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T-SUNUS TS-S4201

T-SUNUS TS-S4201 Solar Landscape Spotlights Instruction Manual

Model: TS-S4201

Introduction

Thank you for choosing the T-SUNUS Solar Landscape Spotlights. This manual provides essential information for the proper installation, operation, and maintenance of your solar lights. Please read these instructions carefully before use and retain them for future reference.

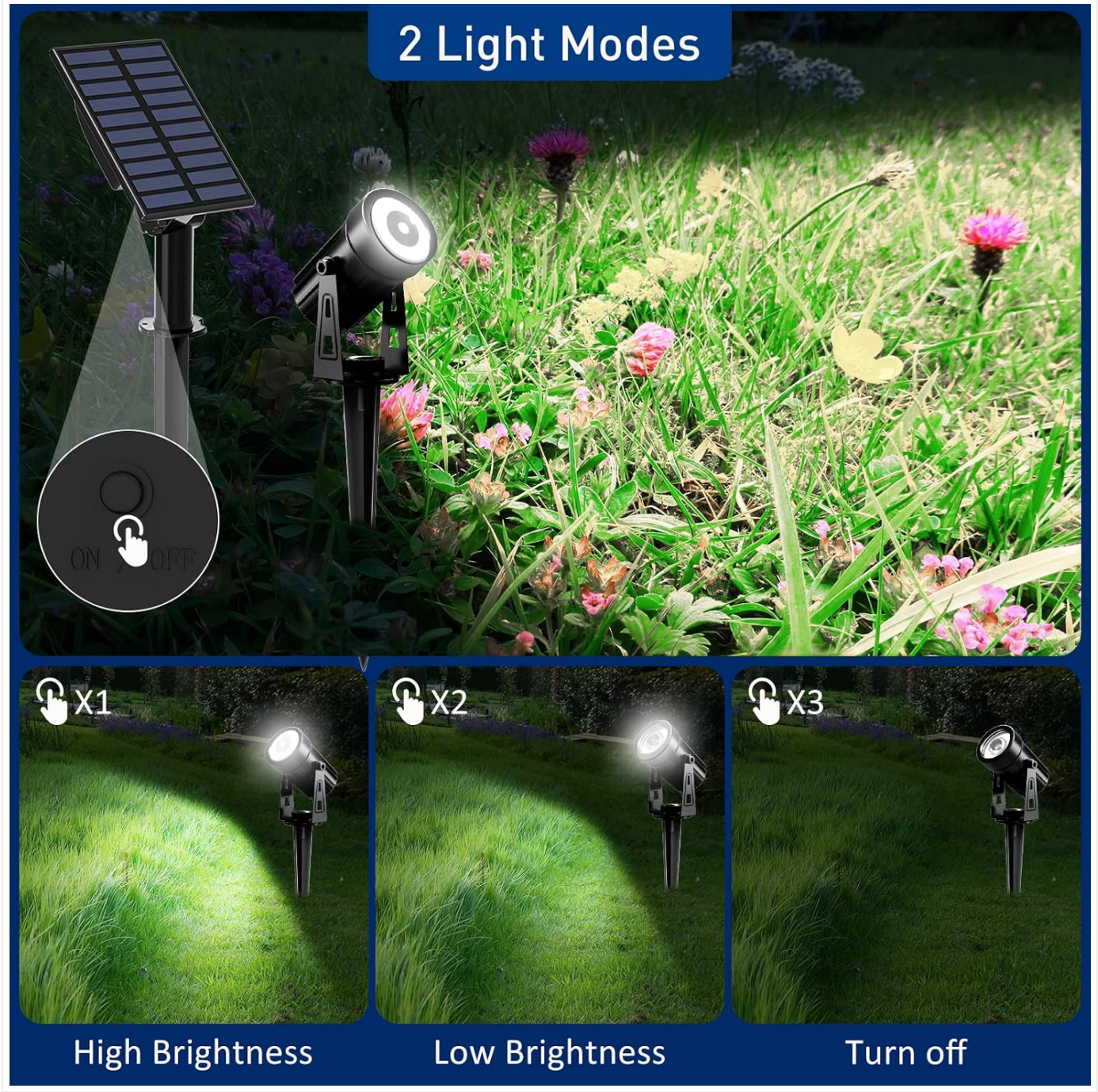

Image: T-SUNUS Solar Landscape Spotlights with a separate solar panel, illustrating daytime charging and nighttime illumination.

Product Components

The T-SUNUS Solar Landscape Spotlights package includes the following components:

- Solar Spotlights (2 units)
- Separate Solar Panel with ground stake
- Ground stakes for spotlights (2 units)
- Mounting screws for wall installation
- Extension cable (approximately 9.8ft / 3 meters)
- User Manual

Image: Detailed diagram of the solar spotlight and panel, highlighting dimensions, adjustable features (180° light, 90° panel), and the 3M extension cord.

