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Aigostar SSP-Microwave Sensor-G

Aigostar Solar Outdoor Light (Model SSP-Microwave Sensor-G) Instruction Manual

INTRODUCTION

Thank you for choosing the Aigostar Solar Outdoor Light. This manual provides essential information for the safe and efficient operation of your solar light. Please read it thoroughly before installation and use, and retain it for future reference. This 50W LED solar light features a motion sensor, remote control, IP65 waterproof rating, and adjustable color temperature. It is designed for outdoor use, providing illumination for gardens, fences, and other outdoor areas.

IMPORTANT SAFETY INSTRUCTIONS

- Ensure the solar panel is installed in a location that receives direct sunlight for optimal charging.
- Do not attempt to disassemble or modify the product. This may cause damage and void the warranty.
- Keep the product away from fire or high temperatures.
- The product is IP65 waterproof, suitable for outdoor use, but avoid submerging it in water.
- Handle the remote control with care.
- Dispose of batteries according to local regulations.

PACKAGE CONTENTS

Verify that all components are present in the package:

- Solar Outdoor Light unit
- Solar Panel with 3-meter cable
- Remote Control
- Universal wheel (for angle adjustment)
- Mounting accessories (screws, anchors)

PRODUCT OVERVIEW

The Aigostar Solar Outdoor Light consists of a solar panel and a lamp unit connected by a 3-meter cable.

