

CLY SL-SP06

CLY Solar 6-in-1 RGB Spotlights Outdoor Garden User Manual

Model: SL-SP06 | Brand: CLY

1. INTRODUCTION

Thank you for choosing the CLY Solar 6-in-1 RGB Spotlights. This product is designed to provide versatile and energy-efficient lighting for your outdoor spaces, including gardens, patios, lawns, and pathways. Featuring 10 colors, 12 dynamic modes, and remote control functionality, these IP66 waterproof spotlights are built for durability and ease of use. Please read this manual carefully before installation and operation to ensure optimal performance and longevity of your solar lights.

2. PRODUCT OVERVIEW

2.1 Package Contents

Ensure all components are present in your package:

- 6 x Solar Spotlights
- 1 x Control Box
- 1 x Remote Control
- 1 x Instruction Manual
- Ground Stakes and Wall Mounting Screws/Anchors



Figure 2.1: Included Components

2.2 Key Features

- Energy Saving Solar Power:** Equipped with a 6V/6W solar panel and 6000mAh battery for automatic charging during the day and illumination at night.
- Vibrant RGB Lighting:** Offers 10 static colors and 12 dynamic lighting modes to suit various moods and occasions.
- Dual Brightness Levels:** Adjustable between high and low brightness settings.
- RF 360° Remote Control:** Control lights from up to 12 meters away without direct line of sight.
- Timing Function:** Set lights to automatically turn off after 2, 4, or 6 hours.
- Memory Function:** Remembers the last light setting when turned on again.
- Durable & Waterproof:** IP66 rated for resistance against rain, snow, and extreme temperatures (-25°C to 55°C).
- Flexible Installation:** Can be embedded in the ground or wall-mounted.
- Long Cable Length:** 5M (16.4ft) cable between solar panel and control box, and 2.5M (8.2ft) cables for each spotlight, totaling 18M (59.06ft) for flexible placement.

3. SETUP AND INSTALLATION

3.1 Choosing an Installation Location

For optimal performance, select a location for the solar panel that receives direct sunlight for 8-10 hours daily. The spotlights can be placed in desired areas, utilizing the long cable for flexibility.

