SECUROAD HBT-1606BW

SECUROAD 1100 Lumens Solar Motion Sensor Light Outdoor - HBT-1606BW Instruction Manual

Your guide to setting up, operating, and maintaining your SECUROAD Solar Motion Sensor Light.

1. Product Overview

The SECUROAD 1100 Lumens Solar Motion Sensor Light is an outdoor lighting solution designed for security and convenience. It features a durable black aluminum alloy housing, high-efficiency monocrystalline solar panel, and a 4500mAh lithium-ion battery. With 46 high-quality LEDs, it delivers 1100 lumens of bright illumination and offers four versatile lighting modes to suit various outdoor applications.

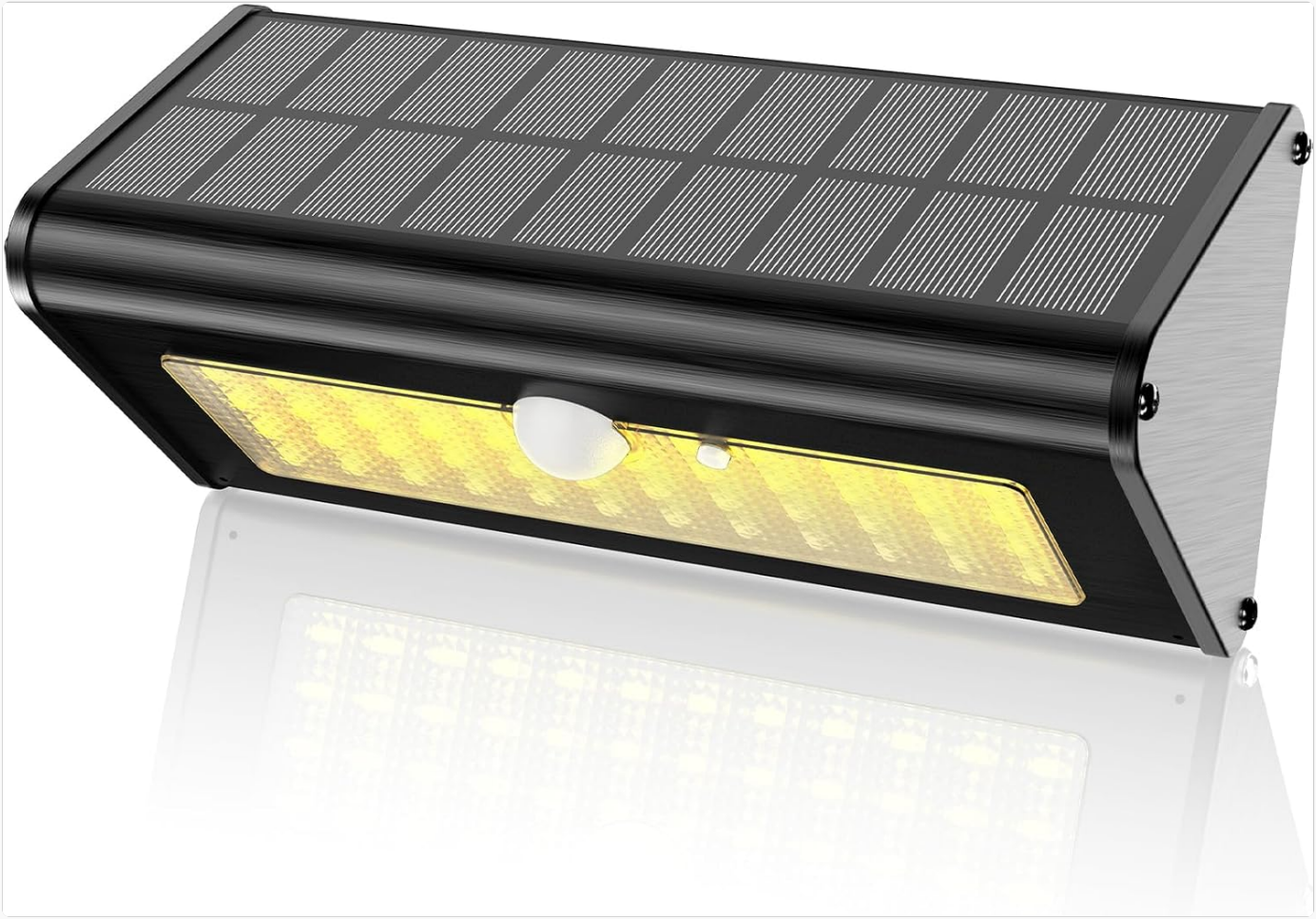


Figure 1: Front view of the SECUROAD Solar Motion Sensor Light, showcasing the solar panel on top and LED array with motion sensor

below.