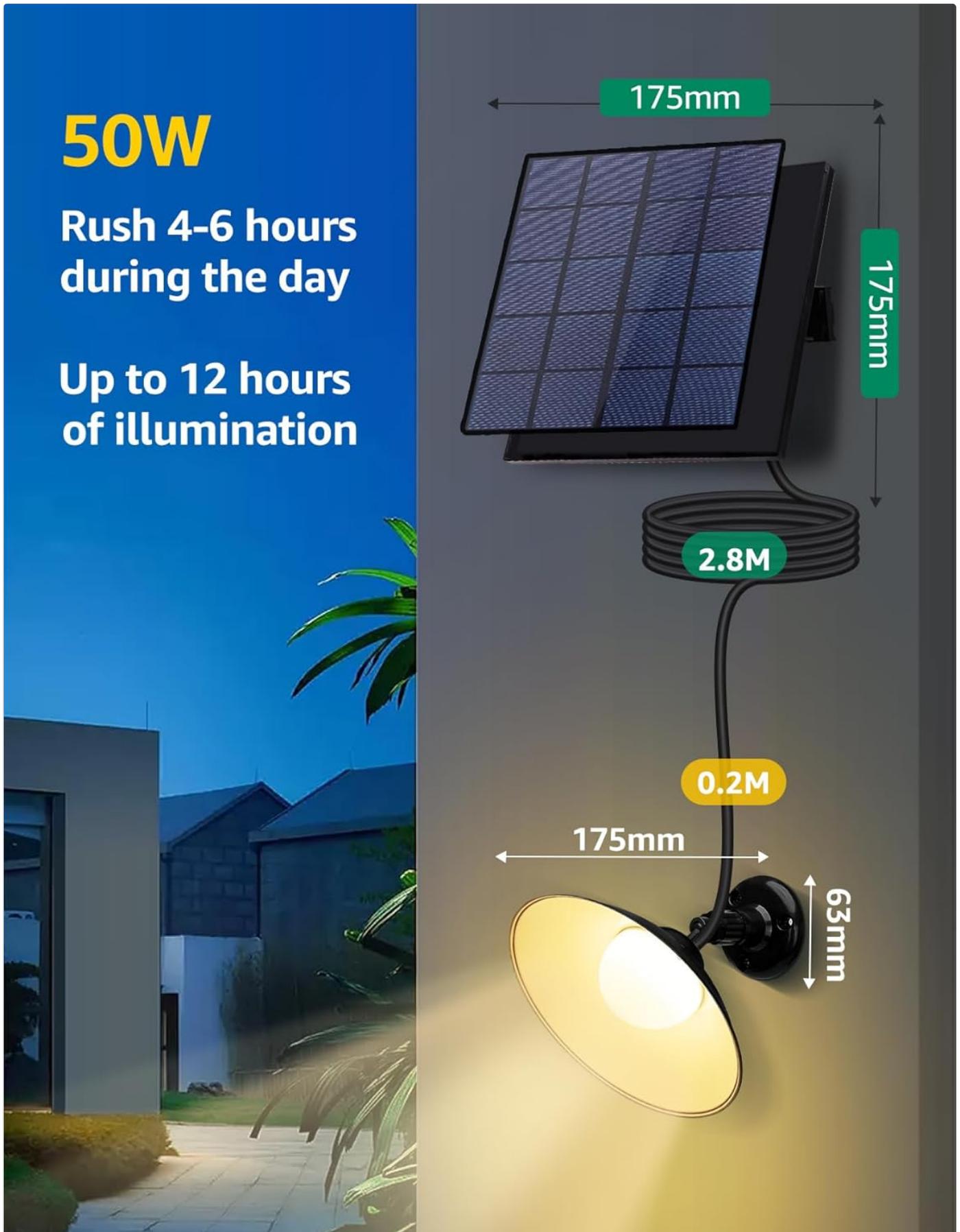


Figure 1: Product Components and Dimensions. This image illustrates the solar panel (175mm x 175mm), the 2.8-meter connecting cable, and the lamp unit (175mm diameter, 63mm height) with a 0.2-meter cable from the lamp to its mounting point.

SETUP AND INSTALLATION

The solar light offers two installation options: as a suspended light or a wall-mounted light. Choose the method that best suits your needs.

1. Solar Panel Placement

The solar panel must be installed in a location that receives maximum direct sunlight throughout the day to ensure efficient charging of the 5000 mAh lithium-ion battery. A full charge takes 4-6 hours and provides up to 12 hours of illumination.

2. Lamp Unit Installation

The lamp unit can be installed as a pendant light or a wall sconce. Use the provided universal wheel to adjust the lighting angle as required. The 3-meter cable allows flexible placement of the lamp unit relative to the solar panel.

90° Adjustable

Two Installation Methods



Color temperature and brightness change at will

brightness adjustment



Figure 2: Two Installation Methods. The left side shows the lamp unit wall-mounted, while the right side shows it suspended from a pergola. A brightness adjustment bar is also visible, indicating adjustable light output.

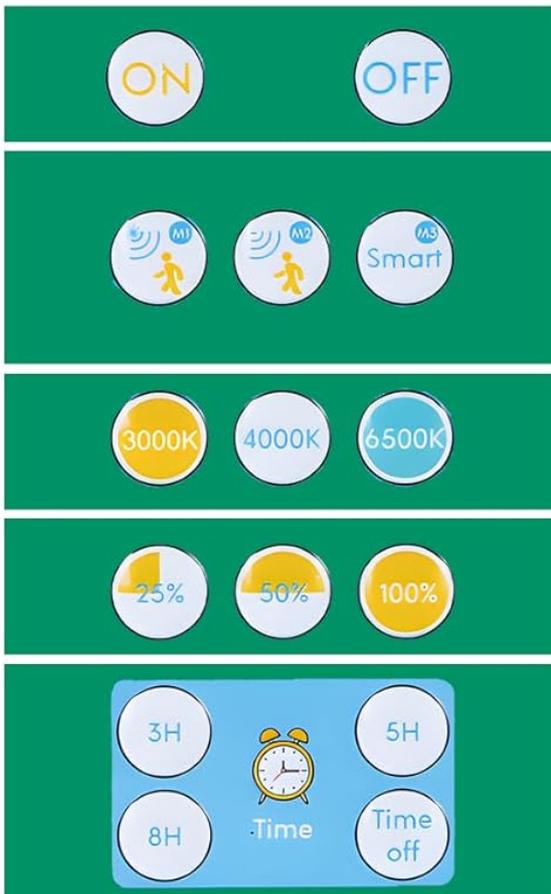
Wall Mount: Secure the lamp unit to a wall using appropriate screws and anchors. Ensure the universal wheel is tightened after adjusting the angle.

Suspended Mount: Hang the lamp unit from a suitable overhead structure. The cable length provides flexibility for placement.