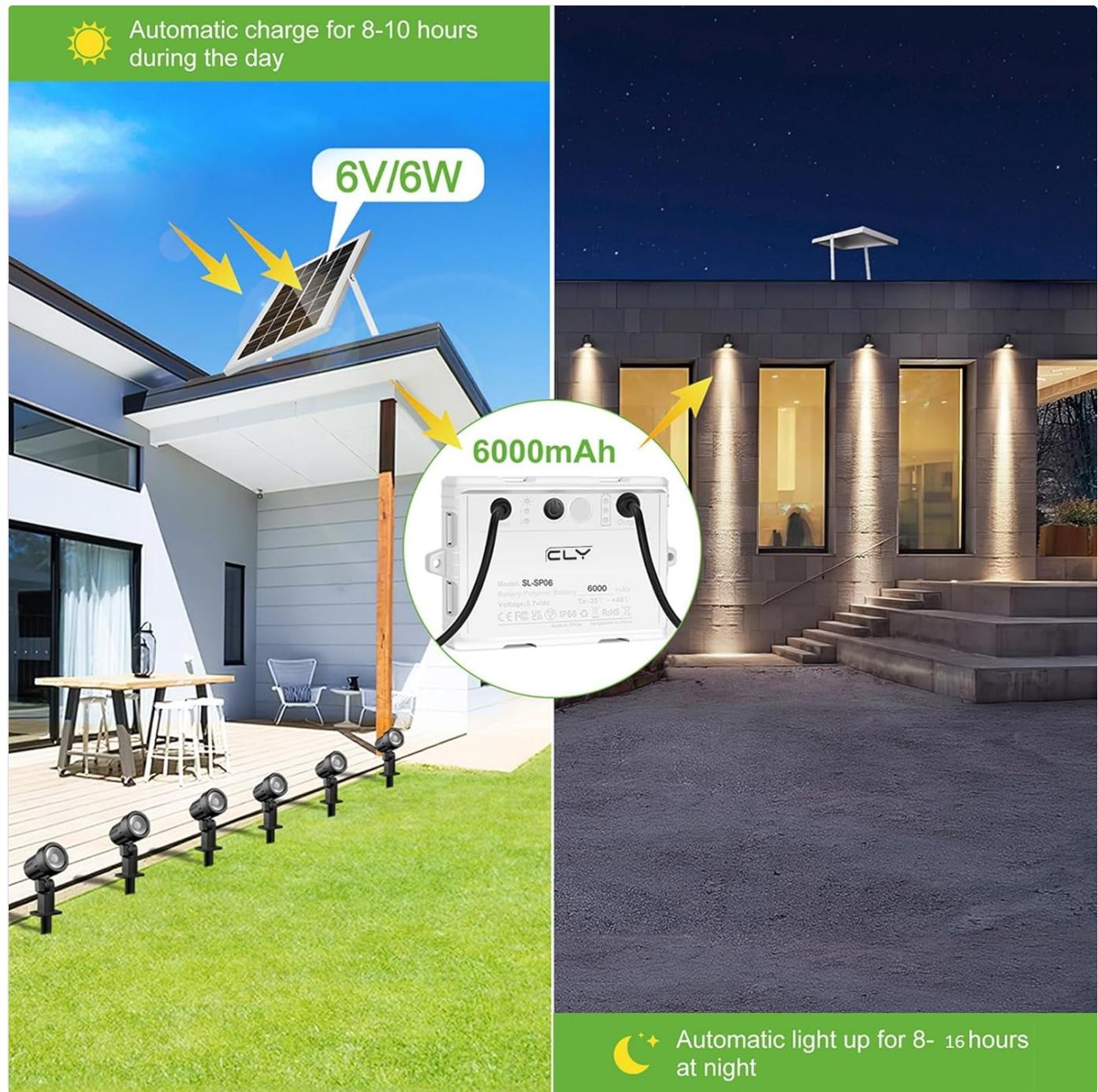


Figure 3.1: Solar Panel Placement for Optimal Charging

3.2 Installation Methods

The CLY Solar Spotlights offer two primary installation methods:

Method 1: Ground Insertion

1. Attach the ground stakes to the bottom of each spotlight and the solar panel stand.
2. Firmly insert the assembled spotlights and solar panel into soft ground in your desired locations.

Method 2: Wall Mounting

1. Use the provided screws and anchors to fix the base of the spotlights and solar panel stand to a wall or other solid surface.
2. Ensure the mounting surface is stable and can support the weight of the lights.

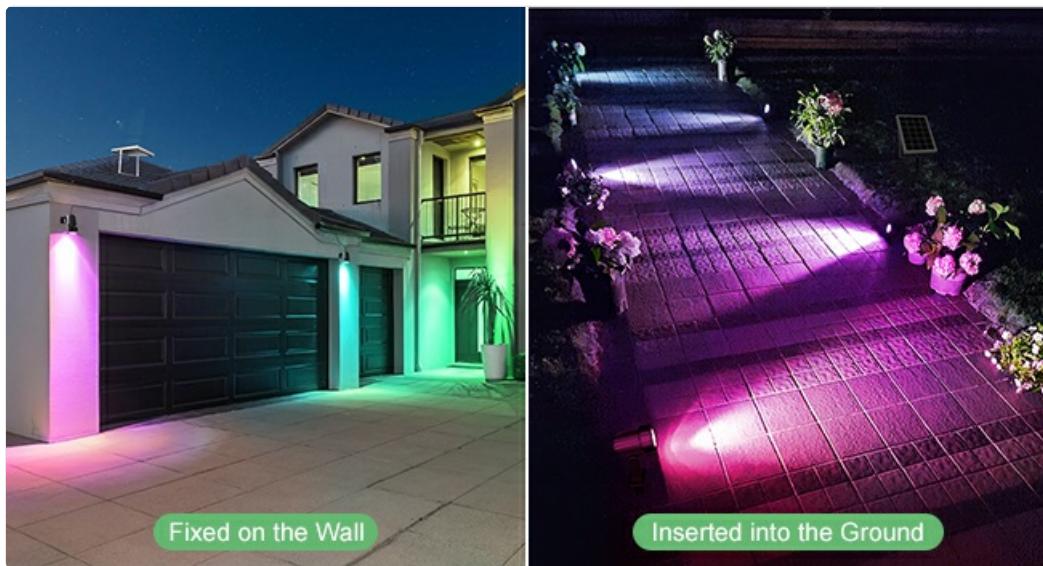


Figure 3.2: Product Dimensions and Cable Lengths



Figure 3.3: Installation Options (Wall Mounted and Ground Inserted)

3.3 Connecting Components

Connect the solar panel cable to the "Input" port on the control box. Connect each spotlight cable to the "Output" ports on the control box. Ensure all connections are secure and waterproof.

Adjust the solar panel to face the sun directly for maximum charging efficiency. The light heads can be adjusted 180° to illuminate different directions.

4. OPERATING INSTRUCTIONS

4.1 Automatic Operation

The CLY Solar Spotlights are designed for automatic operation. During the day, the solar panel charges the internal battery. At dusk, the lights will automatically turn on. At dawn, they will turn off and begin charging again.



