

Sunforce 80132

Sunforce Solar Powered String Lights

MODEL: 80132 USER MANUAL



1. Introduction and Product Overview

Thank you for choosing the Sunforce Solar Powered String Lights. This product is designed to add a delightful and vibrant ambiance to any outdoor location, such as decks, patios, backyards, pergolas, and gazebos. Featuring 12 LED color-changing RGB bulbs, a long-lasting amorphous solar panel, and a convenient remote control, these lights offer both beauty and functionality.

The system is equipped with dusk-to-dawn activation, ensuring automatic illumination as evening approaches. Its robust, weather-resistant design allows for reliable performance in various outdoor conditions.



Image: Sunforce Solar Powered String Lights showing the string of lights with colorful bulbs, the solar panel, and the remote control.

2. Safety Information

- Read all instructions before installation and use.
- Do not attempt to disassemble or modify the product. This may void the warranty and pose safety risks.
- Keep the solar panel clean to ensure optimal charging performance.
- Ensure all connections are secure and protected from moisture.
- Do not immerse the product in water. While weather-resistant, it is not designed for submersion.
- Dispose of batteries according to local regulations.
- Keep out of reach of children.

3. Package Contents

Please verify that all components are present in your package:

- 1x Solar Panel
- 2x 3.7 Volt Rechargeable Lithium-ion Batteries (1800 mAh) (pre-installed or separate)
- 1x Ground Stake and Adapter
- 1x Remote Control
- 1x Mounting Bracket and Hardware
- 12x LED Bulbs (pre-installed on string)
- 1x 30ft (9.14 m) String Light Cable



Image: Close-up view of the solar panel, ground stake, and remote control, highlighting key components.

4. Setup and Installation

1. Solar Panel Placement:

Choose a location for the solar panel that receives a minimum of 6-8 hours of direct sunlight daily. This is crucial for optimal battery charging. The solar panel can be mounted using the included ground stake or mounting bracket and hardware.

- **Ground Stake Installation:** Attach the ground stake to the solar panel and firmly insert it into soft ground in a sunny spot.
- **Surface Mounting:** Use the mounting bracket and screws to secure the solar panel to a wall, fence, or other stable surface. Adjust the angle of the panel to face the sun directly.

2. Battery Installation (if not pre-installed):

Locate the battery compartment on the back of the solar panel. Insert the two 3.7 Volt rechargeable lithium-ion batteries, ensuring correct polarity (+/-). Close the compartment securely.

3. String Light Installation:

Carefully uncoil the 30-foot string lights. Hang the lights in your desired outdoor area, such as along a patio edge, pergola, or fence. The bulbs are spaced approximately 2 feet (60.9 cm) apart. Ensure the string is securely fastened to prevent damage from wind or movement.



Image: Solar string lights illuminating an outdoor patio area at dusk.



Image: Solar string lights strung across a covered porch, providing ambient lighting.

4. **Connect Solar Panel to Lights:**

Connect the cable from the string lights to the designated port on the solar panel. Ensure the connection is firm and watertight.

5. **Initial Charge:**

Allow the solar panel to charge the batteries for at least 24-48 hours in direct sunlight before first use. This ensures the batteries are fully charged for optimal performance.

5. **Operation**

The Sunforce Solar Powered String Lights are designed for ease of use with automatic dusk-to-dawn activation and remote control functionality.

- **Automatic Activation:** The lights will automatically turn on at dusk and turn off at dawn, provided the solar panel receives sufficient sunlight during the day to charge the batteries.
- **Remote Control Functions:** Use the included remote control to manage the lights.
- **Power Button:** Press to manually turn the lights ON or OFF.
- **Color Selection:** Use the RGB buttons or pre-set color buttons to change the light color.

- **Mode Selection:** Cycle through various lighting modes (e.g., steady on, flash, fade) using the mode buttons.
- **Brightness Adjustment:** Adjust the brightness level using the dimmer buttons.



Image: The remote control for the string lights, showing various buttons for color and mode selection.

6. Maintenance

- **Solar Panel Cleaning:** 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.
- **Battery Care:** The included lithium-ion batteries are designed for long life. If the lights' performance significantly diminishes over time, consider replacing the batteries with new rechargeable 3.7 Volt lithium-ion batteries of the same capacity (1800 mAh).
- **Bulb Replacement:** The LED bulbs are designed for durability and long life. If a bulb fails, it may not be user-replaceable. Contact Sunforce customer support for assistance.
- **Seasonal Storage:** If storing the lights for an extended period, ensure the batteries are fully charged before storage. Store in a cool, dry place.

7. Troubleshooting

Problem	Possible Cause	Solution
Lights do not turn on at night.	<ul style="list-style-type: none">Insufficient sunlight on solar panel.Solar panel is dirty.Batteries are not charged or are depleted.Switch on solar panel is OFF.	<ul style="list-style-type: none">Relocate solar panel to an area with 6-8 hours of direct sunlight.Clean the solar panel surface.Allow 24-48 hours for initial charge. Replace batteries if old.Ensure the power switch on the solar panel is in the ON position.
Lights are dim or only stay on for a short time.	<ul style="list-style-type: none">Insufficient charge due to cloudy weather or poor panel placement.Batteries are aging or not holding a full charge.	<ul style="list-style-type: none">Ensure solar panel receives maximum direct sunlight.Replace batteries if they are old or show signs of degradation.
Remote control is not working.	<ul style="list-style-type: none">Remote battery is dead.Obstruction between remote and lights/solar panel.	<ul style="list-style-type: none">Replace the battery in the remote control.Ensure clear line of sight or move closer to the solar panel/first bulb.

8. Specifications

Feature	Detail
Model Number	80132
Brand	Sunforce
Total Length	30 Feet (9.14 m)
Number of Bulbs	12 LED Bulbs
Bulb Spacing	2 Feet (60.9 cm)
Light Color	Multicolor (RGB)
Power Source	Solar Powered
Battery Type	2x 3.7 Volt Rechargeable Lithium-ion (1800 mAh)
Special Features	Remote Controlled, Weather Resistant, Color Changing, Dusk to Dawn Activation
Material	Durable Black ABS Plastic
Indoor/Outdoor Usage	Outdoor
Voltage	3.7 Volts
Wattage	2 watts
Item Weight	3.7 Pounds

9. Warranty and Support

The Sunforce Solar Powered String Lights (Model 80132) come with a**1-year manufacturer's warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. For warranty claims, technical support, or any questions regarding your product, please contact Sunforce customer service. Keep your proof of purchase for warranty validation. For more information, visit the official Sunforce website or refer to the contact details provided with your product packaging.