OPERATING INSTRUCTIONS

The Aigostar Solar Outdoor Light is controlled via the included remote control. The remote has a range of up to 6 meters.

Remote Control Functions:



Turn on/Turn off

Sensing Mode

M1: Dim light after people leave
M2: Turn off the lights after people leave
M3: Automatically lights up after dark

**Color temperature adjustment:
3000K/4000K/6500K**

Brightness adjustment: 25%/50%/100%

Timing: 3H/5H/8H cancel timing

Figure 3: Remote Control Overview. This image displays the remote control with buttons for power, sensing modes (M1, M2, M3), color temperature (3000K, 4000K, 6500K), brightness levels (25%, 50%, 100%), and timer settings (3H, 5H, 8H, Time Off).

- **ON/OFF:** Press to turn the light on or off manually.
- **Sensing Modes:**
 - **M1 (Dim Light after people leave):** The light stays dim and brightens to full intensity when motion is detected. It returns to dim after motion ceases.
 - **M2 (Turn off the lights after people leave):** The light remains off and turns on to full intensity when motion is detected. It turns off completely after motion ceases.
 - **M3 (Automatically lights up after dark):** The light automatically turns on at a set brightness after dark, without motion detection.
- **Color Temperature Adjustment:** Select between 3000K (Warm White), 4000K (Neutral White), and 6500K (Cool White).
- **Brightness Adjustment:** Set the brightness to 25%, 50%, or 100%.
- **Timing (Timer):** Set the light to operate for 3 hours, 5 hours, or 8 hours. "Time Off" cancels the timer.

Motion Sensor Operation:

The motion sensor has a 360° detection angle and a range of 8-10 meters. It activates the light based on the selected sensing mode.

