STAR-SPANGLED US-21B-WH6

STAR-SPANGLED 6 Pack 2.8" Motion Sensor LED Puck Lights User Manual

Model: US-21B-WH6

Introduction

Thank you for choosing the STAR-SPANGLED 6 Pack 2.8" Motion Sensor LED Puck Lights. These battery-operated lights are designed to provide convenient, automatic illumination in various indoor spaces. Featuring both motion and light sensors, they activate only when needed, helping to conserve battery life. This manual provides detailed instructions for setup, operation, maintenance, and troubleshooting to ensure optimal performance of your lights.

Product Features

- **Motion and Light Sensing:** Lights automatically turn on when human motion is detected within a 120-degree range and up to 16 feet in dark or low-light conditions. They automatically turn off after 20 seconds of no motion.
- **High-Quality Illumination:** Each light features 6 x 0.5W 140 Lm/W Ra 90 LEDs, providing 60 lumens of cool white light (6500 Kelvin) with a high Color Rendering Index (CRI) of 90. The milky white LED panel ensures soft, eye-friendly lighting.
- **Battery Operated:** Each puck light requires 3 AAA batteries (not included), offering cordless installation and eliminating the need for wiring.
- **Easy Installation:** Designed with a split mechanism and custom super-adhesive pads for stable, tool-free mounting on various surfaces. The lights can be easily removed for battery replacement.
- **Compact Design:** With a 2.76-inch diameter and 1.02-inch height, these mini lights are suitable for small spaces.
- **Versatile Application:** Ideal for closets, cabinets, counters, stairs, kitchens, pantries, hallways, basements, garages, laundry areas, drawers, and mailboxes.



Image: Illustration of the motion sensor's 16ft/5m distance and 120-degree range in a kitchen setting.

