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› NIORSUN Outdoor Solar Stair Lights User Manual

NIORSUN ABE110-A

NIORSUN Outdoor Solar Stair Lights User Manual

MODEL: ABE110-A

1. Introduction

Thank you for choosing NIORSUN Outdoor Solar Stair Lights. This manual provides essential information for the proper setup, operation, and maintenance of your new solar lights. Please read these instructions carefully before installation and retain them for future reference to ensure optimal performance and longevity of your product.

2. Product Overview

The NIORSUN Solar Stair Lights are designed to provide elegant and efficient outdoor illumination for steps, stairs, patios, decks, and pathways. Featuring an innovative triangular design, these lights integrate a solar panel and 13 high-quality LED beads to deliver a warm white light (3000K). They are IP67 waterproof, ensuring durability against various weather conditions, and operate automatically from dusk till dawn.



This image displays the NORSUN Solar Stair Lights, highlighting their warm illumination on outdoor wooden steps. It also shows a single light unit and a pack of six units, emphasizing their compact, triangular design and integrated solar panel.



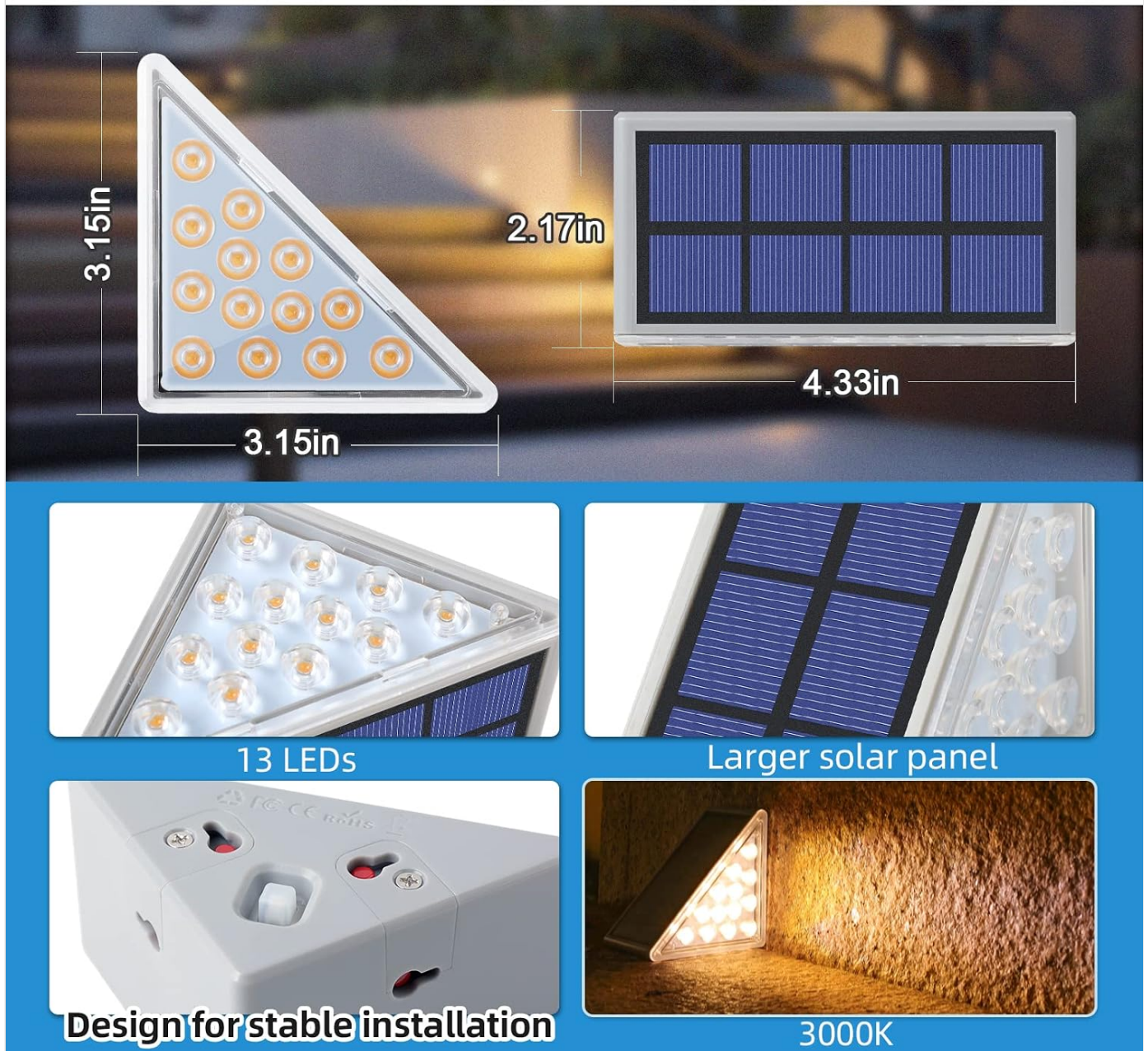
This image illustrates the versatility of the NIORSUN Solar Stair Lights, showing them effectively illuminating various outdoor areas such as stairs, individual steps, and deck pathways, enhancing both safety and aesthetics.