Figure 2: The SECUROAD Solar Motion Sensor Light installed outdoors, providing wide illumination for a backyard area.

2. Package Contents

Verify that all items are present in your package:

- SECUROAD Solar Motion Sensor Light (Model HBT-1606BW)
- Explosion-proof batteries (type 18650, pre-installed)
- Mounting kit (screws and wall anchors)
- Instruction manual



Figure 3: Contents of the package, including the solar light, instruction manual, and mounting hardware.

3. Specifications

Feature	Detail
Model Name	HBT-1606BW
Brightness	1100 Lumens
Battery Capacity	4500mAh Lithium-ion (18650 type)
Water Resistance	IP65 Waterproof
Material	Aluminum Alloy
Light Source	46 LEDs

Feature	Detail
Motion Sensor Range	120° detection, up to 26 feet
Color Temperature	Warm White (4000 Kelvin)
Product Dimensions	9"L x 3.74"W x 4.13"H
Power Source	Solar Powered

4. Setup & Installation

For optimal performance, install the solar light in a location that receives direct sunlight for at least 6-8 hours daily. Ensure the solar panel is unobstructed.

Installation Steps:

1. Choose a suitable mounting location, such as a wall, fence, or post, ensuring it is vertically mounted with the light portion facing downwards to prevent water accumulation.
2. Use the provided mounting kit (screws and wall anchors) to secure the light. Mark the positions for drilling using the light's mounting holes as a template.
3. Drill holes, insert wall anchors if necessary, and then fasten the light securely with screws.

