SOLARBABY 500LED-O

SOLARBABY 500 LED Solar String Lights User Manual

Model: 500LED-O

Introduction

Thank you for choosing the SOLARBABY 500 LED Solar String Lights. This product is designed to provide decorative lighting for outdoor spaces, featuring 500 LED bulbs on a 164-foot copper wire. It is solar-powered, energy-efficient, and offers 19 lighting modes for various decorative needs. Please read this manual carefully before installation and use to ensure optimal performance and longevity of your lights.



Image: SOLARBABY 500 LED Solar String Lights installed on a house and tree, showcasing their decorative effect.

Safety Information

- Ensure all connections are secure before use.
- Do not attempt to modify or disassemble the product.
- Keep the solar panel clean to ensure efficient charging.
- This product is designed for outdoor use and is waterproof (IP65 rated), but avoid submerging the solar panel or string lights in water.
- Keep away from open flames or extreme heat sources.



Image: The solar panel and string lights are shown in a rainy outdoor setting, highlighting their IP65 waterproof, snowproof, sunproof, and windproof features.

Package Contents

Upon opening the package, please verify that all components are present:

- 1 x 500 LED Solar String Lights (164 ft)
- 1 x Solar Panel with integrated battery
- 1 x Plastic Ground Stake
- 1 x User Manual

Setup Instructions

1. Solar Panel Placement

Select a location for the solar panel that receives a minimum of 6-8 hours of direct sunlight daily. Optimal sunlight exposure is crucial for efficient charging and extended night-time operation. Avoid shaded areas from trees, buildings, or other obstructions.

2. Ground Stake Installation

1. Attach the plastic ground stake to the back of the solar panel unit.
2. Gently insert the assembled stake into soft ground, ensuring the solar panel is angled towards the sun for maximum exposure.

3. Light String Deployment

Carefully uncoil the 164-foot LED string lights. The flexible copper wire allows for versatile decoration around trees, bushes, fences, patios, or any desired outdoor feature. Ensure the string is not excessively tangled or strained during installation.

4. Initial Charge

Before first use, allow the solar panel to charge for a full day (6-8 hours) in direct sunlight with the power switch in the 'ON' position. This ensures the internal battery is fully charged for optimal performance.



Image: Illustration showing the solar panel automatically charging during the day (4-6 hours) and the lights automatically activating at night, working for 10-14 hours.

Operating Instructions

1. Automatic Operation

The SOLARBABY solar string lights feature an intelligent light sensor. Once fully charged and the power switch is 'ON', the lights will automatically turn on at dusk and turn off at dawn, conserving energy and providing hassle-free operation.

2. Charging

- **Solar Charging:** The integrated solar panel charges the internal AA battery during daylight hours. A full charge typically requires 6-8 hours of direct sunlight and provides 10-14 hours of illumination.
- **USB-C Charging:** For situations with insufficient sunlight or faster charging, the solar panel unit includes a USB-C charging interface. Connect a standard USB-C cable (not included) to a 5V power source to charge the battery.

3. Lighting Modes

The lights offer 19 distinct lighting modes to suit various occasions and preferences. These modes can be selected using the 'Mode' button located on the back of the solar panel unit or via the included remote control.

- **Memory Function:** The built-in memory chip ensures that the lights will automatically resume the last selected lighting mode when they turn on again.
- **Mode Selection:** Press the 'Mode' button repeatedly or use the remote control to cycle through the 19 available lighting patterns, including steady-on, various flashing, and fading effects.

4. Remote Control Functions

The remote control provides convenient access to the light functions:

- **ON/OFF:** Turns the lights on or off.
- **MODE:** Cycles through the 19 lighting modes.
- **Timer:** Sets a timer for the lights to operate for a specific duration (e.g., 3H, 5H, 8H).



Image: A comparison highlighting the SOLARBABY's larger 18cm/7.1inch 5V solar panel, Type-C charging interface, and 19 lighting modes with remote control, contrasting with smaller, less featured alternatives.

