CLY RGB

CLY RGB Solar Spotlights (6-Pack) User Manual

Model: RGB

1. Introduction

Thank you for choosing the CLY RGB Solar Spotlights. This 6-pack outdoor lighting system is designed to provide versatile and energy-efficient illumination for your garden, patio, or pathways. Featuring a high-efficiency solar panel, a large capacity battery, and a comprehensive remote control, these lights offer a wide range of colors and dynamic modes to enhance any outdoor setting. Please read this manual carefully before installation and use to ensure optimal performance and longevity of your product.

2. Package Contents

Verify that all components are present in your package:

- 1 x LED Solar Lamp (Control Box with Solar Panel)
- 6 x RGB Spotlights
- 1 x RF Remote Control
- 1 x User Manual
- Mounting Hardware (screws, ground stakes)

3. Product Features

- **High-Efficiency Solar Panel:** Equipped with a 6V 6W monocrystalline silicon solar panel, offering a 25% solar conversion rate. The panel is 360° adjustable for optimal sunlight absorption.
- **Large Capacity Battery:** Integrated 6000mAh lithium-polymer battery provides 8 to 16 hours of illumination after 6 to 8 hours of daytime charging.
- **Versatile Lighting Options:** Features 10 static colors with 2 adjustable brightness levels, and 30 dynamic modes with adjustable speed. Includes a 6000K cool white light option for security.
- **Timer Function:** Set the lights to automatically turn off after 2, 4, or 6 hours.
- **Memory Function:** The lights remember your last selected mode and color setting when reactivated.
- **360° RF Remote Control:** The included RF remote control allows for omnidirectional operation up to 12 meters, even

through obstacles.

- **Durable and Weatherproof:** IP66 waterproof rating ensures resistance to water, heat, and cold. Designed to withstand temperatures from -25°C to 45°C (-13°F to 104°F).
- **4-in-1 Control Box:** Includes indicators for brightness level, power status, charging status, and battery level (30%-70%-100%).
- **Flexible Installation:** Supports both ground stake and wall-mounted installations. Features a 5-meter waterproof cable between the solar panel and the spotlights, and 180° adjustable lamp heads for directional lighting.

4. Installation

The CLY RGB Solar Spotlights offer two primary installation methods: ground insertion and wall mounting.

4.1. Choosing an Installation Location

Select a location for the solar panel that receives direct sunlight for at least 6-8 hours daily. The spotlights can be placed in desired areas, connected to the solar panel via the 5-meter cable.

4.2. Ground Insertion Installation

1. Attach the ground stake to the bottom of each spotlight and the solar panel.
2. Firmly insert the stakes into soft ground in your desired locations.
3. Adjust the angle of the solar panel to face the sun directly.
4. Adjust the angle of each spotlight to illuminate the target area.

4.3. Wall Mounting Installation

1. Use the provided screws and anchors to secure the mounting brackets for the solar panel and spotlights to a wall or fence.
2. Attach the solar panel and spotlights to their respective brackets.
3. Adjust the angle of the solar panel for optimal sun exposure.
4. Adjust the angle of each spotlight to direct light as needed.



Image: The CLY RGB Solar Spotlights can be installed by inserting them into the ground or mounting them on a wall, offering flexible placement options for various outdoor environments.



Image: Detailed diagram illustrating the dimensions of the solar panel (19cm x 24cm), control box (14cm x 10.3cm), and spotlights (19.5cm height). The control box features brightness, charging, working, and battery indicator lights for easy monitoring.

5. Operation

The CLY RGB Solar Spotlights are designed for automatic operation and can be controlled using the included RF remote.

5.1. Automatic Operation

The solar panel charges the battery during the day (6-8 hours). The lights will automatically turn on at dusk and turn off at dawn, providing illumination for 8-16 hours depending on the charge and selected brightness.



Image: Illustration showing the solar panel absorbing sunlight for 8-10 hours during the day to charge the 6000mAh battery, and the spotlights automatically illuminating for 8-20 hours at night.

5.2. Remote Control Functions

The RF remote control allows you to customize your lighting experience. Ensure the remote has a clear line of sight or is within the 12-meter range for optimal performance.



