Gama Sonic 201iS60822

Gama Sonic 1620 Lumens Outdoor Solar Light with PIR Motion Sensor and Timer Instruction Manual

Model: 201iS60822

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Gama Sonic 1620 Lumens Outdoor Solar Light. This energy-efficient lighting solution is designed for various outdoor applications, including commercial, off-grid, industrial, and farm environments. Please read this manual thoroughly before use to ensure proper function and longevity of your product.

SAFETY INFORMATION

- Ensure the solar light is installed in a location that receives a minimum of 2 hours of direct sunlight daily for optimal charging.
- Do not attempt to disassemble or modify the product, as this may void the warranty and cause damage.
- Keep the solar panel clean and free from debris to maintain charging efficiency.
- Handle the product with care during installation to prevent damage to components.

PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- Gama Sonic 1620 Lumens Outdoor Solar Light unit
- Mounting hardware (screws, nuts, washers)
- Instruction Manual

Image: The Gama Sonic solar light unit shown alongside its mounting hardware, including bolts, nuts, and washers.

SETUP

The Gama Sonic solar light offers versatile mounting options for various outdoor environments.

1. Choose a Mounting Location

Select a location that receives a minimum of 2 hours of direct sunlight per day. Optimal performance is achieved with 6 hours of direct sunlight. The light can be mounted on a wall or a pole.

GAMA SONIC® SOLAR LIGHTING

Solar Security & Area Light with Motion Sensor

- Solar Operated
- Automatic Dusk to Dawn
- 10+ years tempered glass solar panels lifespan
- 3+ years battery lifespan
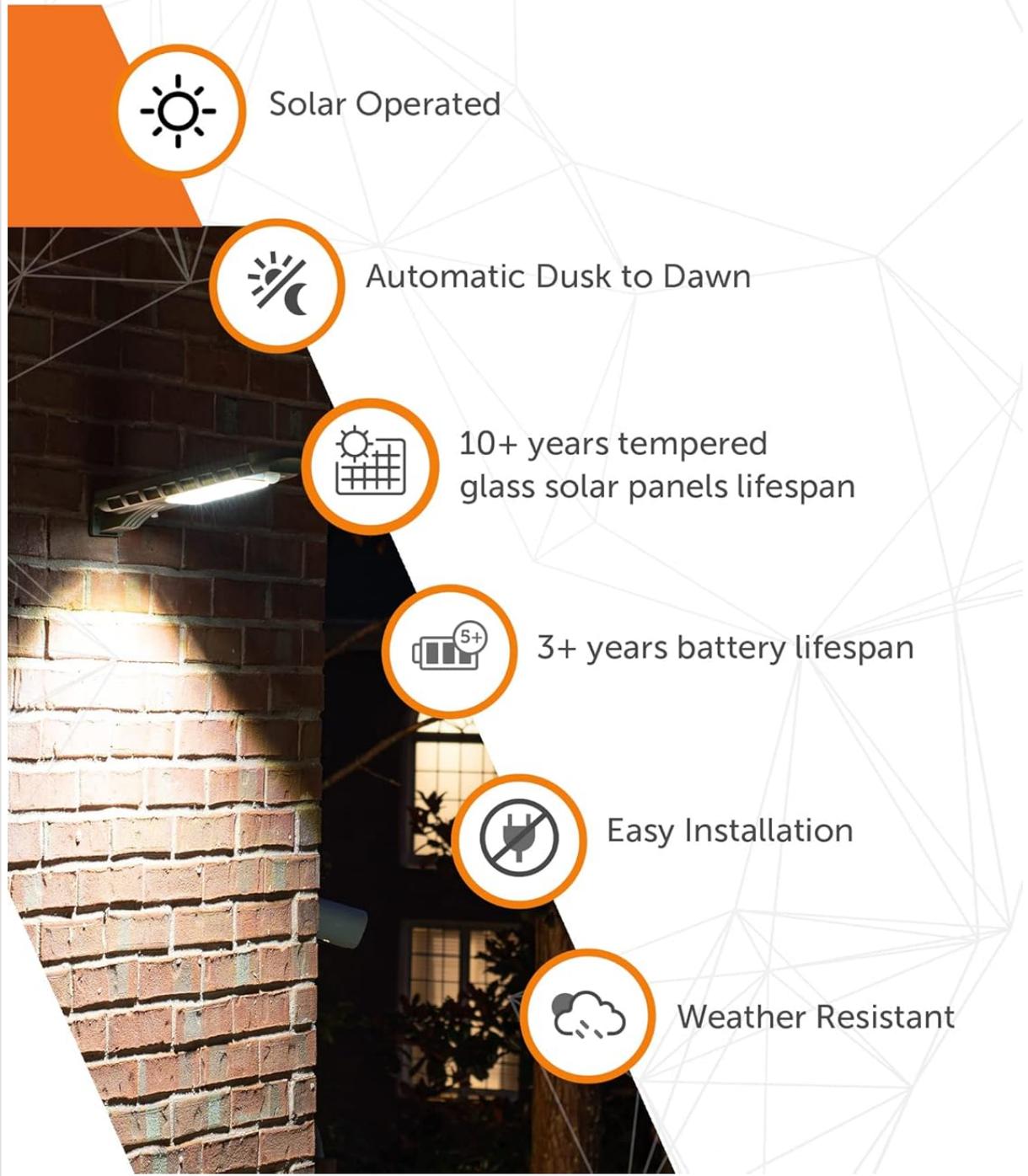- Easy Installation
- Weather Resistant

Image: A solar light mounted on a textured wall, with an overlay graphic emphasizing the requirement for a minimum of 2 hours of direct sunlight for charging.