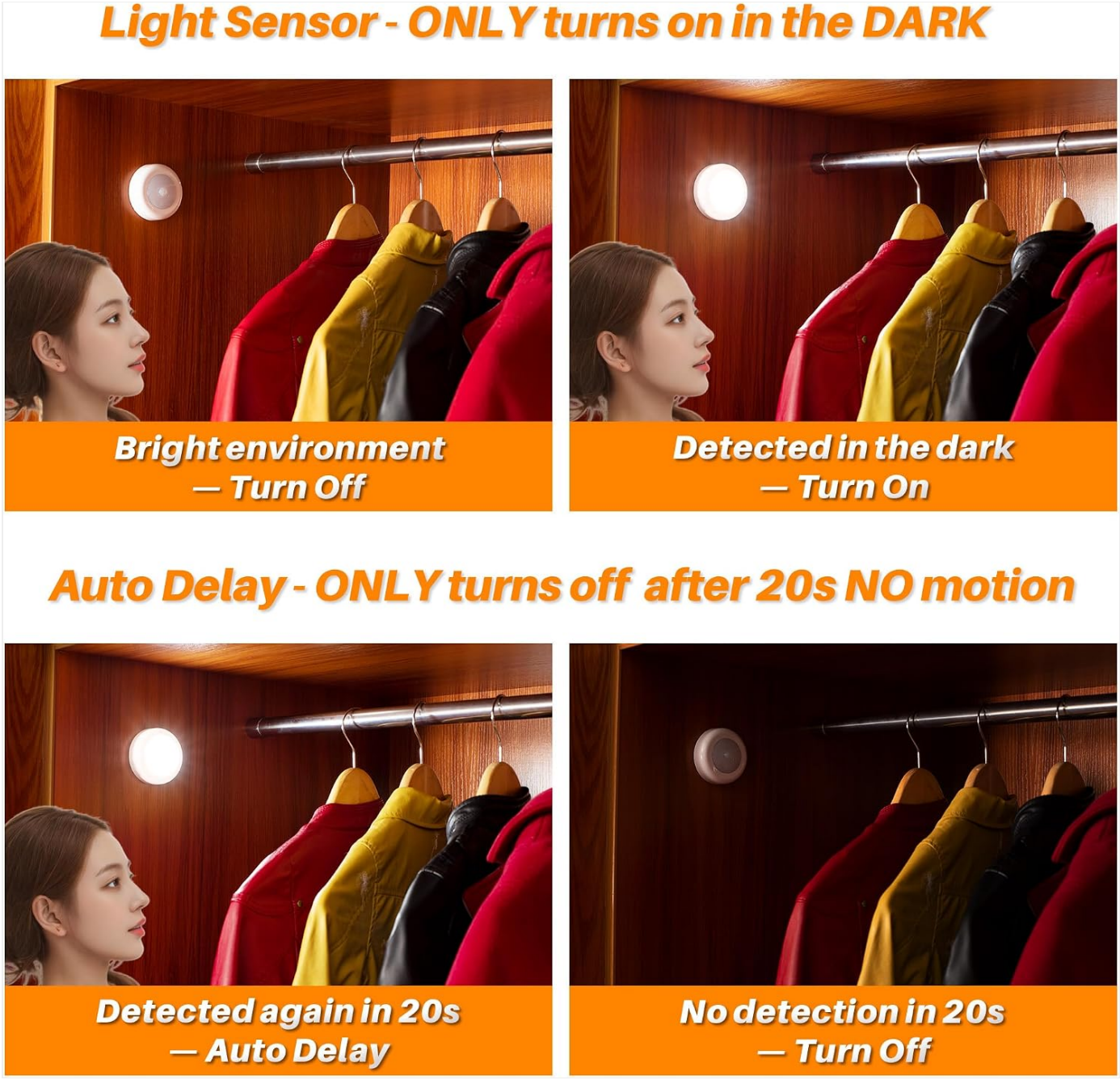


Image: Demonstration of the light sensor (only turns on in dark environments) and auto-delay function (turns off after 20 seconds of no motion) within a closet.

Setup

1. Battery Installation

1. Hold the light and twist the top cover counter-clockwise from the gap to open it.
2. Insert 3 AAA batteries (not included) into the battery compartment, ensuring correct polarity (+/-).
3. Align the top cover with the base and twist clockwise to close securely.

2. Mounting the Light

1. Clean the desired mounting surface to ensure it is dry and free of dust or grease.
2. Remove the protective film from the back of the super-adhesive tape located on the light's base.
3. Press the light firmly onto the chosen surface for a few seconds to ensure a strong bond.

