T-SUNUS TS-S4201-1H-RGB-V2

T-SUNUS RGB Solar Landscape Spotlights User Manual

Model: TS-S4201-1H-RGB-V2

1. Introduction

Thank you for choosing the T-SUNUS RGB Solar Landscape Spotlights. This manual provides essential information for the safe and efficient operation, installation, and maintenance of your new solar lights. Please read this manual thoroughly before use and retain it for future reference.

2. Safety Information

- Ensure the solar panel is placed in an area receiving direct sunlight for optimal charging.
- Keep the product away from open flames or high temperatures.
- Do not attempt to disassemble or modify the product, as this may void the warranty and pose safety risks.
- This product contains a built-in Lithium-Ion battery. Do not dispose of the battery in fire or trash. Recycle or dispose of properly according to local regulations.
- Avoid placing the solar panel near other strong light sources at night, as this may prevent the lights from activating automatically.
- The product is IP65 waterproof, suitable for outdoor use in various weather conditions, but avoid submerging it in water.

3. Package Contents

Please check the package to ensure all components are present:

- T-SUNUS RGB Solar Spotlight(s)
- Solar Panel with Ground Stake
- Ground Stake for Spotlight(s)
- Mounting Screws and Wall Plugs (for wall installation)
- User Manual



Image: Components of the T-SUNUS RGB Solar Landscape Spotlight system, including the solar panel, spotlight, and ground stakes.

4. Product Features

- **Dynamic Color Options:** Offers six distinct light options including Red, Green, Blue, Indigo, Purple, and a unique warm color (fusion of red and green LEDs).
- **Solar Powered:** Equipped with a high-efficiency solar panel (20% conversion rate) for automatic charging during the day.
- **Automatic Operation:** Lights automatically turn on at dusk and off at dawn.
- **Adjustable Design:** Solar panel can be rotated 90° and the light head 270° for optimal positioning.
- **Durable Construction:** Made from robust ABS material with an IP65 waterproof rating, resistant to heat and frost.
- **Flexible Installation:** Can be installed by staking into the ground or mounting on a wall.
- **Long Cable:** Features a 9.8ft cable connecting the solar panel to the spotlight for flexible placement.

5. Setup and Installation

5.1 Initial Charge

Before first use, ensure the solar panel receives 6-8 hours of direct sunlight to fully charge the internal battery. The lights will not operate optimally without an initial full charge.

5.2 Choosing a Location

Select a location for the solar panel that receives maximum direct sunlight throughout the day. Avoid areas shaded by trees, buildings, or other obstructions. For the spotlight, choose a position that effectively illuminates your desired area.

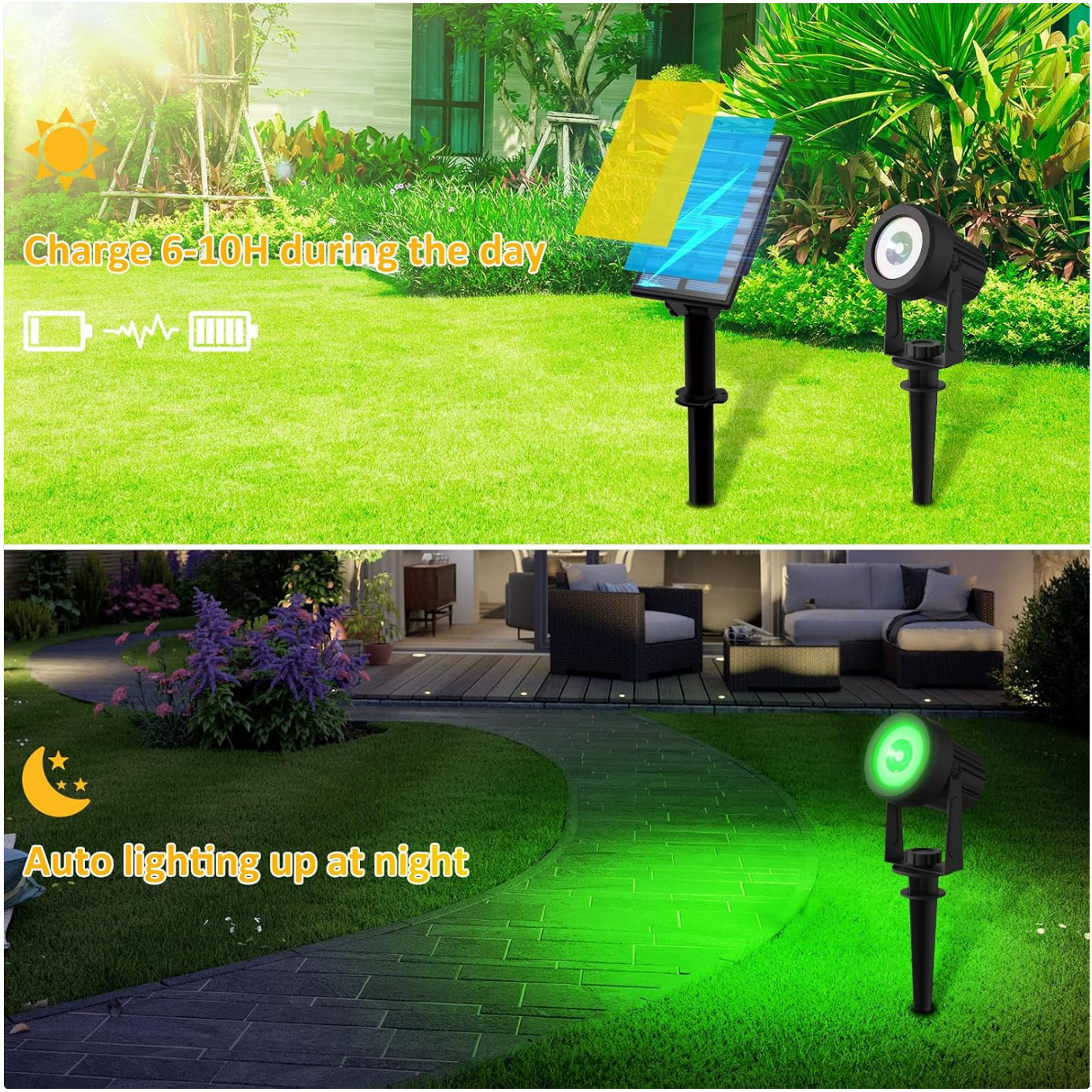


Image: Illustration of the solar panel charging during daylight hours and the spotlight automatically illuminating at night.