Figure 4.1: Day and Night Automatic Operation

4.2 Remote Control Functions

Use the included RF 360° remote control to customize your lighting experience. The remote can operate the lights from up to 12 meters (39.3 feet) away, even through obstacles like walls.

RF Remote Control

Within 12 meters, it can be controlled remotely without aiming, and the radio frequency signal can penetrate obstacles such as walls

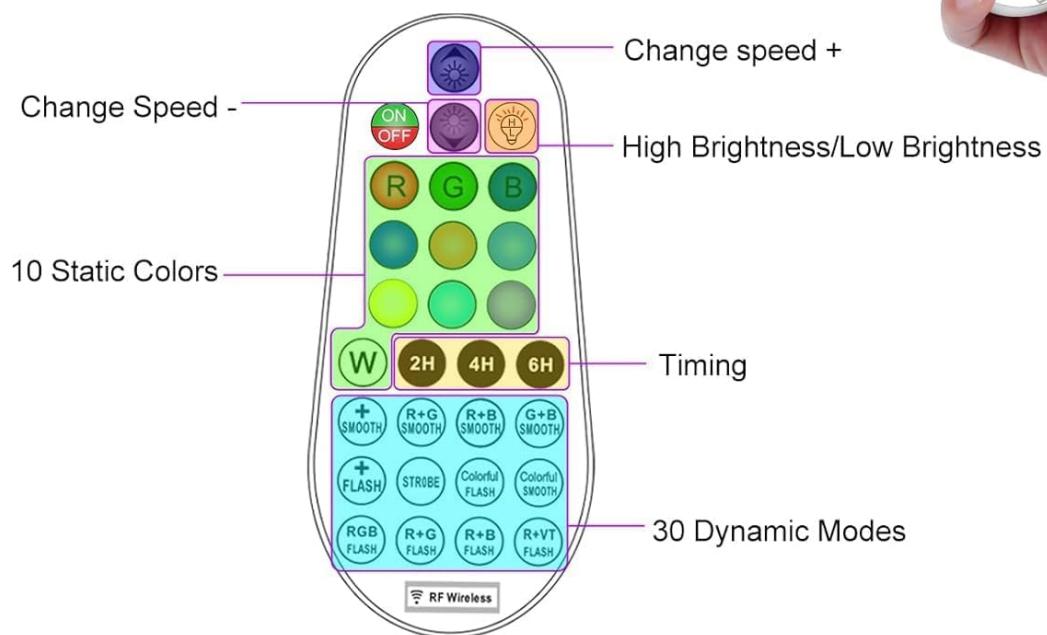


Figure 4.2: Remote Control Layout and Functions

- **ON/OFF:** Turns the lights on or off.
- **H/L (High/Low Brightness):** Toggles between two brightness levels.
- **RGBW Buttons:** Select Red, Green, Blue, or Warm White static colors.
- **Color Buttons:** Choose from 10 static colors (Red, Green, Blue, Warm White, Purple, Orange, Indigo, Yellow, Cyan, Magenta).
- **Timing (2H/4H/6H):** Sets the lights to turn off automatically after 2, 4, or 6 hours.
- **Dynamic Modes:**
 - **Smooth/Flash/Strobe:** Cycles through various color-changing effects.
 - **R+B/R+G/G+B:** Specific color combinations for dynamic effects.
 - **Speed +/-:** Adjusts the speed of dynamic modes.

10 Static Colors

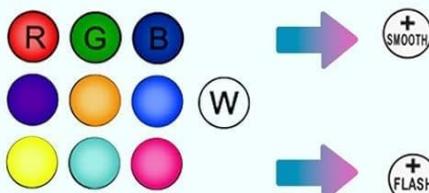


2 Kinds of Brightness



Figure 4.3: 10 Static Colors and 2 Brightness Levels

12 Dynamic Modes



In any single-color lighting mode, press this button, it will change current color to gradient light



In any single-color lighting mode, press this button to change the current color to strobe light



Figure 4.4: 12 Dynamic Lighting Modes

4.3 Memory Function

The lights feature a memory function. When the lights are turned off, they will retain the last selected color, brightness, or dynamic mode setting and resume that setting when turned on again.



