Solar Goes Green RGB Solar Flood Light

SGG-RGB-54-2R

Read and follow all instructions before operating your solar light, save this manual for future reference.

PARTS
--- 1 x 13.5V,20W mono crystalline solar panel
--- 1 x LED lamp housing including 11.1V,8Ah li-ion battery
--- 1 x wireless RF remote control
--- 2 x Wall/Flat mount kit for solar panel
--- 1 x Wall mount screws and dry-anchors

INSTALLATION
INSTALLATION OF SOLAR PANEL
- Choose a place to situate the solar panel where there is abundant sunshine during the day. This unit requires at least eight hours of direct un-obstructed sunlight to charge the battery.
- Any cover or awning that shades the panel will affect its performance to charge the battery resulting in a shorter run time of the light during the night.
- The selected location should not be near a night time light source like a porch or street light. If the panel receives light on it at any time it will not allow the automatic day/night sensor to turn the light on.

INSTALLATION OF LIGHT
- Mount the led lamp at the desired place where you need light at night by using the metal dry-anchors and screws. Note: Rubber black covers are provided to place over exposed stem and nut. The light head is adjustable vertically but not horizontally.
- Plug the solar panel cable into the cable from the led lamp and secure with coupling provided.
- Turn on the switch which is located at the bottom of lamp, the light will shine after 5 seconds. Then turn off.

To test operation of unit, completely shield the face of solar panel by laying it face down on a flat surface or cover the panel with thick black cloth. The Lamp will turn ON after 5 seconds and remain on until solar panel is face to sun light again. This is normal test for day/night sensor.

THE SWITCH
- When power switch is switched to the, ▬ position, light will automatically turn on when it's dark enough. The light will shine at full capacity for approximately 8-10 hours on a full charge. When solar panel senses no charge coming from the panel (which indicates it is dark), the light will turn on, if there is charge (which indicates there is light on the panel), the light will not illuminate.

There are three settings for the switch:

o ▬ – Turns the power on, will allow the solar panel to charge the battery and run the light by remote control.
o O – Turns the unit completely off, there is no charging or light on this setting
o ═ – Operation to charge the battery only.

RF REMOTE CONTROL
The solar flood light comes with RF touch controller, which can operate the light from 75 feet away.
Note: 3 each of AAA alkaline batteries included. Not charged by panel. Must be replaced every 6 months or as needed.

DIRECTION OF REMOTE CONTROLLER USE
1. ○ --- OFF
2. ┃ ---Turn on or (change each touch ring and dynamic mode)
3. ⊙ ----Patterns add 1 by each pressing; (refer to the following form below)
4. ⊙ ----Patterns subtract 1 by each pressing; (refer to the following form below)
5. ✳ ---The speed or brightness change add 1 by each pressing, total of 128 steps
6. ✳ ---The speed or brightness change subtract 1 by each pressing
7. ⬤ ---Touch color ring, brightness is adjustable and pattern is fixed by ring color selected by touch

STANDARD CHANGES FUNCTION AS THE FOLLOWING FORM

No	Patterns	Note	No	Pattern	Note
1	Static red	Brightness is adjustable, speed is not adjustable	12	Purple strobe flash	Speed is adjustable, Brightness is not adjustable
2	Static green		13	Cyan strobe flash	
3	Static yellow		14	White strobe flash	
4	Static blue		15	Three-color gradual changing	
5	Static purple		16	Seven-color gradual changing	
6	Static cyan		17	Three-color jumpy changing	
7	Static white		18	Seven-color jumpy changing	
8	Red strobe flash	Speed is adjustable, Brightness is not adjustable	19	R/B crossfade	
9	Green strobe flash		20	B/G crossfade	
10	Yellow strobe flash		21	G/R crossfade	
11	Blue strobe flash				

When one mode is selected by pressing the button, the indicator red light on the controller must flash, demonstrating change was successful. If no flash, it means the change is not registered with lamp and must be repeated. The selected mode will be remembered next day and operate as that unless you turn off the power switch or new mode is selected.

NOTES AND TROUBLESHOOTING
- Before first use, leave the switch in the ▬ position for two days to allow battery a full charge.
- If there is not enough sunlight on the solar panel, the unit may not charge, please ensure that the unit is placed in a position where there is at least eight hours of sunlight a day.
- If there is too much ambient light, the unit will not activate as it will assume that it is not dark enough.
- Please keep the solar panel clean by wiping it once every few months with a damp cloth or paper towel. Don't use strong detergents or acid based cleaners.
- Rainy and cloudy conditions over continuous days will also affect the charging ability of the light and the light duration will be less.

BATTERY MAINTENANCE AND REPLACEMENT
MAINTENANCE
- Batteries should not be stored unless fully charged. Storing a battery on an empty charge will destroy it. If you are going to turn the unit off for a long period of time, please charge the unit on the ▬ setting for about 20 hours and then turn the switch **O** (off).
- If you are storing the unit for a long period of time, it will have to be recharged at least every three months. The battery will discharge slowly when it's being stored and in order to avoid it being damaged, you will need to charge it.

REPLACEMENT
If the lamp begins to illuminate dimly or for short durations of time and you know that it has had sufficient sunlight on the panel in order to charge, you should replace the battery in the following way:
1. Unscrew the screws from the lamp face. **Be cautious to retain O-rings washer on screw between lamp face and lamp housing**.
2. Pull out the battery cable plug and remove old battery.
3. Replace the new battery and and plug in the battery cable
4. Re-mount the lamp face.

WARNING
Batteries should never be thrown into the bin but rather disposed of in a battery recycling center.

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