outdoor areas such as fences, patios, gutters, and walkways. They feature a motion sensor, multiple lighting modes, and flexible installation options.

2. SAFETY INFORMATION

- Ensure the solar panel receives direct sunlight for optimal charging.
- Do not disassemble, repair, or modify the product. This may cause damage and void the warranty.
- Keep the product away from fire and high temperatures.
- Avoid looking directly into the light when it is on, as the high brightness may cause temporary visual discomfort.
- Dispose of batteries and electronic components according to local regulations.

3. PACKAGE CONTENTS

Verify that all components are present in your package:

- LIFENG SOLER 90 LED Solar Lights (Quantity: 2)
- Expansion Screws (Quantity: 4)
- Mounting Screws (Quantity: 4)
- Mounting Brackets (Quantity: 2)
- Sticky Hooks (Quantity: 4)

Product Specification



ACCESSORIES



Expansion screw×4



Screw×4



Bracket×2



Sticky hook×4

Figure 1: Product and Included Accessories. This image displays the two solar lights along with the four expansion screws, four mounting screws, two mounting brackets, and four sticky hooks.

4. PRODUCT OVERVIEW AND FEATURES

The LIFENGSOLE 90 LED Solar Lights are designed for outdoor security and illumination, offering high brightness and versatile installation.

- **High Brightness:** Equipped with 90 LEDs, providing 800 lumens of light output.
- **Wide Coverage:** Illuminates an area up to 26 feet with a 120-degree sensing angle.

- **Motion Sensor:** Detects motion to activate or increase brightness.
- **Efficient Solar Charging:** Features polycrystalline solar panels and a 1500mAh rechargeable battery for 6-8 hours charging and 10-12 hours working time.
- **Durable and Waterproof:** Constructed from high-strength ABS+PC material with an IP65 waterproof rating, suitable for various weather conditions.



Figure 2: Front view of the solar lights. This image shows the design of the solar lights, highlighting the LED array and motion sensor.

Wide Angle Adjustable



Figure 3: Wide Angle and Detection Range. This diagram illustrates the 120-degree sensing angle and 26-foot detection distance, with an optimal installation height between 6.5 and 9.8 feet.

5. SETUP AND INSTALLATION

The solar lights offer three primary installation methods. Choose the method best suited for your desired location.

5.1. Clip-on Installation

This method is ideal for fences, gutters, patios, or other structures where drilling is not preferred.

1. Identify a location that receives direct sunlight for most of the day.
2. Open the integrated clip on the back of the solar light.
3. Securely attach the clip to the edge of a fence, gutter, or similar structure. Ensure the solar panel faces upwards towards the sun.

5.2. Screw Installation

For a more permanent fixture on walls or wooden surfaces.

1. Mark the desired mounting points on the surface.
2. If mounting on masonry, drill pilot holes and insert the expansion screws.
3. Align the mounting brackets with the holes and secure them using the provided screws.
4. Attach the solar light to the installed brackets.

5.3. Hook Installation

Suitable for temporary placement or surfaces where clips and screws are not feasible.

1. Clean the surface where the sticky hooks will be applied.
2. Peel off the protective backing from the sticky hooks and firmly press them onto the surface.
3. Hang the solar light onto the installed sticky hooks.



Figure 4: Various Installation Scenarios. This image demonstrates the versatility of the solar lights, showing them installed on fences, posts, and illuminating garden and patio spaces.

6. OPERATING INSTRUCTIONS

The solar light features three distinct lighting modes, selectable via a button on the unit. Ensure the light is fully charged before first use.

6.1. Initial Activation and Charging

Before first use, place the solar light in direct sunlight for 6-8 hours to allow the battery to fully charge. The light will automatically turn on at dusk and turn off at dawn.



Figure 5: Automatic Charging and Lighting. This image illustrates the automatic charging function during the day (4-6 hours) and automatic lighting at night (10-14 hours).

6.2. Selecting Lighting Modes

Press the control button on the light to cycle through the modes:

- **Mode 1 (Dim Light & Strong Sensor Mode):** The light stays at 30% brightness at night. When motion is detected, it brightens to 100% for approximately 15-30 seconds, then returns to 30% brightness.
- **Mode 2 (Strong Light Sensor Mode):** The light remains off at night. When motion is detected, it illuminates at 100% brightness for approximately 15-30 seconds, then turns off.
- **Mode 3 (Stay Dim Mode):** The light stays at 30% brightness continuously throughout the night, regardless of motion detection.