2. Mounting the Light

Use the provided mounting hardware to securely attach the light to your chosen surface. Ensure the light is stable and positioned to maximize sun exposure on the solar panel.

Image: Several Gama Sonic solar lights are mounted along the side of a commercial building, providing bright illumination to the area at dusk.

Image: A Gama Sonic solar light is shown mounted on an exterior wall during daylight hours, highlighting its integrated solar panel.

3. Initial Charging

Allow the solar light to charge for at least 24-48 hours in direct sunlight before its first use to ensure the battery is fully charged. This will optimize performance.

Image: A detailed view of the Gama Sonic 1620 Lumens Outdoor Solar Light, showcasing its LED array and integrated PIR motion sensor.

OPERATING MODES

The solar light features multiple operating modes to suit various lighting needs.

- **Dusk-to-Dawn Operation:** The light will automatically turn on at dusk. It provides a constant brightness of 500 Lumens for 4 hours, then reduces to 100 Lumens. After the initial 4 hours, motion detection will trigger 500 Lumens brightness.

- **PIR Motion Sensor Activation Mode:** When motion is detected within the 140-degree detection zone, the LED Solar Area Light will illuminate at 1620 Lumens for 60-second intervals. This mode supports up to 150 cycles per night.

- **Timer Settings:** Use the timer dial to select an operation time of 4, 5, 6, 7, or 8 hours. Setting the timer to '0' enables dusk-to-dawn operation.

Image: An infographic detailing key benefits including light duration (up to 150 cycles/night), charging time (6 hours direct sunlight), dusk to dawn operation, bright white 6000K color temperature, and 1620 lumens output.

Your browser does not support the video tag.

Video: This video demonstrates the features and operation of the Gama Sonic Outdoor Solar Light, including its PIR motion sensor capabilities and various lighting modes.

Maintenance

Regular maintenance ensures optimal performance and extends the lifespan of your solar light.

1. Cleaning the Solar Panel

Periodically clean the solar panel with a damp cloth to remove dust, dirt, or debris. A clean solar panel ensures maximum sunlight absorption and efficient battery charging.

2. Battery Replacement

The integrated Lithium Ion battery is designed for long-term use (3+ years lifespan). If the light's performance significantly diminishes over time, the battery may need replacement. Refer to the product's technical specifications for battery type and consult Gama Sonic customer support for replacement instructions.

TROUBLESHOOTING

If your solar light is not functioning as expected, try the following solutions:

- **Light not turning on at night:** Ensure the solar panel is receiving adequate direct sunlight during the day. Check for any obstructions (e.g., leaves, dirt) on the solar panel. Verify the light is not installed under another light source that might prevent the dusk-to-dawn sensor from activating.

- **Light not staying on for the expected duration:** This often indicates insufficient charging. Relocate the light to an area with more direct sunlight or ensure the solar panel is clean. Battery performance can also decrease over time; consider battery replacement if the unit is several years old.

- **Motion sensor not activating:** Check that the motion sensor is clear of obstructions. Ensure the light is in the correct operating mode for motion detection.

SPECIFICATIONS

Key technical specifications for the Gama Sonic 1620 Lumens Outdoor Solar Light:

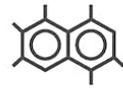| Feature	Detail
Brand	Gama Sonic
Model Number	201iS60822
Luminous Flux	1620 Lumens
Color Temperature	6000 Kelvin (Bright White)
Power Source	Solar Powered
Battery Type	1 Lithium Ion battery (included)
Wattage	10 watts
Product Dimensions	20 x 8.5 x 4 inches
Item Weight	4.6 pounds
Special Features	Cordless, PIR Motion Sensor, Timer
Switch Style	Motion Sensor, Timer
Material	Glass, Resin
Weather Resistance	IP65 rated

Dusk to Dawn Operation

Tempered Solar Panel Glass

Weather Resistant IP65

ABS Resin

2 Year Limited Warranty

Timer

Motion Sensor

Image: A diagram illustrating the dimensions of the solar light: 20 inches in depth, 8.5 inches in width, and 2 inches in height.

SOLAR LIGHTING BENEFITS

- ✓ Easy Installation
- eco Sustainable Solution
- $ Cost Efficient
- No Wiring

Image: An infographic highlighting the durable construction of the Gama Sonic solar light, including LED Technology, Weather Resistance, Durable Resin Frame, Tempered Glass (10+ years lifespan), and Battery Life (3+ years lifespan).

WARRANTY

The Gama Sonic 1620 Lumens Outdoor Solar Light is backed by a 5-year manufacturer warranty. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

SUPPORT

For further assistance, technical support, or warranty inquiries, please contact Gama Sonic customer service. Contact information can typically be found on the manufacturer's website or product packaging.