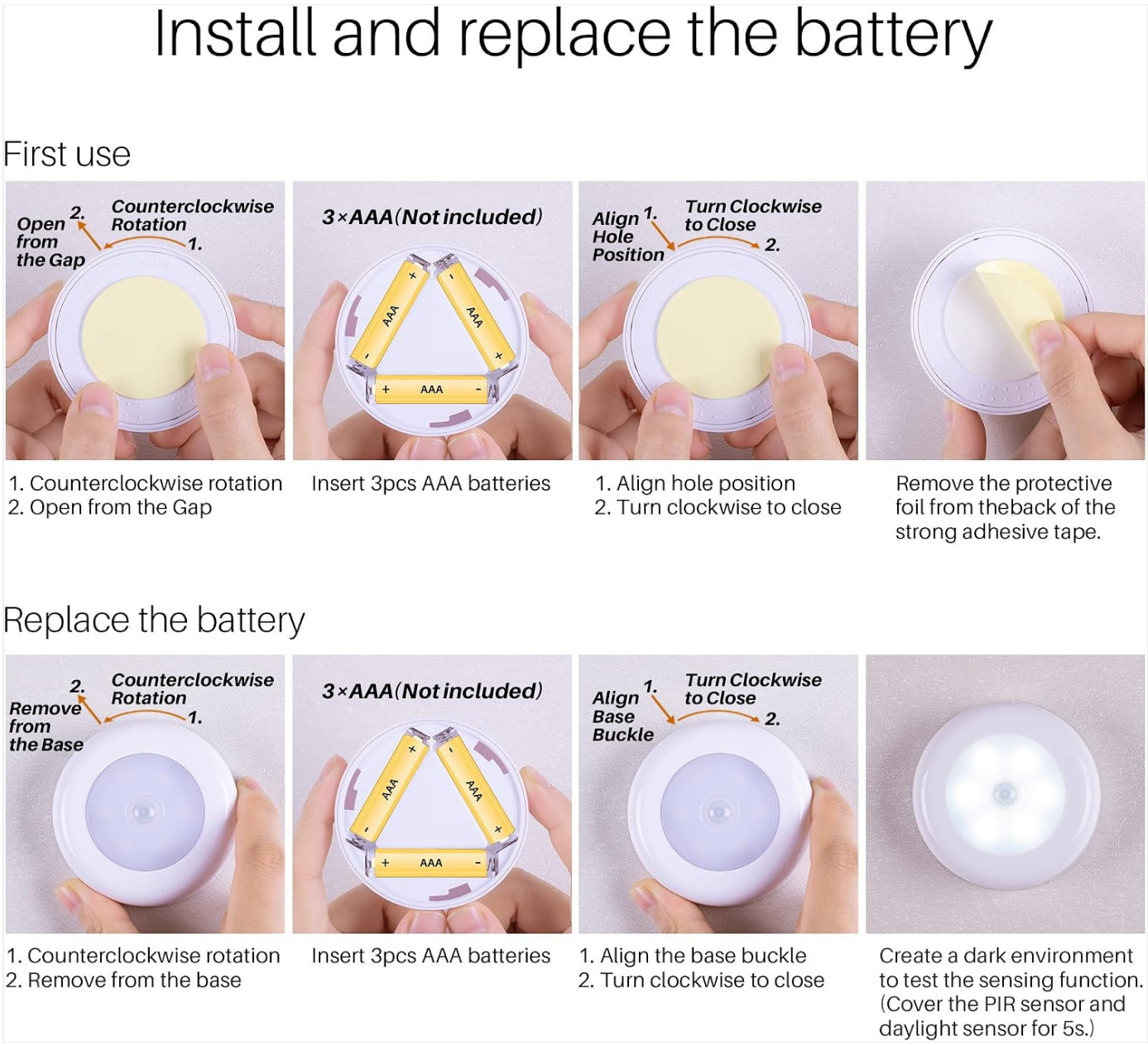


Image: Step-by-step visual guide for initial battery installation and subsequent battery replacement, including how to open, insert batteries, and close the light, as well as applying the adhesive.

Operating Instructions

The STAR-SPANGLED Motion Sensor LED Puck Lights are designed for automatic operation based on ambient light and motion detection.

- **Automatic Activation:** The light will only activate in dark or low-light conditions. If there is sufficient ambient light, the light will not turn on, even if motion is detected, to conserve battery power.
- **Motion Detection:** When motion is detected within its 120-degree, 16-foot range in a dark environment, the light will automatically turn on.
- **Auto-Off Function:** The light will remain on as long as motion is continuously detected. If no motion is detected for approximately 20 seconds, the light will automatically turn off.
- **Manual Override (if applicable):** Some models may feature a manual on/off switch or mode selection. Refer to the product packaging for specific manual control options.

Your browser does not support the video tag.

Video: Official product video demonstrating the motion sensor lights in various applications such as stairs, closets, and washrooms, highlighting their automatic activation and auto-off features.

Maintenance

Battery Replacement

When the light output appears dim or the light stops activating, it is time to replace the batteries.

1. Gently twist the light unit counter-clockwise from its mounted base to detach it.
2. Open the battery compartment by twisting the top cover counter-clockwise.
3. Remove the old AAA batteries and dispose of them responsibly.
4. Insert 3 new AAA batteries, observing the correct polarity.
5. Close the battery compartment by twisting the top cover clockwise until secure.
6. Reattach the light unit to its base by aligning and twisting clockwise until it clicks into place.

Cleaning

To maintain optimal performance and appearance, periodically wipe the light's surface with a soft, dry cloth. Avoid using abrasive cleaners or solvents, as these can damage the finish or electronic components.

Troubleshooting

- **Light does not turn on:**
  - Check if the batteries are inserted correctly with the right polarity.
  - Replace old batteries with new ones.
  - Ensure the environment is dark enough for the light sensor to activate. The light will not turn on in bright conditions.
  - Verify that there is motion within the sensor's range (16 feet, 120 degrees).
- **Light turns off too quickly or stays on too long:**
  - The light is designed to turn off after 20 seconds of no detected motion. Ensure there are no obstructions blocking the sensor or continuous motion keeping it active.
  - Check for external light sources that might be interfering with the light sensor, causing it to turn off prematurely.
- **Adhesive not holding:**
  - Ensure the mounting surface was clean, dry, and smooth before application.
  - For rough or uneven surfaces, consider alternative mounting methods if the adhesive is insufficient.

Specifications

Brand	STAR-SPANGLED
Model Name	6 x LED Motion Sensor Light with New Strong Adhesive Tape (US-21B-WH6)
Light Source Type	LED (6 pcs 0.5W LEDs)
Brightness	60 Lumens
Color Temperature	6500 Kelvin (Cool White)

Color Rendering Index (CRI)	90.00
Power Source	3 AAA Batteries (per light, not included)
Sensor Technology	Passive Infrared (PIR), Photodiode (Light Sensor)
Sensor Distance	16 feet (5 meters)
Sensor Range	120 degrees
Auto-Off Delay	20 seconds (after last motion detection)
Product Dimensions	2.76"D x 2.76"W x 1.02"H (70mm x 70mm x 26mm)
Item Weight	1.06 Ounces (per light)
Material	Plastic
Indoor/Outdoor Usage	Indoor use only
Water Resistance Level	Not Water Resistant (IP20)

Warranty and Support

For warranty information or technical support, please refer to the product packaging or contact STAR-SPANGLED customer service directly. Keep your purchase receipt for any warranty claims.

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