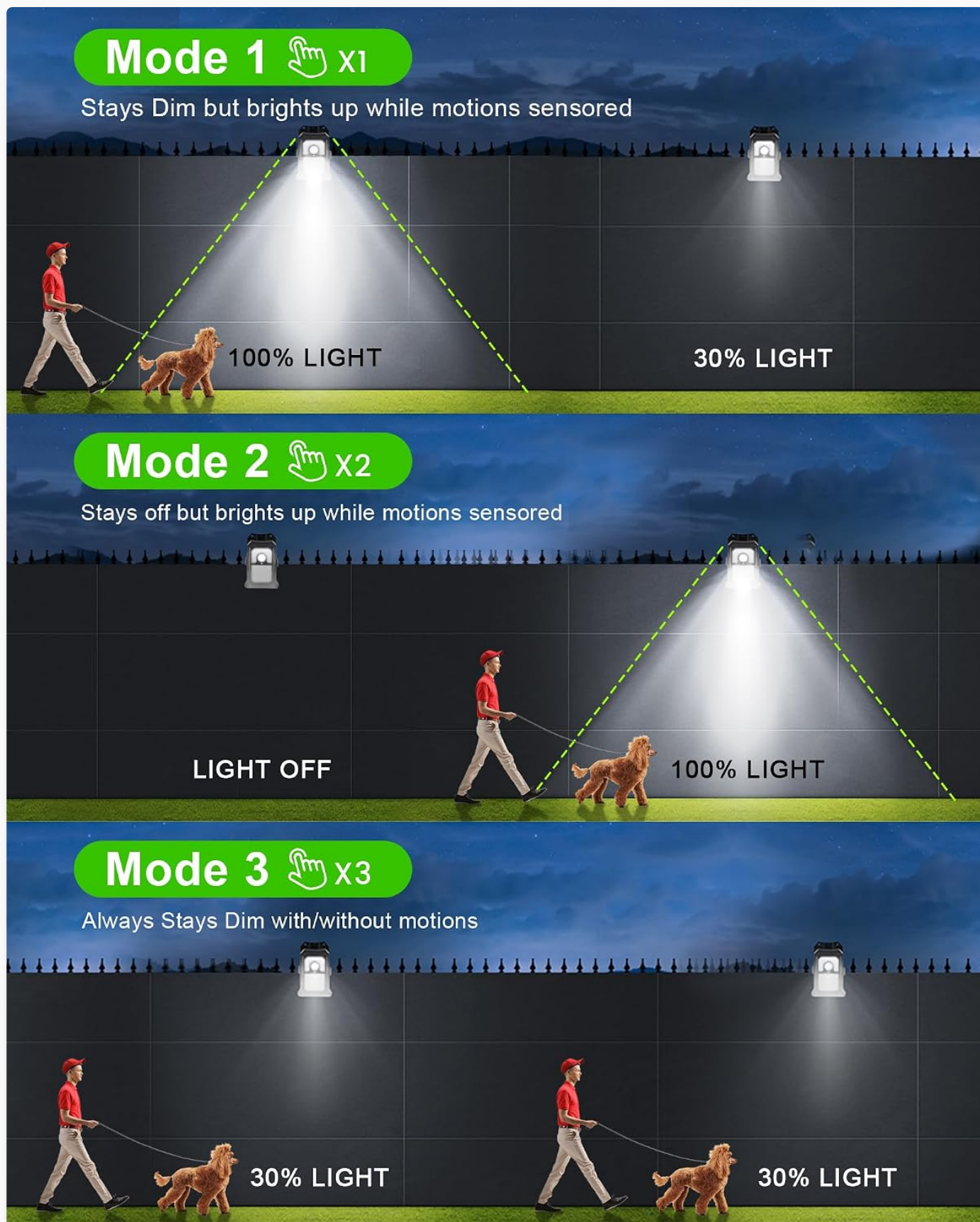


Figure 6: Lighting Mode Explanations. This graphic details the behavior of each of the three operational modes, showing how the light responds to motion and ambient light conditions.

7. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your solar lights.

- **Clean Solar Panel:** Periodically wipe the solar panel with a soft, damp cloth to remove dust, dirt, or debris. A clean

panel ensures efficient charging.

- **Clear Obstructions:** Ensure no trees, buildings, or other objects block direct sunlight from reaching the solar panel.
- **Inspect for Damage:** Regularly check the light for any physical damage, loose connections, or signs of wear.
- **Winter Care:** In areas with heavy snow, clear snow from the solar panel to allow charging.

8. TROUBLESHOOTING

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

- **Light does not turn on at night:**
 - Ensure the solar panel is receiving sufficient direct sunlight (6-8 hours) during the day.
 - Check if the light is in the correct operating mode (Mode 2 will be off until motion is detected).
 - Verify that the ambient light sensor is not obstructed or detecting artificial light, which might prevent the light from activating.
- **Light duration is short:**
 - The solar panel may not be getting enough direct sunlight. Relocate the light if necessary.
 - The battery may not be fully charged due to cloudy weather or insufficient charging time.
 - Ensure the solar panel is clean and free of dirt or debris.
- **Motion sensor is not detecting:**
 - Ensure the light is installed within the recommended height range (4.92 to 8.2 ft).
 - Check for obstructions in front of the sensor.
 - Verify the light is in Mode 1 or Mode 2, as Mode 3 does not use motion detection for brightness changes.

9. SPECIFICATIONS

Feature	Detail
Brand	LIFENG SOLER
Model Number	MDC010393
Light Source	90 LEDs
Brightness	800 Lumens
Color Temperature	6500 Kelvin (White Light)
Sensing Angle	120 degrees
Detection Distance	Up to 26 feet
Recommended Installation Height	4.92 to 8.2 feet (1.5 to 2.5 meters)
Solar Panel Type	Polycrystalline
Battery Capacity	1500mAh
Charging Time	6-8 hours (direct sunlight)

Working Time	10-12 hours (fully charged)
Material	High-strength ABS+PC
Waterproof Rating	IP65
Product Dimensions	1"L x 1"W x 0.99"H (Approximate, based on provided data)
Item Weight	1.61 pounds (for the pair)



Waterproof

Suitable For All Kinds
Of Weather

Figure 7: IP65 Waterproof Rating. This image highlights the IP65 waterproof rating, indicating the product's resistance to various weather conditions including rain, frost, and heat.

10. WARRANTY AND SUPPORT

LIFENG SOLER provides a **Lifetime Quality Guarantee** for these clip-on solar lights. For any product inquiries, technical support, or warranty claims, please contact LIFENG SOLER customer service through the retailer where the product was

purchased.

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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.

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