Setup and Installation

Before first use, ensure the solar panel is exposed to direct sunlight for at least 8 hours to fully charge the internal battery.

Choosing a Location:

- Select a location for the solar panel where it will receive maximum direct sunlight for at least 6-8 hours daily. Avoid shaded areas.
- Position the spotlights in desired areas such as gardens, pathways, driveways, or pool areas.

Installation Methods:

The T-SUNUS Solar Landscape Spotlights offer two installation options:

1. **Ground Stake Installation:**
    - Attach the ground stake to the bottom of the solar panel.
    - Attach the smaller ground stakes to the bottom of each spotlight.
    - Firmly drive the stakes into the ground in your chosen locations.
2. **Wall Mount Installation:**
    - Use the provided screws to fix the solar panel to a wall or fence.
    - The spotlights can also be mounted on a wall using screws, or simply placed on the ground without stakes.

Connect the spotlights to the solar panel using the provided extension cable. Ensure the connection is secure.

Adjusting Angles:

- The solar panel can be adjusted up to 90° to optimize sunlight exposure.
- Each spotlight head can be rotated up to 180° to direct light as needed.

Operating Instructions

The T-SUNUS Solar Landscape Spotlights feature automatic operation and selectable lighting modes.

Automatic On/Off Function:

The lights are designed to automatically turn on at dusk and turn off at dawn, recharging during the day. Ensure the solar panel is clean and unobstructed for optimal performance.

Selecting Light Modes:

A button on the unit allows you to cycle through two lighting modes:

- **High Brightness Mode:** Provides maximum illumination.
- **Low Brightness Mode:** Offers extended lighting duration with reduced brightness.

After a full charge (approximately 8 hours of direct sunlight), the lights can operate for 8-12 hours depending on the selected mode.

Image: Illustration of the control button and the two available light modes: High Brightness and Low Brightness, along with the 'Turn off' state.

Maintenance

Regular maintenance ensures the longevity and optimal performance of your solar landscape spotlights.

- **Clean Solar Panel:** Periodically wipe the solar panel with a soft, damp cloth to remove dust, dirt, and debris. A clean panel ensures efficient charging.
- **Clear Obstructions:** Ensure no leaves, branches, or other objects are shading the solar panel, especially during winter months.
- **Battery Care:** The integrated battery is designed for long-term use. Avoid disassembling the unit.
- **Weather Resistance:** The lights are IP65 waterproof, heat-resistant, and frost-resistant, suitable for various outdoor conditions. However, extreme weather conditions may temporarily affect performance.

Image: Features highlighting the IP65 waterproof rating, heat resistance, frost resistance, and the operational temperature range of -20°C to 50°C.

Troubleshooting

If your T-SUNUS Solar Landscape Spotlights are not functioning as expected, please refer to the following common issues and solutions:

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Lights do not turn on at night.	• Insufficient sunlight exposure. • Solar panel is dirty or obstructed. • Battery is not fully charged. • Light mode is set to 'Off'.	• Relocate solar panel to an area with direct sunlight for 6-8 hours daily. • Clean the solar panel surface. • Allow 1-2 days for full charge. • Press the mode button to select High or Low brightness.
Lights turn off too quickly.	• Insufficient charging time. • Selected High Brightness mode (consumes more power). • Aging battery.	• Ensure solar panel receives full sunlight. • Switch to Low Brightness mode for longer duration. • Contact customer support if battery life significantly degrades over time.
Lights are dim.	• Solar panel is dirty. • Insufficient charge. • Selected Low Brightness mode.	• Clean the solar panel. • Ensure adequate sunlight exposure. • Switch to High Brightness mode.

Specifications

Model Number	TS-S4201
Brand	T-SUNUS
Light Source	LED
Power Source	Solar Powered
Solar Panel Efficiency	17% (Poly-crystalline)
Waterproof Rating	IP65
Color Temperature	6000K (White Light)
Charging Time	Approx. 8 hours (direct sunlight)
Lighting Duration	8-12 hours (after full charge, depending on mode)
Operating Temperature	-20°C to 50°C (-4°F to 122°F)
Material	Acrylonitrile Butadiene Styrene (ABS)
Solar Panel Dimensions	9cm x 15cm (3.5in x 6in)
Spotlight Head Dimensions	4.3cm (1.69in) diameter, 6.6cm (2.59in) length
Cable Length	9.8 ft (3 meters)
Mounting Options	Ground Stake, Wall Mount

Warranty and Support

T-SUNUS products are designed for durability and performance. For specific warranty information or technical support, please refer to the product packaging or contact T-SUNUS customer service directly.
You can often find support contact details on the official T-SUNUS website or through your purchase platform.

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