

LEPOWER YY01C-BR

LEPOWER Solar Security Lights User Manual

Model: YY01C-BR

INTRODUCTION

Thank you for choosing the LEPOWER Solar Security Light. This manual provides detailed instructions for the installation, operation, and maintenance of your new solar-powered motion sensor flood light. Designed for outdoor use, this light offers bright illumination, energy efficiency, and reliable motion detection for enhanced security around your home or property.

SAFETY INFORMATION

- Read all instructions carefully before installation and operation.
- Ensure the solar panel is placed in an area that receives direct sunlight for at least 6-8 hours daily to ensure optimal charging.
- Do not disassemble or modify the product. This may void the warranty and pose safety risks.
- Keep the product away from fire or extreme heat sources.
- This product is IP65 waterproof, suitable for outdoor use, but do not immerse it in water.
- Use appropriate tools and safety gear during installation. If unsure, consult a qualified electrician.

PACKAGE CONTENTS

- LEPOWER Solar Security Light (Main Unit with 2 adjustable heads and motion sensor)
- Solar Panel with 15-foot cable
- Mounting Screws and Wall Plugs
- User Manual



Image: The LEPOWER Solar Security Light, showing the main light unit with two adjustable heads and a separate solar panel connected by a cable.

PRODUCT OVERVIEW

The LEPOWER Solar Security Light features two adjustable LED light heads, a motion sensor, and a separate solar panel for flexible installation.

UPGRADED Motion Sensor

180° sensing angle

MAX 72Feet



Stepless
Adjustable Switch



Others



49Ft



Lepower

72Ft

Image: A detailed view of the light head, highlighting the internal LED lamp beads and the optical filter lens designed for softer, more effective illumination.

Key Components:

- **Adjustable Light Heads:** Two heads can be angled to cover desired areas.
- **Motion Sensor:** Detects movement up to 72 feet within a 180° detection angle.
- **Solar Panel:** Monocrystalline silicon panel for efficient charging, even in low light.
- **Stepless Adjustable Switch:** Allows fine-tuning of motion sensor sensitivity and light duration.

Solar Powered, No Need Electricity Fee



Image: An illustration of the solar security light installed on a house, with the solar panel positioned on the roof to capture sunlight and the light unit illuminating the backyard, demonstrating its solar-powered operation.

SETUP AND INSTALLATION

The LEPOWER Solar Security Light is designed for easy installation without the need for main power wiring.

Choosing a Location:

- **Solar Panel:** Select a location for the solar panel that receives direct sunlight for at least 6-8 hours daily. Avoid shaded areas from trees, buildings, or other obstructions.
- **Light Unit:** Mount the light unit in the desired area for illumination, ensuring the motion sensor faces the area you wish to monitor. Consider the 15-foot cable length for optimal placement flexibility.



Image: A diagram illustrating proper installation, showing the motion sensor facing outwards when mounted under an eave, and an incorrect installation where the sensor is blocked.

Installation Steps:

1. **Mount the Light Unit:** Using the provided screws and wall plugs, securely mount the light unit to a wall or eave. Ensure the mounting surface is stable.
2. **Mount the Solar Panel:** Position the solar panel in your chosen sunny location. Use the provided screws to secure it.
3. **Connect the Cable:** Connect the 15-foot cable from the solar panel to the light unit. Ensure the connection is secure.
4. **Adjust Light Heads:** Angle the two light heads to cover the desired illumination area.
5. **Adjust Motion Sensor:** Adjust the motion sensor's angle to optimize detection range and coverage.

Branded LED Lamp Beads

Softer Light



Image: The solar security light mounted on the exterior of a house, demonstrating its simple installation process without visible wiring.

OPERATING INSTRUCTIONS

The LEPOWER Solar Security Light features a stepless adjustable switch to control its operational modes and settings.

3 Convenient Operational Modes



Auto mode

Light up between 10s-120s(max).



Normally on mode

Stays on about 50min after full charge.



Test mode

Will come on for about 7s no matter day or night, for testing only.



Image: A visual representation of the three convenient operational modes: Auto mode (light up between 10s-120s), Normally on mode (stays on about 50min after full charge), and Test mode (comes on for about 7s for testing).

Operational Modes:

- **Auto Mode:** In this mode, the light will activate when motion is detected and stay on for a duration between 10 to 120 seconds (adjustable). This is the primary energy-saving mode.
- **Normally On Mode:** The light will stay on for approximately 50 minutes after a full charge. This mode is suitable for continuous illumination for a limited period.
- **Test Mode:** The light will come on for about 7 seconds when motion is detected, regardless of day or night. This mode is useful for testing the motion sensor's range and light coverage during installation.

Adjusting Settings:

The stepless adjustable switch allows you to fine-tune the motion sensor's sensitivity and the light's duration in Auto Mode. Rotate the dial to increase or decrease the desired setting.



Image: A close-up of the motion sensor unit, showing the adjustable dial for sensitivity (Max 72 Feet) and the 180° sensing angle.

MAINTENANCE

- **Cleaning:** Regularly wipe the solar panel with a soft, damp cloth to remove dust, dirt, or debris. A clean solar panel ensures optimal charging efficiency.
- **Battery:** The product uses built-in Lithium Ion batteries. These are designed for long life (up to 50,000 hours of light lifespan). No user maintenance or replacement of batteries is typically required.
- **Inspection:** Periodically check the light unit and solar panel for any physical damage or loose connections.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Light does not turn on at night.	◦ Insufficient sunlight on solar panel. ◦ Solar panel or light unit is dirty. ◦ Battery charge is too low.	◦ Relocate solar panel to a sunnier spot. ◦ Clean the solar panel and light sensor. ◦ Allow 1-2 sunny days for full charge.
Motion sensor not detecting movement.	◦ Sensor obstructed or incorrectly angled. ◦ Sensitivity setting is too low. ◦ Interference from heat sources or reflective surfaces.	◦ Adjust sensor angle and ensure clear line of sight. ◦ Increase sensitivity using the adjustable switch. ◦ Relocate light away from interfering elements.
Light stays on continuously or flashes.	◦ Sensor is in Test Mode. ◦ Constant motion in detection area. ◦ Faulty sensor.	◦ Switch to Auto Mode. ◦ Adjust sensor angle or sensitivity to reduce false triggers. ◦ Contact customer support if problem persists.

SPECIFICATIONS

• Model: YY01C-BR • Brightness: 1000 Lumens • Color Temperature: 5500K (White Light) • Power Source: Solar Powered • Wattage: 4.44 watts • Motion Sensor Range: Up to 72 feet • Detection Angle: 180° • Water Resistance: IP65 Waterproof • Material: Acrylonitrile Butadiene Styrene (ABS) • Product Dimensions: 10"L x 8.5"W x 4.8"H • Item Weight: 2.2 Pounds • Batteries: 2 Lithium Ion batteries (included) • Average Battery Life: 50,000 Hours (LED lifespan) • Cable Length (Solar Panel): 15 feet • Certifications: FCC Listed & ETL Listed

Dimension Details



Image: A technical drawing showing the dimensions of the LEPOWER Solar Security Light unit, including length, width, and height measurements.

WARRANTY AND SUPPORT

LEPOWER provides a 1-year warranty for this product, covering defects in materials and workmanship from the date of purchase.

To Claim Warranty or for Support:

- Please retain your proof of purchase.
- Contact LEPOWER customer service through the retailer's platform or visit the official LEPOWER website for contact information.
- Provide your product model number (YY01C-BR) and a detailed description of the issue.

For more information and product updates, visit the [LEPOWER Brand Store on Amazon](#).

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.

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