5.3 Assembly and Installation Methods

The T-SUNUS RGB Solar Landscape Spotlights offer two primary installation methods:

1. **Ground Insertion:**

- Attach the ground stake to the bottom of the solar panel and the spotlight unit.
- Firmly insert the assembled units into soft ground in your desired location.

2. **Wall Mounting:**
    - Use the provided screws and wall plugs to secure the mounting bracket of the spotlight and/or solar panel to a wall or fence.
    - Ensure the mounting surface is stable and can support the weight of the unit.

After installation, connect the solar panel cable to the spotlight cable. Ensure the connection is secure. The 9.8ft cable allows for flexible positioning of the solar panel relative to the spotlight.



Image: Visual guide demonstrating how to mount the spotlight against a wall or insert it into the ground using the provided stakes.



Image: Diagram showing the 90° adjustable solar panel, 270° adjustable light head, and how to connect the extension cord between the solar panel and the light.

6. Operating Instructions

6.1 Power On/Off and Mode Selection

The spotlight features a single button for control, typically located on the back of the solar panel unit.

- **To Turn On:** Long press the switch button for approximately 3 seconds. The light will activate.
- **To Change Color Mode:** After turning on, short press the switch button to cycle through the available color modes. There are 6 color changing modes and fixed color modes (Red, Green, Blue, Indigo, Purple, and a warm color).
- **To Turn Off:** Long press the switch button again for approximately 3 seconds.



Image: Visual representation of the button controls for switching between 6-color cycling mode (long press) and fixed color modes (short press).

6.2 Automatic Dusk-to-Dawn Operation

Once powered on and a color mode is selected, the spotlights will automatically detect ambient light levels. They will turn on at dusk and turn off at dawn, conserving battery life.

6.3 Testing the Light (Daytime)

To test the light during the day, completely cover the solar panel with your hand for a few seconds. The light should turn on, allowing you to verify its functionality and chosen color mode.

7. Maintenance

- **Cleaning:** Regularly wipe the solar panel with a soft, damp cloth to remove dust, dirt, or debris. A clean panel ensures optimal charging efficiency.
- **Positioning:** Periodically check the solar panel's position to ensure it still receives maximum direct sunlight, especially after seasonal changes or plant growth.

- **Battery:** The built-in Lithium-Ion battery is designed for long-term use. If the light duration significantly decreases over time, it may indicate the battery is reaching the end of its lifespan. Battery replacement is not user-serviceable.
- **Environmental Durability:** The IP65 rating ensures resistance to rain, snow, and temperature fluctuations (-20°C to 50°C). No special winterization is typically required, but clearing heavy snow from the solar panel will aid charging.



Image: Diagram illustrating the IP65 waterproof rating and resistance to extreme temperatures, indicating suitability for all seasons.

8. Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Light does not turn on at night.	◦ Insufficient solar panel charge. ◦ Solar panel is near another light source. ◦ Switch is off.	◦ Ensure solar panel receives 6-8 hours of direct sunlight daily. ◦ Relocate the solar panel away from porch lights or streetlights. ◦ Long press the switch for 3 seconds to turn on.
Light duration is short.	◦ Insufficient charge due to cloudy weather or shade. ◦ Solar panel is dirty. ◦ Battery capacity degradation over time.	◦ Ensure optimal solar panel placement. ◦ Clean the solar panel regularly. ◦ Consider replacing the unit if battery life is significantly reduced after extended use.
Light flickers or is dim.	◦ Low battery charge. ◦ Loose connection between solar panel and spotlight.	◦ Allow for a full day's charge in direct sunlight. ◦ Check and secure all cable connections.

9. Specifications

Feature	Detail
Brand	T-SUNUS
Model Number	TS-S4201-1H-RGB-V2
Light Color	Multicolor (Red, Green, Blue, Indigo, Purple, Warm)
Material	Acrylonitrile Butadiene Styrene (ABS)
Power Source	Solar Powered
Light Source Type	LED
Wattage	1 watts
Battery	1 Lithium Ion battery (included)
Water Resistance Level	IP65 Waterproof
Solar Panel Efficiency	20%
Cable Length	9.8 ft (between solar panel and spotlight)
Product Dimensions	1"L x 1"W x 1"H (approximate, please refer to diagram for detailed measurements)
Item Weight	1.06 pounds (0.48 kg)

Feature	Detail
Installation Type	Ground Mount, Wall Mount
Operating Temperature Range	-20°C to 50°C

10. Warranty and Support

T-SUNUS products are manufactured with quality and durability in mind. For specific warranty details, please refer to the product packaging or contact T-SUNUS customer support directly. If you encounter any issues or have questions regarding your solar landscape spotlights, please reach out to our support team for assistance.

Manufacturer: T-SUNUS

Contact Information: Please refer to the official T-SUNUS website or your purchase documentation for the most current support contact details.

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