

CLAONER SL010AB

CLAONER Solar Lights Outdoor (Model SL010AB) - Instruction Manual

Brand: CLAONER | Model: SL010AB

1. INTRODUCTION

This manual provides detailed instructions for the CLAONER Solar Lights Outdoor, Model SL010AB. Designed for outdoor use, these motion-activated security lights feature 128 LEDs, a 270° wide-angle illumination, and three distinct working modes. This guide will assist you with installation, operation, maintenance, and troubleshooting to ensure optimal performance.

2. SAFETY INFORMATION

- Read all instructions before installation and use.
- Do not disassemble or modify the product. This may cause damage or injury.
- Keep away from open flames or high temperatures.
- Ensure the solar panel receives direct sunlight for efficient charging.
- Do not stare directly into the LED light source.
- Dispose of batteries according to local regulations.

3. PACKAGE CONTENTS

- 1 x CLAONER Solar Light Outdoor (Model SL010AB)
- Screws for installation
- Double-sided tape for installation

4. PRODUCT FEATURES

- **Upgraded Solar Outdoor Lights:** Features a 270° illumination angle for broader coverage.
- **Brighter & Larger Coverage Lighting:** Equipped with 128 reflector LED beads and an enhanced PIR motion inductor providing powerful motion sensitivity up to 12-20 feet with a 120° detection angle.
- **High Efficiency & Eco-Friendly:** Utilizes a monocrystalline solar panel with up to 22% energy conversion efficiency. Provides 8-12 hours of continuous illumination after 6-8 hours of direct sunlight exposure.

- **Easy Installation & IP65 Waterproof:** Offers two installation methods (screws or double-sided tape). Constructed from high-strength ABS material with an IP65 waterproof rating, making it heat-resistant and frost-resistant for all-weather durability.
- **3 Optional Lighting Modes:** Choose from Normally On (medium light), Dim Light Sensor (dim light, brightens with motion), or High Light Sensor (off, brightens with motion).

5. SETUP

5.1 Choosing a Location

Select a location where the solar panel can receive direct sunlight for at least 6-8 hours daily. Avoid areas under eaves, trees, or other obstructions that might block sunlight or motion detection.

5.2 Installation Methods

The CLAONER Solar Light offers two convenient installation methods:

1. Method 1 (Screws):

- Drill a hole at the desired mounting point.
- Insert the expansion pillar-hinge (if needed for your surface).
- Align the light with the hole and secure it with the provided screw.

2. Method 2 (Double-sided Tape):

- Clean the mounting surface thoroughly.
- Peel off the protective film from the double-sided tape.
- Firmly press the light onto the desired surface for several seconds.



Compact size,
Suitable for door,
garage, yard, etc



Press it Once,
twice and three times to
switch different modes

1 2
3 4



Install Method 1:
Drill one hole and install the
light with the screws(Included)



Install Method 2:
Stick it with adhesive
tape(Included)

The image illustrates two ways to mount the solar light. The top left shows the compact size of the light with dimensions (11.2cm/4.4in width, 10.7cm/4.2in height, 5.9cm/2.3in depth, 8.1cm/3.2in sensor height). The top right shows a finger pressing the mode button. The bottom left shows installation with screws into a brick wall. The bottom right shows installation using double-sided adhesive tape on a smooth surface.



This image displays the dimensions of the solar light: 11.2cm (4.4in) width, 10.7cm (4.2in) height, and 5.9cm (2.3in) depth, with the sensor extending 8.1cm (3.2in). It also highlights the IP65 'All Weather Ready' rating, indicating it is waterproof, heat-resistant, and frost-resistant.

6. OPERATING INSTRUCTIONS

6.1 Initial Activation

Before first use, ensure the light is charged under direct sunlight for at least 6-8 hours.

6.2 Mode Selection

Press the mode button on the front of the light to cycle through the three available lighting modes:

- **Mode 1 (Constant On Mode):** The light stays on at medium brightness throughout the night.
- **Mode 2 (Dim Light Sensor Mode):** The light stays on at dim brightness. When motion is detected, it switches to high brightness for approximately 20 seconds. If no motion is detected, it returns to dim light.
- **Mode 3 (High Light Sensor Mode):** The light remains off. When motion is detected, it switches to high brightness for approximately 20 seconds. If no motion is detected, it turns off.

6.3 Motion Sensor

The enhanced PIR motion inductor detects motion up to 12-20 feet away within a 120° detection angle. Each lighting duration is approximately 20 seconds and can be extended if motion is detected again.

6.4 Automatic Operation

The light automatically charges during the day and activates its selected mode at night or in dark conditions.



This image visually explains the three lighting modes. Mode 1 (Constant On) shows the light maintaining medium brightness. Mode 2 (Dim Light Sensor) shows the light in dim mode, brightening to high when motion is detected, then returning to dim. Mode 3 (High Light Sensor) shows the light off, brightening to high when motion is detected, then turning off. All modes indicate a 120° detect angle.



The image depicts the solar light's energy cycle: 'Charging during the day' with sunlight hitting the solar panel, and 'Automatic lighting in the dark' with the light illuminated at night. It also highlights 'UP TO 22%' efficiency, referring to the solar panel's energy conversion rate.

7. MAINTENANCE

- **Cleaning:** Regularly wipe the solar panel with a soft, damp cloth to remove dust, dirt, or debris. A clean solar panel ensures efficient charging.
- **Battery:** The integrated rechargeable battery is designed for long-term use. If the light's performance significantly degrades over time, ensure the solar panel is clean and receiving adequate sunlight. Battery replacement is not typically user-serviceable.
- **Inspection:** Periodically check the mounting to ensure the light remains securely attached.

8. TROUBLESHOOTING

- **Light does not turn on at night:**

- Ensure the solar panel is clean and free from obstructions.
- Verify the light is installed in a location receiving direct sunlight for at least 6-8 hours daily.
- Check if the selected mode is appropriate (e.g., Mode 3 will only turn on with motion).
- Allow the light to charge for a full sunny day before first use.

- **Light stays dim or only lights for a short period:**

- The battery may not be fully charged. Ensure sufficient direct sunlight exposure.
- The ambient temperature might be too low, affecting battery performance.
- Ensure the solar panel is clean.

- **Motion sensor is not working:**

- Ensure the light is in Mode 2 or Mode 3.
- Verify there are no obstructions blocking the sensor's detection range.
- Test the sensor by walking within its detection area (12-20 feet, 120° angle).

9. SPECIFICATIONS

Brand	CLAONER
Model Number	SL010AB
Light Source	128 LED
Illumination Angle	270°
Motion Detection Range	12-20 feet
Motion Detection Angle	120°
Power Source	Solar Powered
Material	Acrylonitrile Butadiene Styrene (ABS)
Water Resistance Level	IP65 Waterproof
Brightness	1600 lumens (Max)
Charging Time	Approx. 6-8 hours (direct sunlight)
Working Time	Approx. 8-12 hours (after full charge)
Lighting Modes	3 (Constant On, Dim Sensor, High Sensor)
Included Components	Screws, Double-sided tape
Color	White (Light Color: Cold White)

10. WARRANTY INFORMATION

Please refer to your purchase documentation or the CLAONER official website for specific warranty terms and conditions. Warranty coverage typically includes defects in materials and workmanship under normal use.

11. CUSTOMER SUPPORT

For further assistance, technical support, or inquiries regarding your CLAONER Solar Lights Outdoor (Model SL010AB), please visit the official [CLAONER Amazon Store](#) or contact the seller directly through your purchase platform.

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