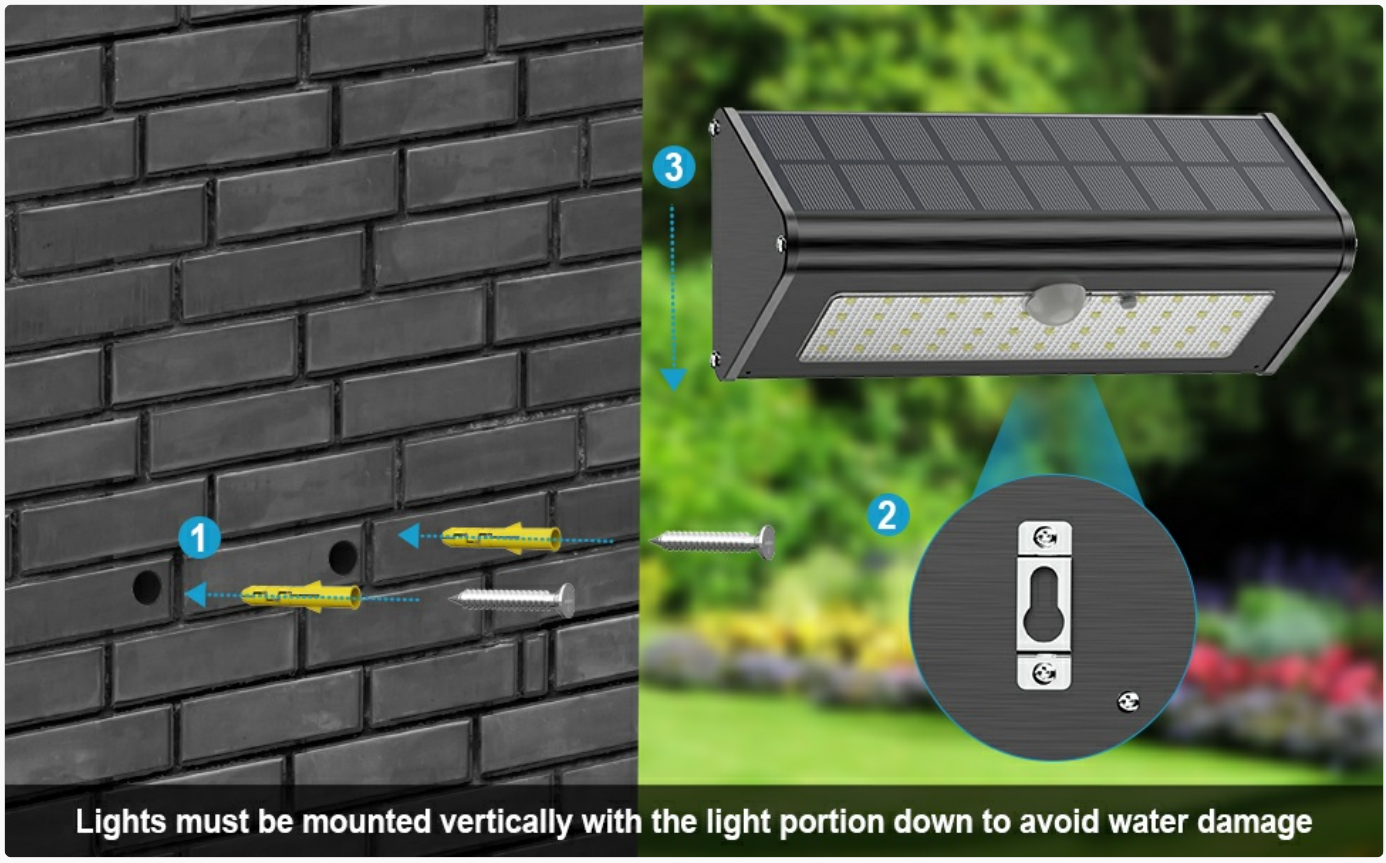


Figure 4: Visual guide for mounting the solar light on a wall, emphasizing vertical orientation.



Figure 5: Example installation above a garage, demonstrating solar power usage.

5. Operating Modes

The SECUROAD Solar Motion Sensor Light features a single button for power and mode selection. To turn on the light, press and hold the button for 5 seconds in a dark environment. Short presses will cycle through the modes.

Available Modes:

- **Mode 1: Dim-Bright Mode**
  The light stays dim constantly and brightens to full intensity for 15 seconds when motion is detected.
- **Mode 2: Off-Bright Mode**
  The light remains off and turns on to full intensity for 15 seconds when motion is detected.
- **Mode 3: Constant Lighting Mode**
  The light stays on at a constant dim level throughout the night, without motion sensor functionality.
- **Mode 4: Emergency Lighting Mode**
  The light turns on to full intensity for 30 minutes, then turns off. This mode is activated by sensing external light (e.g., car headlights) and does not use the motion sensor.