3. Specifications

Brand	NIORSUN
Manufacturer	NIORSUN_US
Product Dimensions (L x W x H)	8 x 5 x 8 cm
Item Weight	762 grams
Battery(ies)	1 AA - included
Item Model Number	ABE110-A

Number of Items	6
Style	Modern
Color	Warm White
Shape	Triangular
Material	Acrylonitrile Butadiene Styrene (ABS)
Finish Types	Painted
Number of Bulbs	13
Included Components	Step Solar Lights
Voltage	1.2 Volts
Specific Uses	Outdoor stair LED lights, Deck stair lights, Outdoor stair lights, Waterproof outdoor patio solar lights, Outdoor stair lighting
Special Features	Triangular solar lights, 3000K warm light, Automatic on/off, Waterproof
Shade Color	Warm White
Shade Material	Acrylonitrile Butadiene Styrene (ABS)
Power Source	Solar powered
Installation Type	Floor mount
Battery(ies) Included	Yes
Battery(ies) Required	Yes
Bulb Type	LED
Luminous Flux	80 lm

PRODUCT SIZE



This image provides detailed product dimensions and highlights key components such as the 13 LEDs, the larger solar panel for efficient charging, and the stable installation design, along with the 3000K warm light output.

4. Setup and Installation

The NIORSUN Solar Stair Lights offer two convenient installation methods to suit your needs:

1. Method 1: With 3M Adhesive Tape

This method provides a quick and easy installation. Simply peel off the protective film from the pre-applied 3M adhesive tape on the back of the light and firmly press the light onto a clean, dry, and smooth surface. Ensure the surface is free of dust and debris for optimal adhesion.

