



SOLAR SECURITY LIGHT with MOTION SENSOR

Instruction Manual

Model: GS-10



Introduction

Thank you for your purchase. **GAMA SONIC**® solar charged lighting eliminates the problems associated with most solar lighting available today. **GAMA SONIC**® lights are brighter and last all night with a typical solar charge. Unique design, superior light output and numerous installation options confirm the outstanding value of our product.

GAMA SONIC® has been recognized as a worldwide leader in the lighting industry for over 20 years. The company also offers unique multi-purpose solar lamps and emergency lighting products.

Please read the instruction manual carefully to obtain the best results from your purchase.






Tools that are needed but not supplied with the solar post lamps are: a screw driver and a power drill.

Solar Lamp Location:

For optimum light duration throughout the night, it is very important to place the solar panel in a spot where it will receive the maximum amount of direct sunlight throughout the day.
Also, for best results install your solar panel facing the south.

NOTE: The Light fixture is for OUTDOOR USE only and will not work properly indoors.
DO NOT INSTALL THE LIGHT INDOORS

What's included:

				 X 2
A. Light w/ motion sensor	B. Solar panel	C. Light wall bracket	D. Solar panel wall bracket	E. Screws with wall anchors

Installation Instructions

1. Align the Light wall bracket (C) on a wall where you plan to install the Solar security light, and mark the hole locations with a marker/pencil.
2. Use an electric drill to make two holes in the wall, place provided anchors (E) into holes, place the Light wall bracket (C) in line with the holes and secure it with the provided screws (E). Make sure the bracket is installed with the arrow facing UP.
3. Slide the Light w/ motion sensor (A) into the installed wall bracket (C).
4. If your Light location is exposed to the sun, you can simply slide the Solar panel (B) into the Light (A) see Fig 1.



5. If you need to install the Solar panel (B) remotely, follow these steps:
Make sure to install the solar panel no more than 15 ft. away from light.
 - a. Align the Solar panel wall bracket (D) on a wall where you plan to install the Solar panel, and mark the hole locations with a marker/pencil.
 - b. Use an electric drill to make two holes in the wall, place provided anchors (E) into holes, place the Solar panel wall bracket (D) in line with the holes and secure it with the provided screws (E). Make sure the bracket is installed with the arrow facing UP.
 - c. Slide the Solar panel (B) into the installed wall bracket (D).
6. Connect the wire between the solar panel and the light. See Fig. 2



Operation Instructions



1. The On/Off button (Fig. 3) is located on the bottom side of the light (Fig. 3). To set the light to operate when it is dark, push the on button. Push again to disable operation.
2. To test that the unit is functioning, cover the motion sensor (Fig. 3) with your hand. If you test it in daylight, you'll need to wait approx. 15 seconds for the light to turn on.

Adjustable Lamp & Sensor

3. You can adjust the angle of the light up and down.
4. Loosen the screw (Fig. 4) by hand, until you can easily move the light angle to the desired position and retighten. (be careful to only loosen the screw)





5. Adjust the angle of the motion sensor for better performance.
6. Loosen the screw (Fig. 5) by hand, until you can easily move the sensor to the desired position and retighten. (be careful to only loosen the screw)




Sensor range adjustment

7. You can adjust the sensitivity of the Motion sensor, using flat head screwdriver (Fig. 6). Turn the adjustment screw toward the “+” for higher sensitivity, or toward the “-” for less.

- 
- a. **TIME** Lighting time when motion is activated: from 8 seconds to 5 minutes

- 
- b. **SENS** Sensing distance: from 2 ft. to 50 ft.

- 
- c. **LUX** Sensing darkness level: from completely dark to daylight.

Note: Setting the light to work on daylight, may run the battery down before night time, based on the activity near the light.



Fig. 6

Replacing the Batteries

8. After several years of use, the batteries may need replacing.
 - a. Unscrew the 2 screws on the bottom of the light (fig. 7).
 - b. Remove the battery by unclipping the connector.
Make sure the new battery pack is a high quality **Li-ion 3.2V rechargeable battery**.
 - c. Connect the new battery pack and place into the battery compartment.
 - d. Reassemble the unit by reversing the above procedure.

Screw locations



Fig. 7

WARNING: Do not dispose of Li-Ion battery in the regular trash, municipal waste stream or by fire as batteries may leak or explode. Do not open, short circuit, or mutilate batteries as injury may occur. Preserve our environment by recycling Li-Ion batteries or disposing of them in accordance with local, State and federal regulations. Do not mix old and new batteries.

Maintenance

Clean the solar panels regularly with a damp towel to guarantee optimum performance. Do not use any type of solvent for cleaning and be careful not to put too much pressure on the solar panels while cleaning.

Trouble Shooting

If your solar charged light does not come on at dusk despite observance of all the instructions, please try the following steps:

1. Make sure that the solar panel is not being affected by any other light source.
2. Ensure the solar panel is not positioned in the shade during the day.
3. Make sure the switch is on the On position.
4. Check that the batteries are installed correctly.

NOTE: The performance of the solar lamp will vary with the time of year. It will deliver more light when it has had a full day in the sun rather than a day in overcast weather.

WINTERTIME TIPS: For optimal performance, be sure to remove any snow or debris accumulation from solar panel. A solar panel free of debris will charge the batteries much more efficiently.

WARNING: Please keep out of reach of children.