3 Motion Sensor Modes

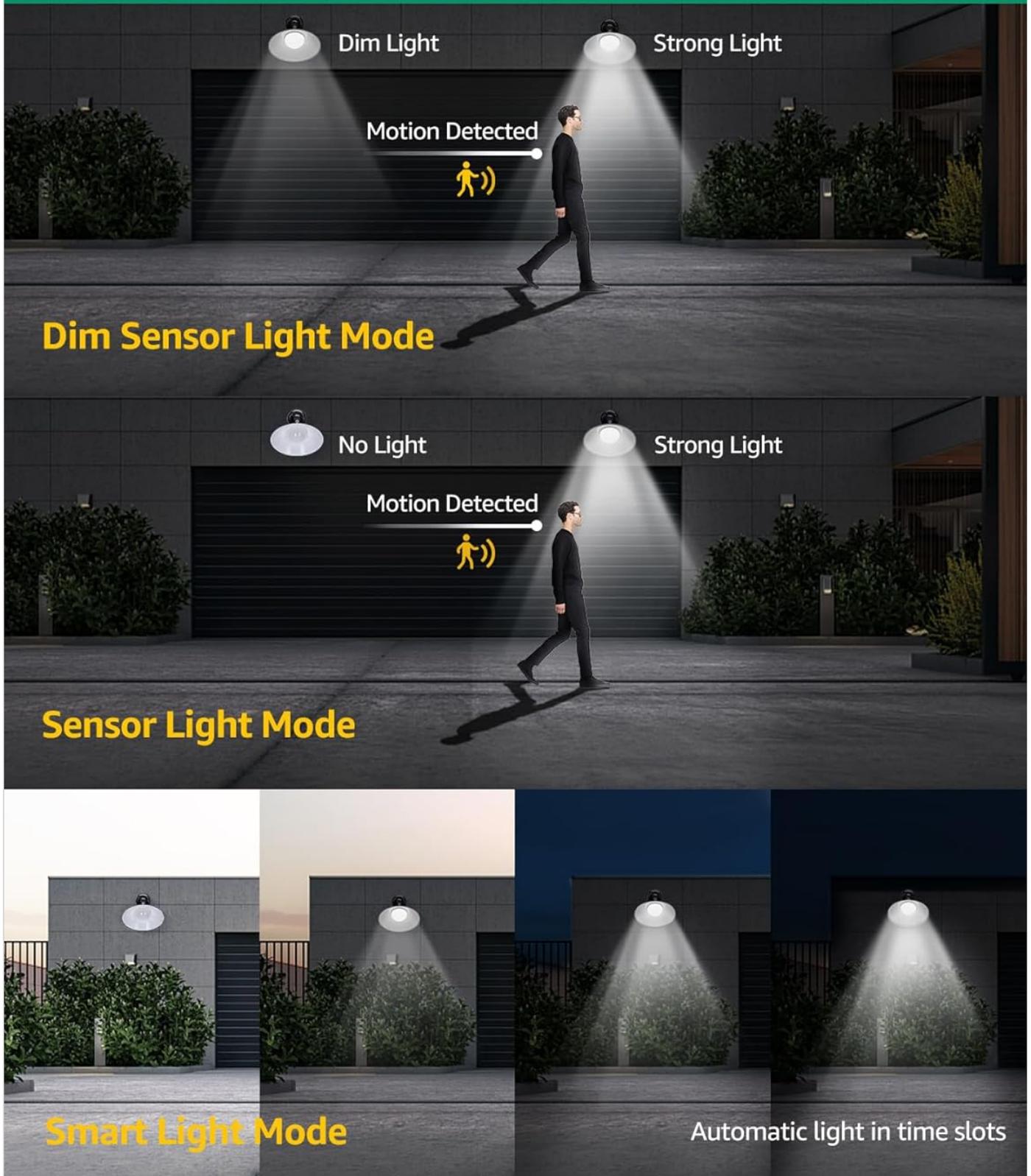


Figure 4: Motion Sensor Modes. This image visually explains the three sensing modes: **Dim Sensor Light Mode (M1)** where the light is dim and brightens upon motion, **Sensor Light Mode (M2)** where the light is off and turns on upon motion, and **Smart Light Mode (M3)** which provides automatic illumination after dark.

- **Cleaning:** Regularly wipe the solar panel with a soft, damp cloth to remove dust, dirt, or debris. A clean panel ensures optimal charging efficiency.
- **Battery:** The integrated lithium-ion battery is designed for long-term use. No user maintenance is required for the battery itself. Ensure the solar panel receives sufficient sunlight daily.
- **Environmental Conditions:** The IP65 rating ensures protection against dust and water jets. The light is designed to withstand extreme weather conditions from -30°C to 85°C.



IP65 Waterproof, -30°C ~ 85°C
Withstand Extreme Weather for Multi-Season Outdoor Use

Figure 5: Weather Resistance. This image demonstrates the product's durability in diverse weather, including rain, bright sun, and

snow, emphasizing its IP65 waterproof rating and ability to operate between -30°C and 85°C.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on at night.	Insufficient solar panel charging.	Ensure the solar panel is placed in direct sunlight for 4-6 hours daily. Clean the solar panel surface.
Motion sensor not working.	Incorrect sensing mode selected or obstruction.	Check remote control settings (M1, M2). Ensure no obstructions are blocking the sensor.
Remote control not responding.	Remote battery depleted or out of range.	Replace the remote control battery. Ensure you are within the 6-meter operating range.
Light output is dim.	Low battery charge or brightness setting.	Allow the solar panel to charge fully. Adjust brightness to 50% or 100% using the remote.

SPECIFICATIONS

Feature	Detail
Brand	Aigostar
Model Number	SSP-Microwave Sensor-G
Power	50W LED
Luminous Flux	500 lumen
Color Temperature	Adjustable: 3000K / 4000K / 6500K
Battery Capacity	5000 mAh Lithium-ion
Charging Time	4-6 hours (direct sunlight)
Illumination Time	Up to 12 hours (on full charge)
Motion Sensor Angle	360°
Motion Sensor Distance	8-10 meters
Remote Control Range	6 meters
Cable Length (Solar Panel to Lamp)	3 meters
Waterproof Rating	IP65
Material	Plastic
Product Dimensions (L x W x H)	18.5 x 19.5 x 11.5 cm
Item Weight	620 grams
Installation Type	Wall mount, Suspended mount

WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the purchase platform or contact Aigostar customer service directly. Details regarding spare parts availability and software updates are not provided in the product specifications.

For further assistance, please visit the official Aigostar website or contact your retailer.