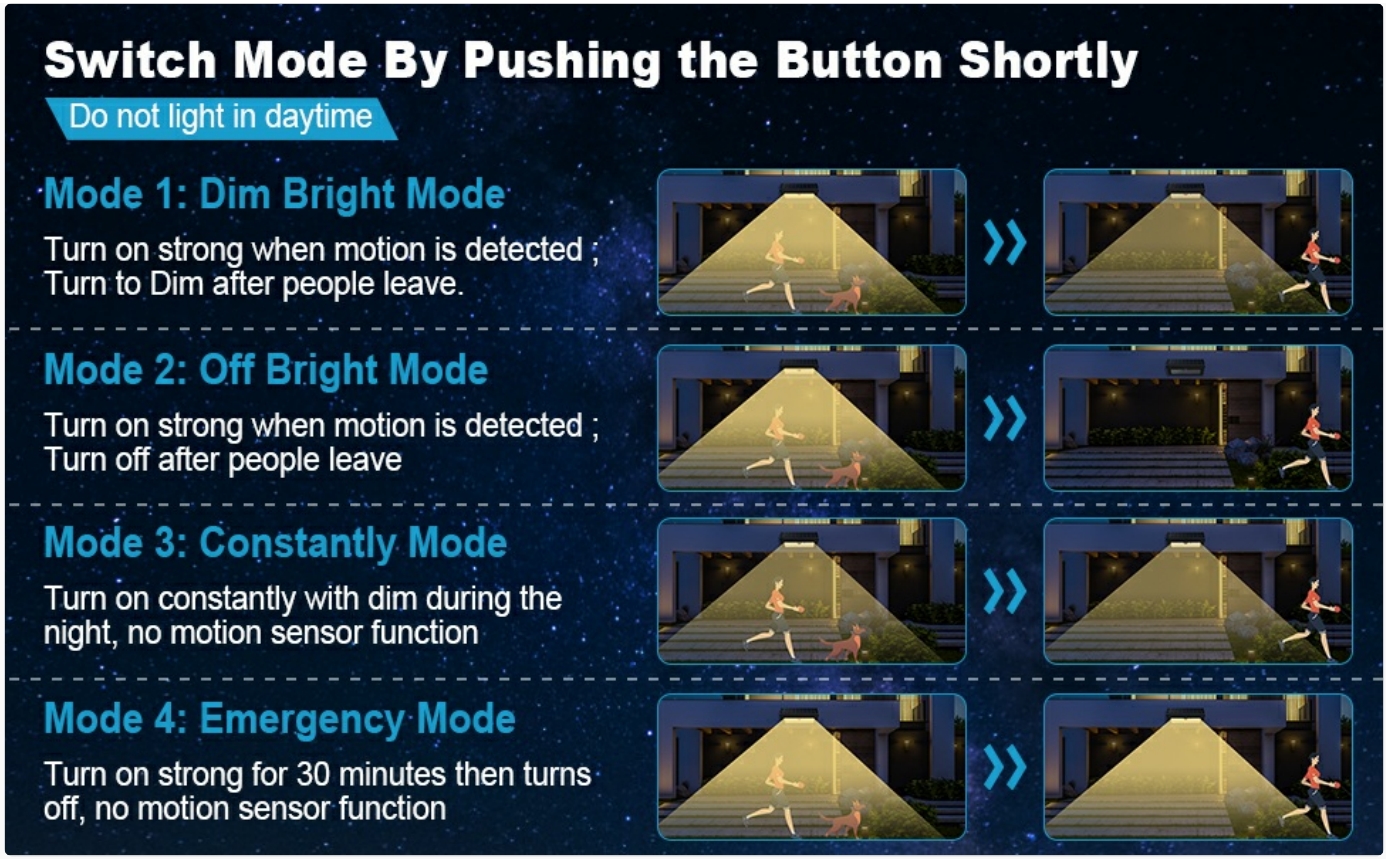


Figure 6: Visual representation of the four distinct lighting modes and their behavior.

