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T-SUNUS TS-S4201

T-SUNUS RGB Solar Landscape Spotlights Instruction Manual

Model: TS-S4201

Introduction

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

Product Features

- **Dynamic Color Fusion:** Offers six distinct light options (Red, Green, Blue, Indigo, Purple) and a unique warm color from a dynamic fusion of red and green LEDs.
- **High-Efficiency Solar Panel:** Equipped with a larger solar panel featuring a 20% conversion rate for reliable charging.
- **Adjustable Design:** Solar panel rotates 90° and light head rotates 270° for optimal light positioning and solar exposure.
- **Automatic Operation:** Lights automatically turn on at dusk and off at dawn.
- **Durable & Waterproof:** Constructed with tough ABS material and rated IP65 waterproof, designed to withstand various weather conditions including rain, snow, and heat.
- **Versatile Installation:** Can be installed by staking into the ground or mounting on a wall.
- **Extended Cable Length:** Features a 9.8ft (approximately 3 meters) cable for flexible placement of the solar panel and spotlights.

Package Contents

Please check the package contents upon receipt to ensure all items are present and undamaged.

- T-SUNUS RGB Solar Landscape Spotlights (2 units)
- Solar Panel with integrated stake and cable
- Ground stakes for spotlights

- Wall mounting screws and anchors
- User Manual (this document)

Setup & Installation

Before initial use, ensure the solar panel receives 6-8 hours of direct sunlight for a full charge. Avoid placing the solar panel near other light sources at night, as this may prevent the lights from activating automatically.

1. Ground Installation

1. Attach the ground stake to the bottom of the solar panel and each spotlight.
2. Select a location for the solar panel where it will receive maximum direct sunlight throughout the day.
3. Insert the solar panel stake firmly into the ground.
4. Position the spotlights in your desired area and insert their stakes firmly into the ground.
5. Connect the cables from the spotlights to the solar panel. Ensure the connections are tight to maintain waterproof integrity.
6. Adjust the angle of the solar panel (up to 90°) to optimize sun exposure and the light heads (up to 270°) to direct illumination.



Image: Illustration of both ground stake and wall mount installation options for the solar spotlights.



Image: Detailed steps for assembling the solar panel and spotlight for both wall and ground installation.

2. Wall Installation

1. Detach the ground stake from the solar panel and spotlights if they are already attached.
2. Choose a wall location for the solar panel that receives ample direct sunlight. Mark the drilling points.
3. Drill holes, insert anchors, and secure the solar panel to the wall using the provided screws.
4. Repeat the process for mounting the spotlights in your desired locations on a wall or fence.
5. Connect the cables from the spotlights to the solar panel, ensuring secure and waterproof connections.
6. Adjust the angle of the solar panel and light heads as needed.

Operation

The T-SUNUS RGB Solar Landscape Spotlights are designed for simple operation with automatic functions and customizable color settings.

1. Initial Activation

- Locate the power button on the back of the solar panel.
- Press and hold the button for approximately 3 seconds to turn the lights ON. The lights will enter the 6-color cycling mode automatically.
- To test during the day, cover the solar panel completely with your hand for a few seconds. The lights should turn on, allowing you to preview the colors.



Image: Instructions for activating the lights and switching between color modes using the button on the solar panel.

2. Color Modes

- **6-Color Cycling Mode:** After initial activation (long press), the lights will automatically cycle through Red, Green, Blue, Indigo, Purple, and the unique warm color.
- **Fixed Color Mode:** While in 6-color cycling mode, short press the power button to pause on the current color. Each subsequent short press will cycle to the next fixed color.



Image: Visual guide to the color changing and fixed color options available with the spotlights.

3. Automatic Dusk-to-Dawn Function

- Once activated, the lights will automatically turn on when it gets dark and turn off when daylight is detected.
- Ensure the solar panel is positioned to receive adequate sunlight and is not obstructed or exposed to other light sources at night, which could interfere with the automatic sensor.



Image: Illustration of the solar panel charging during the day and the lights automatically turning on at night.

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 that the solar panel is still in a position to receive maximum direct sunlight and is not shaded by new growth or obstructions.
- **Connections:** Ensure all cable connections remain tight and secure to maintain their waterproof seal.
- **Battery:** The internal battery is designed for long-term use. If performance significantly degrades over time, contact customer support for guidance. Do not attempt to replace the battery yourself unless specifically instructed by the manufacturer.

Troubleshooting

Problem	Possible Cause	Solution
Lights do not turn on at night.	Solar panel not receiving enough sunlight.	Relocate the solar panel to an area with 6-8 hours of direct sunlight. Ensure it's not shaded.
	Solar panel is near another light source (e.g., porch light).	Move the solar panel away from other light sources that might interfere with the dusk sensor.
	Initial activation button not pressed.	Press and hold the power button on the solar panel for 3 seconds to activate.
Lights are dim or only stay on for a short period.	Insufficient charging due to cloudy weather or dirty solar panel.	Clean the solar panel. Allow several days of full sunlight for the battery to fully charge.
Lights are not changing colors or stuck on one color.	Fixed color mode is active.	Short press the power button to cycle through fixed colors or return to cycling mode.
Water inside the light housing.	Loose connection or damaged seal.	Check all cable connections and ensure they are tightly screwed. If damage is visible, contact customer support.

Specifications

- **Brand:** T-SUNUS
- **Model Number:** TS-S4201
- **Light Type:** RGB LED Spotlight
- **Power Source:** Solar Powered
- **Material:** Acrylonitrile Butadiene Styrene (ABS)
- **Color:** Multicolor (RGB)
- **Water Resistance Level:** IP65 Waterproof
- **Solar Panel Efficiency:** 20%
- **Cable Length:** 9.8 ft (approx. 3 meters)
- **Mounting Type:** Ground Stake, Wall Mount
- **Adjustability:** Solar panel 90°, Light head 270°
- **Item Weight:** 0.94 Kilograms (for the 2-pack)
- **Dimensions (L x W x H):** 1"L x 1"W x 1"H (individual unit, approximate)



Image: Technical diagram illustrating the dimensions and adjustable components of the solar panel and spotlight.



Image: Visual confirmation of the IP65 waterproof rating and weather resistance features.

Warranty & Support

For warranty information or technical support, please refer to the product packaging or contact T-SUNUS customer service directly. Keep your purchase receipt as proof of purchase.
Contact information can typically be found on the manufacturer's website or on the product's retail page.

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