T-SUNUS TS-S42

T-SUNUS Solar Spot Lights (Model TS-S42) Instruction Manual

For 4 Pack White IP65 Waterproof Landscape Spotlights with Separate Panel and 9.8ft Cable, Auto On/Off, 6000K White Light.

1. Introduction

Thank you for choosing T-SUNUS Solar Spot Lights. This manual provides essential information for the proper installation, operation, and maintenance of your solar landscape spotlights. Please read these instructions carefully before use to ensure optimal performance and longevity of the product.



Image 1.1: Overview of the T-SUNUS Solar Spot Lights package.

2. Safety Information

- Ensure the solar panel is placed in an area that receives direct sunlight for at least 6-8 hours daily to maximize charging efficiency.
- Do not immerse the light heads or solar panels in water, despite their IP65 waterproof rating.
- Keep the product away from open flames or high temperatures.
- Do not attempt to disassemble or modify the product. This may void the warranty and pose a safety risk.
- Keep out of reach of children.
- Avoid pointing the light directly into eyes.

3. Package Contents

Verify that all components are present in your package:

- Solar Panels (4 units)
- Light Heads (4 units)
- Ground Stakes for Solar Panels (4 units)
- Ground Stakes for Light Heads (4 units)
- Screws for Wall Mounting (8 units, 2 per light/panel)
- User Manual (this document)

4. Product Features

- **Separate Solar Panel:** Each light features a poly-crystalline solar panel with up to 17% conversion efficiency, allowing flexible placement for optimal sun exposure.
- **2 Lighting Modes:** Choose between High and Low brightness settings.
- **Dusk to Dawn Operation:** Integrated light sensor automatically turns the lights ON at dusk/darkness and OFF during daytime for charging.
- **Long Illumination:** After 8-12 hours of charging, lights can provide continuous illumination for up to 8 hours.
- **Adjustable Design:** The solar panel can be adjusted 90 degrees, and the light head can be adjusted 180 degrees, allowing precise light direction.
- **Durable Construction:** IP65 waterproof rating ensures resistance against rain, snow, and dust. Made from Acrylonitrile Butadiene Styrene (ABS).
- **Wide Operating Temperature:** Functions reliably in temperatures ranging from -20°C to 50°C.