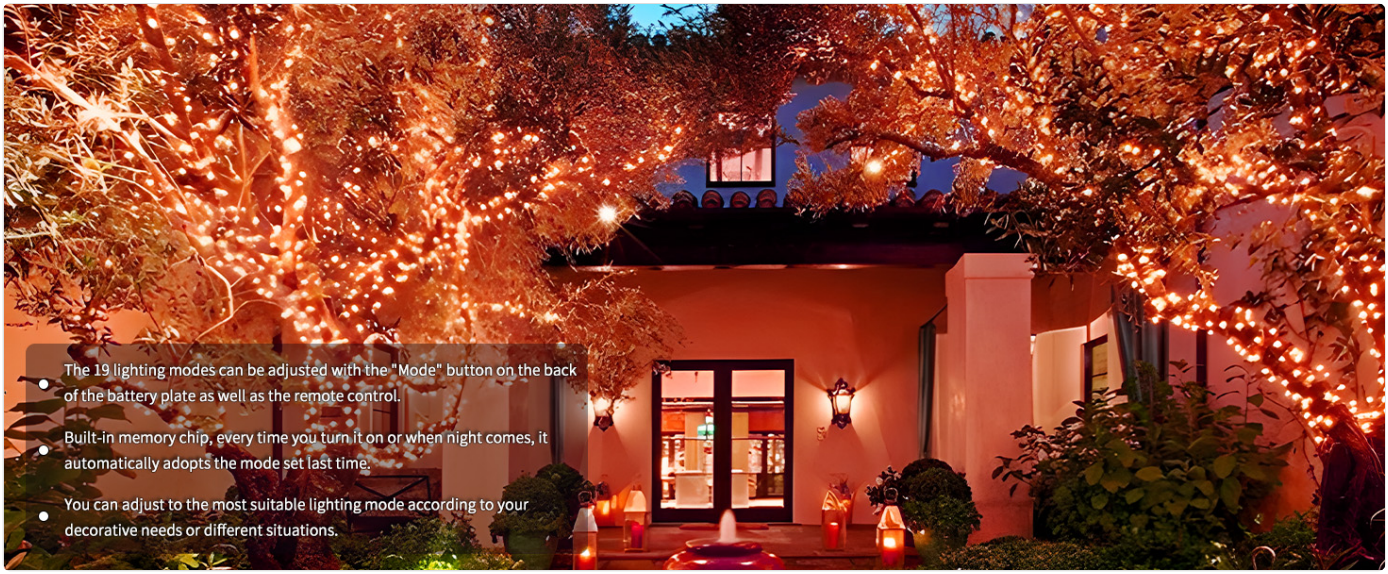


Image: A remote control is displayed next to a decorated indoor setting, illustrating the 19 lighting modes available for the string lights.

Maintenance

- **Solar Panel Cleaning:** Regularly wipe the solar panel surface with a soft, damp cloth to remove dust, dirt, or debris. A clean panel ensures maximum sunlight absorption and charging efficiency.
- **Battery Care:** The product uses 1 AA rechargeable battery (included). While designed for long life, if you notice a significant decrease in operating time, ensure the solar panel is clean and receiving adequate sunlight.
- **Storage:** If storing the lights for an extended period, ensure the battery is fully charged. Store the unit in a cool, dry place away from direct sunlight.

Troubleshooting

Problem	Possible Cause	Solution
Lights do not turn on at night.	Solar panel not receiving enough sunlight. Power switch is OFF. Battery is depleted.	Relocate solar panel to an area with 6-8 hours of direct sunlight. Ensure the power switch on the solar panel is in the 'ON' position. Allow the solar panel to charge for a full day. Use USB-C charging if necessary.
Lights stay on for a short duration.	Insufficient solar charging. Solar panel is dirty.	Ensure solar panel receives maximum direct sunlight. Clean the solar panel surface regularly.
Remote control is not working.	Remote battery is low or depleted.	Replace the battery in the remote control (if applicable). Ensure line of sight to the solar panel unit.

Specifications

Brand: SOLARBABY

Model Number: 500LED-O

Light Color: Orange

Number of LEDs: 500

String Length: 164 Feet (50 meters)

Power Source: Solar Powered (with USB-C charging option)

Voltage: 2 Volts

Waterproof Rating: IP65

Special Features: Energy Efficient, Waterproof, Solar powered, 19 Lighting Modes, Remote Control, Memory Function

Battery: 1 AA battery required (included)

Average Life: 20000 Hours

Material: Plastic

Indoor/Outdoor Usage: Outdoor

Warranty and Support

For warranty information or technical support, please refer to the product packaging or contact SOLARBABY customer service through the retailer where the product was purchased. Keep your purchase receipt as proof of purchase.

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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