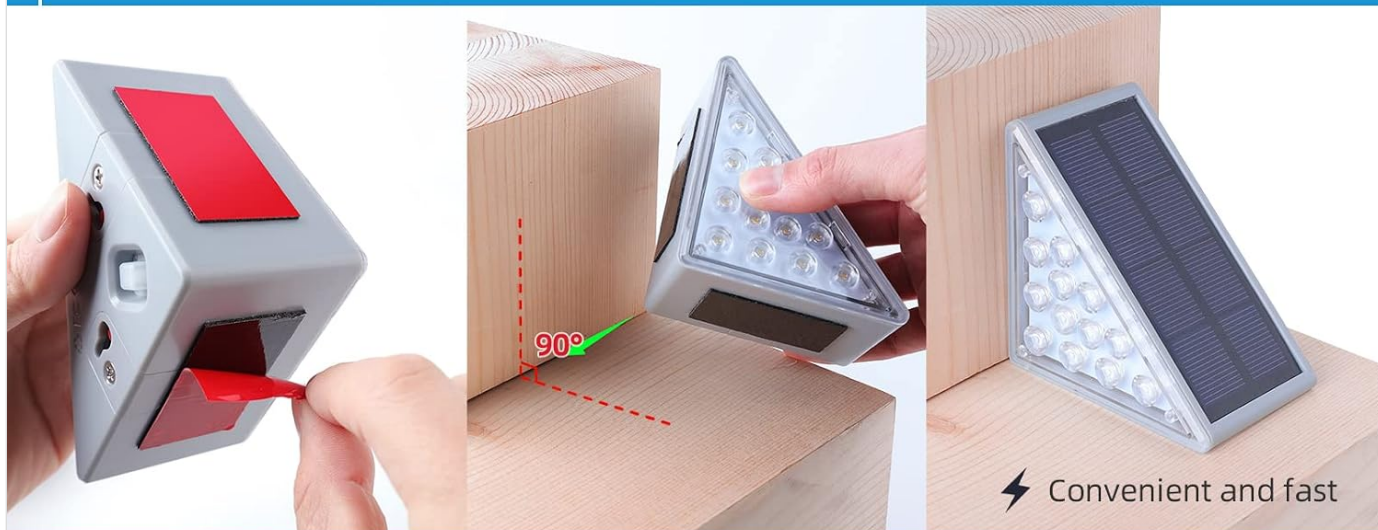
2. Method 2: With Screws

For a more secure and stable installation, especially on rougher surfaces or in high-traffic areas, use the provided screws. Mark the desired drilling points, drill pilot holes if necessary, and then secure the light using the screws. This method ensures long-term stability.

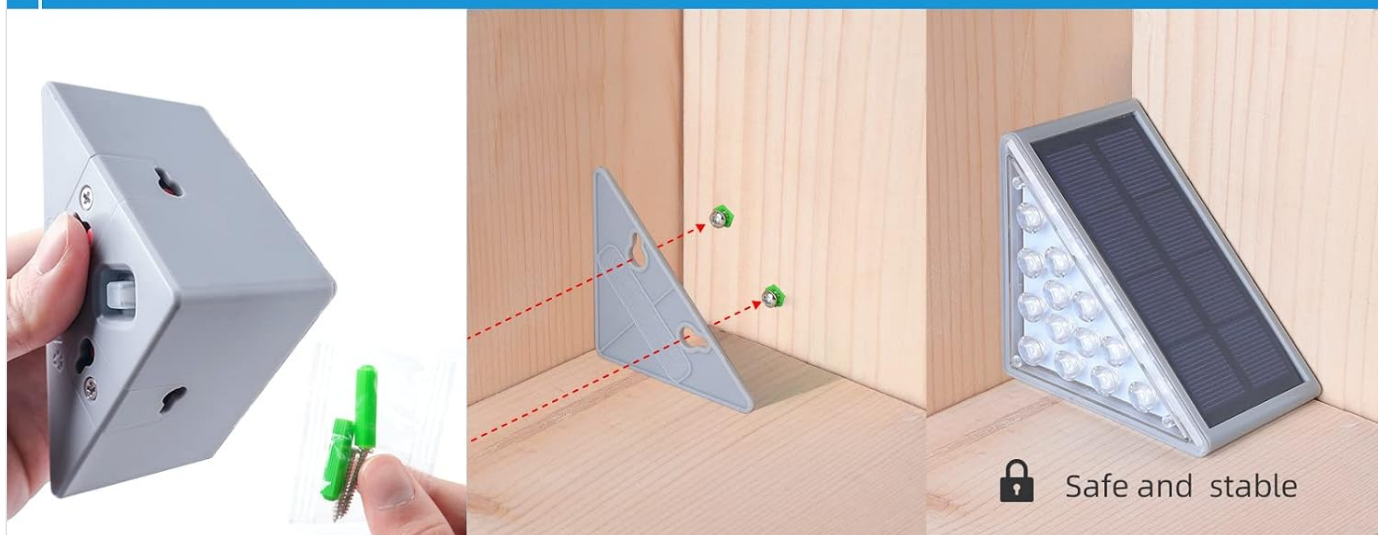
Important: Choose a location where the solar panel can receive direct sunlight for 4-5 hours daily to ensure optimal charging and lighting performance.