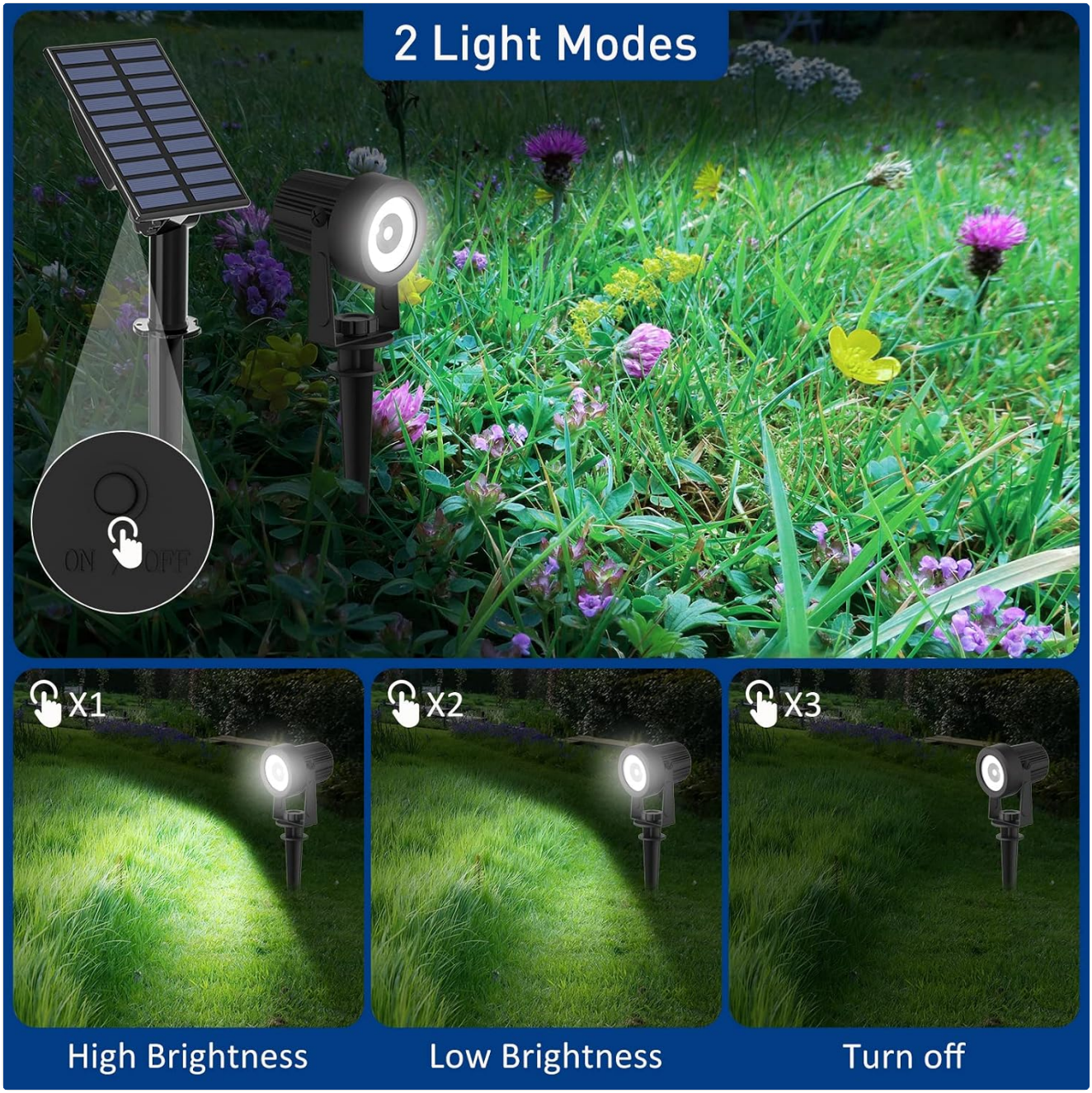


Image 4.1: Illustration of the two light modes and power off function.



Image 4.2: Product durability features including IP65 waterproof rating and operating temperature range.

5. Installation

The T-SUNUS Solar Spot Lights offer two primary installation methods: ground staking and wall mounting.

5.1. Ground Staking Installation

1. Attach the ground stake to the bottom of the light head and the solar panel.
2. Select a location in your garden, pathway, or yard where the light is desired and the solar panel can receive maximum direct sunlight.
3. Firmly push the stakes into the ground until stable.
4. Connect the light head to the solar panel using the 9.8ft cable. Ensure the connection is secure.
5. Adjust the angle of the solar panel (up to 90°) to face the sun and the light head (up to 180°) to illuminate the desired area.

5.2. Wall Mounting Installation

1. Choose a suitable wall location for the light head and the solar panel.
2. Use the provided screws to securely attach the light head bracket and solar panel bracket to the wall.
3. Connect the light head to the solar panel using the 9.8ft cable. Ensure the connection is secure.
4. Adjust the angle of the solar panel and light head as needed.



Image 5.1: Two common installation methods: ground staking and wall mounting.



Image 5.2: Detailed view of adjustable components and cable connection.

6. Operating Instructions

6.1. Initial Setup

Before first use, ensure the solar panel is exposed to direct sunlight for at least 8-12 hours to fully charge the internal battery. The lights will automatically turn on at dusk once sufficiently charged.

6.2. Power On/Off and Mode Selection

Each light head has a power button. Press the button to cycle through the modes:

- **First Press:** High Brightness Mode
- **Second Press:** Low Brightness Mode
- **Third Press:** Turn Off

To test the light during the daytime, cover the solar panel completely. The light should illuminate if it has sufficient charge and is in an ON mode.



Image 6.1: Illustration of daytime charging and automatic nighttime illumination.

7. Maintenance

- **Clean Solar Panel:** Regularly wipe the solar panel with a soft, damp cloth to remove dust, dirt, or debris. A clean panel ensures maximum sunlight absorption and charging efficiency.
- **Check Connections:** Periodically inspect the cable connections between the solar panel and the light head to ensure they are secure and free from damage.
- **Clear Obstructions:** Ensure no trees, bushes, or other objects are blocking direct sunlight from reaching the solar panel, especially during winter months.

8. Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Light does not turn on at night.	Insufficient solar charge. Light is in OFF mode. Solar panel is covered or in shade.	Ensure solar panel receives 6-8 hours of direct sunlight. Press the power button to cycle to High or Low mode. Relocate solar panel to a sunnier spot.
Light duration is short.	Insufficient solar charge. Battery capacity reduced due to age or extreme temperatures.	Ensure solar panel receives maximum direct sunlight. Clean the solar panel. Consider replacing the battery if performance significantly degrades over time (contact support for guidance).
Light is dim.	Insufficient solar charge. Solar panel is dirty. Light is in Low Brightness mode.	Ensure adequate charging. Clean solar panel. Press the power button to switch to High Brightness mode.
Light flickers.	Loose connection. Low battery charge.	Check and secure all cable connections. Allow the unit to charge fully in direct sunlight.

9. Specifications

Feature	Specification
Brand	T-SUNUS
Model Number	TS-S42
Color	White
Material	Acrylonitrile Butadiene Styrene (ABS)
Light Source Type	LED (64 LEDs)
Light Color Temperature	6000K (White)
Voltage	3.7 Volts
Solar Panel Efficiency	17%
Water Resistance Level	IP65
Cable Length (Solar Panel to Light)	9.8 ft (3 meters)
Operating Temperature	-20°C to 50°C
Installation Type	Ground Stake / Wall Mount
Control Method	Light Control (Auto On/Off)

10. Warranty and Support

T-SUNUS is committed to providing quality products. For any questions, concerns, or technical support regarding your solar spot lights, please contact our customer service team. We aim to respond to all inquiries within 24 working hours.

For support, please email us with details of your issue.

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.

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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