Image: The RF remote control features buttons for power ON/OFF, 10 static colors (Red, Green, Blue, Cyan, Purple, Indigo, Orange, Yellow, Magenta, White), 2 brightness levels, 30 dynamic modes, adjustable speed, timer functions (2H, 4H, 6H), and memory function. The remote operates with a 360° signal and a control distance of up to 12 meters.

- **ON/OFF:** Power the lights on or off.
- **RGB Buttons:** Select Red, Green, or Blue static colors.
- **Color Buttons:** Choose from 10 static colors (Red, Green, Blue, Cyan, Purple, Indigo, Orange, Yellow, Magenta, White).
- **Brightness Adjustment:** Toggle between 2 brightness levels.
- **Dynamic Modes:** Select from 30 dynamic modes, including multi-color flash, smooth transitions, and strobe effects.
- **Speed Adjustment:** Increase or decrease the speed of dynamic modes.
- **Timer Function:** Press **2H**, **4H**, or **6H** to set the lights to automatically turn off after the selected duration.
- **Memory Function:** The lights will automatically recall the last used mode and color setting when turned on again.



Image: The spotlights can display 10 static colors (RGB + White) and offer two adjustable brightness levels, providing options for both high brightness (up to 10 hours) and low brightness (up to 20 hours) illumination.