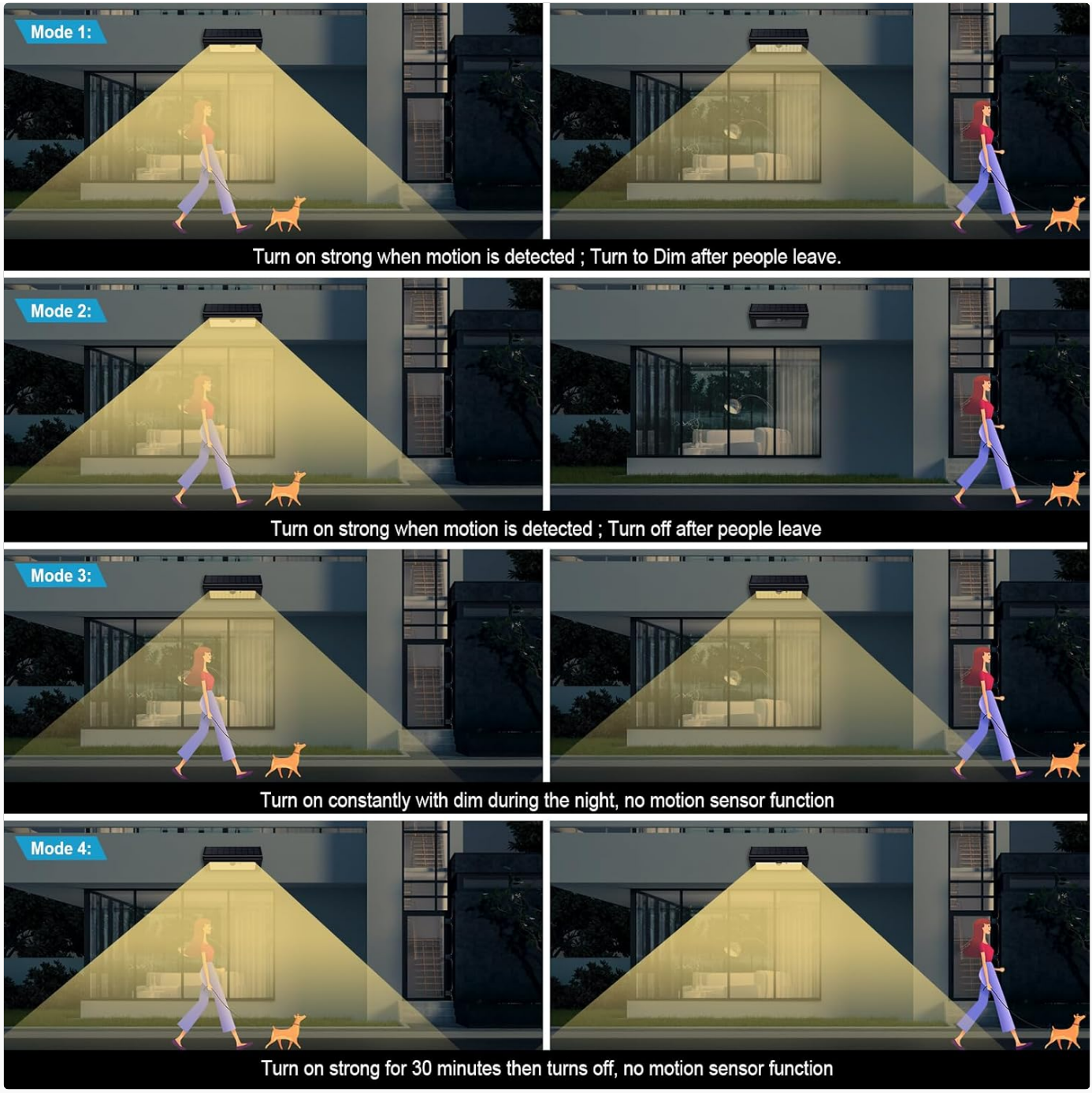


Figure 7: Illustration of the four versatile lighting modes in action, demonstrating how the light responds to motion or stays constant.

6. Maintenance

To ensure the longevity and optimal performance of your SECUROAD Solar Motion Sensor Light, follow these maintenance guidelines:

- **Clean the Solar Panel:** Regularly wipe the solar panel with a soft, damp cloth to remove dust, dirt, and debris. A clean panel ensures maximum sunlight absorption and efficient charging.
- **Clear Obstructions:** Periodically check that no tree branches, leaves, or other objects are blocking the solar panel or the motion sensor.
- **Battery Care:** The pre-installed 4500mAh lithium-ion battery is designed for over 5 years of use. Avoid extreme temperatures that could affect battery life.
- **Inspect for Damage:** Occasionally inspect the light's aluminum housing and PVC lampshade for any signs of damage or wear. The IP65 waterproof rating protects against typical outdoor conditions.

7. Troubleshooting

If you encounter issues with your solar light, consider the following common solutions:

- **Light Not Turning On at Night:**
  Ensure the solar panel is receiving sufficient direct sunlight during the day. Relocate the light if necessary. Verify that the light is not in the 'Off' mode.
- **Light Not Brightening with Motion:**
  Check the selected operating mode. Modes 1 and 2 are motion-activated. Ensure the motion sensor is not obstructed and is within the 120° detection range and 26-foot distance.
- **Short Illumination Time:**
  This may indicate insufficient charging. Ensure the solar panel is clean and exposed to direct sunlight for a full day. Cold weather can also reduce battery efficiency.
- **Light Stays On Constantly (Dim):**
  The light might be in 'Constant Lighting Mode' (Mode 3). Cycle through the modes to select your preferred setting.
- **Light Not Responding to Button Presses:**
  Ensure the light has been sufficiently charged. If the battery is completely depleted, it may not respond immediately. Allow it to charge in direct sunlight for a day.

8. Warranty & Support

SECUROAD provides lifetime product support for your solar motion sensor light. For any questions, concerns, or assistance with your product, please refer to the contact information provided in your package or visit the official SECUROAD website for support resources.

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