Timing Function

Set 2H/4H/6H lighting time, light will be turned off automatically



Memory Function

After the light is turned off, it will still be the last set mode when it is illuminated again



Figure 4.5: Timing and Memory Functions

5. MAINTENANCE

To ensure the long-term performance of your CLY Solar Spotlights, follow these maintenance guidelines:

- **Clean Solar Panel:** Regularly wipe the solar panel with a soft, damp cloth to remove dust, dirt, and debris. A clean panel ensures maximum sunlight absorption and charging efficiency.
- **Check Connections:** Periodically inspect all cable connections to the control box and spotlights to ensure they remain secure and free from corrosion.
- **Clear Obstructions:** Ensure no trees, bushes, or other objects are shading the solar panel, especially during peak sunlight hours.
- **Battery Care:** While the battery is designed for longevity, avoid prolonged periods of storage without charging. If storing for an extended time, ensure the battery is fully charged before storage and recharge every few months.
- **Weather Resistance:** The lights are IP66 waterproof and designed to withstand temperatures from -25°C to 55°C. No special winterization is typically required, but clearing heavy snow from the solar panel is recommended for continued operation.



Figure 5.1: Durability Features (Cold, Waterproof, Heat Resistant)

6. TROUBLESHOOTING

If you encounter issues with your CLY Solar Spotlights, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Lights do not turn on at night.	Insufficient solar panel charging. Solar panel is dirty or obstructed. Battery is depleted or faulty. Lights are in OFF mode.	Ensure solar panel receives 8-10 hours of direct sunlight daily. Clean the solar panel surface. Check battery indicator lights on the control box. Allow several days of charging. Press the ON button on the remote control.
Lights are dim or only stay on for a short time.	Insufficient charging. Battery capacity reduced due to age or extreme temperatures. Set to high brightness mode, consuming more power.	Relocate solar panel for better sun exposure. Ensure solar panel is clean. Switch to low brightness mode for longer illumination.
Remote control is not working.	Remote battery is dead. Obstruction between remote and control box. Remote not paired (unlikely for RF, but check manual if specific pairing is mentioned).	Replace the CR5 battery in the remote control. Ensure the control box is not completely hidden behind dense objects. Try operating closer to the control box.
Settings (color, mode, timer) are not retained.	Power interruption or complete battery depletion. Rare software glitch.	Ensure consistent charging. Re-apply desired settings with the remote. If issue persists, contact customer support.

6.1 Control Box Indicator Lights

The control box features indicator lights to provide status information:

- **Brightness Indicator Light:** Green for low brightness, Red for high brightness.
- **Charging Indicator Light:** Red light stays on during charging.
- **Working Indicator Light:** Green light indicates the battery box is working normally.
- **Battery Indicator Lights:**

- 30% power: 1 light on
- 70% power: 2 lights on
- 100% power: 3 lights on
- Less than 30% power: No indicator lights.



- **1. Brightness indicator light:**
 - Low brightness: green light
 - High brightness: red light

- **Battery Indicator Light:**
 - 30% power --- 1 light on
 - 70% power --- 2 lights on
 - 100% power --- 3 lights on
 - Less than 30% power - no indicator lights

- **Charging indicator light:**
 - the red light stays on during charging

- **2. Working indicator light:**
 - the green light means that the battery box can work normally

Figure 6.1: Control Box Indicator Lights

7. SPECIFICATIONS

Brand	CLY
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Model Number	SL-SP06
Color	RGB (Red, Green, Blue)
Material	Aluminum, Plastic
Power Source	Solar Powered
Solar Panel	6V/6W
Battery Capacity	6000mAh
Water Resistance Level	IP66
Operating Temperature	-25°C to 55°C (-13°F to 131°F)
Control Method	Remote Control (RF 360°)
Remote Control Distance	Up to 12m (39.3ft)
Cable Length (Solar Panel to Control Box)	4.5M (14.76ft)
Cable Length (Control Box to Spotlights)	2.5M (8.2ft) per spotlight
Number of Lights	6
Product Dimensions	7.6"L x 7.7"W x 9.45"H (approximate, assembled)
Item Weight	3.94 pounds
Included Batteries	1 CR5 battery (for remote)

8. WARRANTY AND SUPPORT

CLY provides a **2-year replacement service** for this product. If you experience any issues or have questions regarding your CLY Solar Spotlights, please do not hesitate to contact our customer service team.

You can find our service email address in the physical instruction manual included with your product. Alternatively, you may contact us through the Amazon platform, and we will endeavor to reply within 24 hours.

We are committed to providing reliable and satisfactory high-quality lighting products and excellent customer support.

	<p>CLY High Voltage Remote Control Induction Floodlight Manual</p> <p>This document provides instructions and specifications for the CLY High Voltage Remote Control Induction Floodlight, model B04-23RFLB-C-A. It covers installation, operation, and technical details for various models.</p>
	<p>CLY LED Floodlights and Spotlights - Product Overview and Specifications</p> <p>Comprehensive overview of CLY LED floodlights and spotlights, including technical specifications, features, and installation guidance. Featuring durable, high-lumen lighting solutions for outdoor and industrial applications.</p>