2 WAYS TO INSTALL

METHOD 1 (with 3M tape)



METHOD 2 (with Screws)



This diagram illustrates the two primary ways to install the solar stair lights. Method 1 involves using the pre-applied 3M adhesive tape for a convenient and fast setup. Method 2 provides a more secure and stable installation using screws, suitable for various surfaces.

5. Operating Instructions

The NIORSUN Solar Stair Lights are designed for automatic operation:

- **Automatic On/Off:** The lights feature a built-in light sensor that automatically turns them on at dusk and off at dawn. No manual operation is required after initial setup.
- **Charging:** During the day, the integrated solar panel converts sunlight into electricity, charging the internal AA battery. A full charge typically requires 4-5 hours of direct sunlight.
- **Lighting Duration:** Once fully charged, the lights can provide 8-10 hours of continuous illumination throughout the night.

DUSK TO DAWN



4-5 hrs

Charging time



8-10 hrs

Lighting time



This image demonstrates the automatic operation of the solar lights. During the day, the lights charge for 4-5 hours under direct sunlight. At night, they automatically turn on and provide illumination for 8-10 hours, ensuring consistent lighting from dusk till dawn.

6. Maintenance

To ensure the optimal performance and longevity of your solar lights, follow these simple maintenance guidelines:

- **Clean Solar Panel:** Regularly wipe the solar panel with a soft, damp cloth to remove dirt, dust, leaves, or snow. A clean panel ensures efficient sunlight absorption and charging.
- **Clear Obstructions:** Ensure no trees, buildings, or other objects are blocking direct sunlight from reaching the solar panel throughout the day.
- **Battery Replacement:** The included AA battery is rechargeable. If the light's performance significantly diminishes over time, the battery may need replacement. Use a high-quality rechargeable AA battery.
- **Weather Resistance:** The lights are IP67 waterproof, designed to withstand rain, snow, and other harsh weather conditions. However, avoid submerging them in water.

IP67 WATERPROOF

Ready for Extreme Weather



This image highlights the IP67 waterproof rating of the solar light, showing it performing reliably in wet conditions. The rating ensures the light is protected against dust and water jets, making it suitable for various outdoor weather conditions including rain, heat, and frost.

7. Troubleshooting

If your solar lights are not functioning as expected, please refer to the following common issues and solutions:

- **Light does not turn on at night:**

- Ensure the solar panel is clean and free from obstructions.
- Verify the light is placed in a location that receives at least 4-5 hours of direct sunlight daily.
- Check if the battery is properly inserted and making good contact.
- The battery might be depleted. Allow it to charge for 1-2 sunny days. If the issue persists, consider replacing the rechargeable AA battery.

- **Light is dim or only stays on for a short period:**

- The solar panel may not be receiving enough direct sunlight for a full charge. Relocate the light to a sunnier

spot.

- The battery capacity might be reduced due to age or extreme temperatures. Replace the rechargeable AA battery if necessary.
- Ensure the solar panel is clean.

8. Warranty Information

Your NIORSUN Solar Stair Lights are covered by a 30-day refund/replacement policy from the date of purchase. This warranty covers manufacturing defects and ensures that you receive a functional product. Please retain your proof of purchase for any warranty claims.

9. Customer Support

For any questions, concerns, or technical assistance regarding your NIORSUN Solar Stair Lights, please contact the seller or manufacturer directly through the platform where you made your purchase. Provide your model number (ABE110-A) and a detailed description of the issue for prompt support.

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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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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

Answered questions about this manual

How do I change the battery on the NIORSUN solar deck light model number ABE110-A?

To change the battery in your NIORSUN ABE110-A solar deck lights, follow these steps based on the maintenance

guidelines: Access the Battery: While the manual does not explicitly detail the screw locations for opening...

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