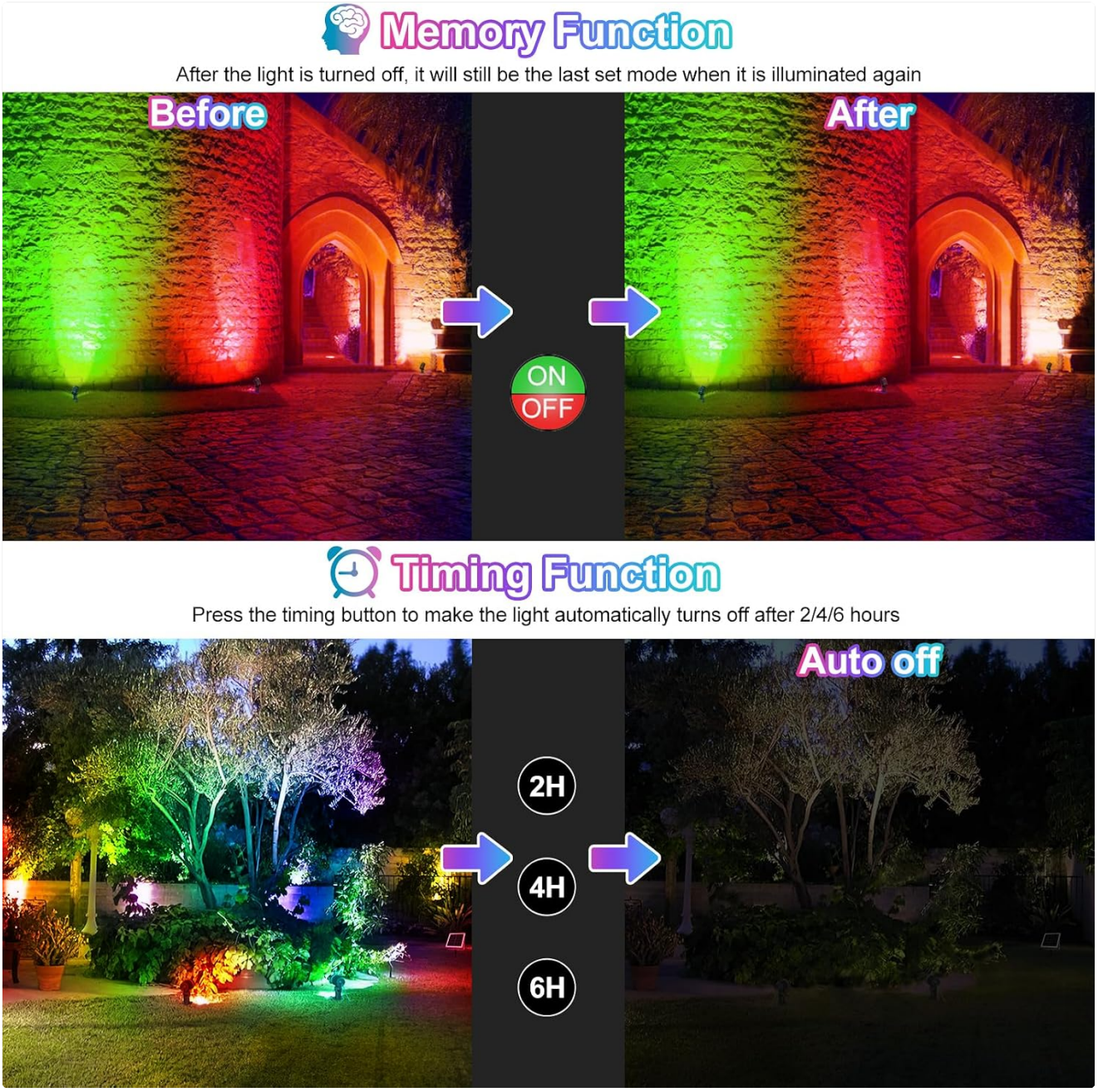


Image: Visual representation of 30 dynamic modes, including 10 multi-color dynamic modes, 10 DIY gradient modes, and 10 DIY strobe modes. The speed of these modes can be adjusted to create various lighting effects.



Image: Demonstration of the Memory Function, where the lights retain the last setting after being turned off and on again. The Timer Function allows automatic shutdown after 2, 4, or 6 hours, as indicated by the remote control buttons.

6. Maintenance

To ensure the longevity and optimal performance of your CLY RGB Solar Spotlights, follow these maintenance guidelines:

- **Clean Solar Panel:** Regularly wipe the solar panel with a soft, damp cloth to remove dust, dirt, leaves, or snow. A clean panel ensures maximum sunlight absorption and charging efficiency.
- **Check Connections:** Periodically inspect all cable connections to ensure they are secure and free from damage.
- **Battery Care:** The integrated lithium-polymer battery is designed for long life. Avoid prolonged storage in a completely discharged state. If storing for an extended period, ensure the battery is fully charged.
- **Environmental Factors:** While the lights are IP66 waterproof and weather-resistant, extreme conditions (e.g., heavy snow accumulation on the panel) may temporarily affect performance. Clear any obstructions from the solar panel as needed.



Image: The CLY RGB Solar Spotlights are built to withstand various weather conditions, featuring IP66 waterproofing, heat resistance, and frost resistance, making them suitable for year-round outdoor use.

7. Troubleshooting

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

Problem	Possible Cause	Solution
Lights do not turn on at night.	Insufficient solar panel charging.	Ensure the solar panel is placed in direct sunlight for 6-8 hours daily. Clean the solar panel surface.
Lights are dim or run for a short duration.	Battery not fully charged or low brightness setting.	Allow more charging time. Check the brightness setting on the remote control. Ensure no shadows are cast on the solar panel.
Remote control is not working.	Remote battery low or out of range.	Replace the remote control battery. Ensure you are within the 12-meter range and there are no significant obstructions.

Problem	Possible Cause	Solution
Lights flicker or behave erratically.	Loose connection or internal fault.	Check all cable connections. If the problem persists, contact customer support.

8. Specifications

Feature	Detail
Model Number	RGB
Brand	CLY
Power Source	Solar Powered
Solar Panel	6V 6W Monocrystalline Silicon
Battery	1 x 6000mAh Lithium-polymer (included)
Light Color	RGB (10 static colors) + 6000K Cool White
Brightness Levels	2 adjustable levels
Dynamic Modes	30 (with adjustable speed)
Control Method	RF Remote Control
Remote Control Range	Up to 12 meters
Waterproof Rating	IP66
Working Temperature	-25°C to 45°C (-13°F to 104°F)
Product Dimensions (L x W x H)	19 x 11 x 27 cm (approximate for main unit)
Weight	1.79 kilograms
Cable Length (Solar Panel to Lights)	5 meters
Number of Spotlights	6
Material	Acrylonitrile Butadiene Styrene (ABS)

9. Warranty and Support

CLY is committed to providing high-quality products and excellent customer service.

- **Warranty Period:** We provide a 2-year replacement service for this product.
- **Contact Support:** If you have any questions, concerns, or require assistance, please contact us via Amazon or through the service email address provided in your product documentation. We aim to respond within 24 hours.

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Video: An overview of the CLY RGB Solar Spotlights, showcasing their features, automatic charging, various color modes, and remote control functionality in an outdoor setting.