Visible/Infrared LED Remote Control Floodlight with Inline Transformer - 12V Permanent Mount

INSTRUCTION GUIDE

Part# GL-4600-F-12I



Congratulations

You are now the owner of one of the finest remote control searchlights available today. Thank you for letting Larson Electronics assist you in your lighting application needs. We're proud of our products and the technology that we've developed to ensure our customers the most durable, versatile and powerful searchlights in the lighting industry.

Please read these instructions before using your new Remote Control Spotlight from Larson Electronics.

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The GL-4600 is a 1-Speed Searchlight with Directional Flexibility which gives the operator a full 360° horizontal rotation and a 180° vertical tilt with fingertip control. The GL-4600 provides superior light penetration with the new LED/PVEX lens technology.

GL-4600 Hard Wired - Magnet Mount:
GL-4600 Searchlight
Wiring Harness (+ inline transformer)
Permanent Mounting Gasket
Permanent Mounting Plate
Mounting Screws
Dash Control

MOUNTING INSTRUCTIONS

Light Unit/Permanent Mount

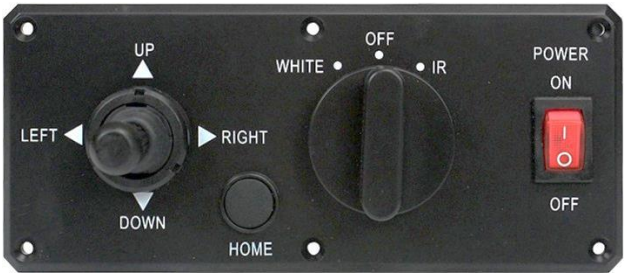
Determine the location for the light on your vehicle or boat. Remove the mounting plate from the light. Center the mounting plate. Mark the hole locations for the four mounting screws and drill a pilot hole for each with 1/8 inch bit. Fasten the stainless steel mounting plate with the 3 #10 – 16x3/4 type AB cross recessed pan head tapping screws. Drill a 1 1/4" hole in the center of the mounting plate opening to accommodate the wiring harness and connector. Attach the connector that is affixed to the underside of the light to the corresponding connector on the wiring harness. Position the connection point beneath the mounting surface, and apply silicone sealant around wire to seal the drilled opening. Place the light over the mounting plate. Install the set screws (provided) and tighten.

Light Unit/Magnetic Mount

Select the best location on your vehicle for the magnetic mount spotlight. Make sure the metal area under the magnetic base is flat and clean to ensure a strong bond. Route the power cord into the vehicle through a door frame and connect to power outlet. The magnetic mount GL-4600-M should be removed from vehicle's exterior while traveling at excessive speeds and in strong wind conditions.

Dash Control/Permanent Mount

Determine the appropriate location for the dash mount control and create an opening to accommodate the board on the rear of the remote. Affix the control to the dash with four screws. The words should be facing upright and should be situated accordingly. All wiring should be undertaken with power removed from the system. First, attach the connector that is affixed to the control to the corresponding connector on the wiring harness. Next, join the leads at the remote to output side of inline transformer. Apply 12V DC power with appropriate automotive wire attachments to the input side of inline transformer; **NOTE:** *The included inline transformer takes 12V DC from your power source and steps it up to 24V DC in order to power the searchlight.* The wire with (+) is the positive lead and the opposite black wire is the negative lead--the unit is polarity sensitive and care must be taken to observe this. As a safety feature, the power switch is backlit to indicate bulb illumination. *Each spotlight needs to be wired on a single dedicated circuit and the power fused at 5 amps. With the power connected, your light is ready for operation.*



OPERATION OF GL-4600

1. Using the remote control, turn on the light by moving the on/off switch.
2. With the joystick on the dash control, rotate your light to the desired location. Movement speed starts off slow and increases speed as the joystick is held down.
3. Position the dial to use the desired light. WHITE indicates the visible white LED light. IR indicates infrared LED.
4. Move the power switch ON to power on the selected light.
5. Press the HOME button to return the GL-4600 back to its original home position.

USAGE:

» This light is intended for off-road and utility use only
» This light is intended to be mounted outside the vehicle while in use
» This light may only be disassembled and repaired by an authorized representative

MISUSE:

» This light is not approved for road or highway use
» This light is not approved for underwater use
» This light is not approved for inverted mounting

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» This light is not approved for use inside a vehicle or enclosure and power should be disconnected prior to placing the light in such circumstance
» This light may be damaged if operated in icing conditions
» This light may only be dismantled by an authorized Larson Electronics representative.

» Any violation of the above referenced misuses will be considered grounds for warranty refusal

IMPORTANT SAFETY INFORMATION

✱ **This symbol is to alert you to important operating or servicing instructions that appear in your instructions. Always follow basic safety precautions when using this product to reduce the risk of injury, fire or electric shock.**

✱ This light is for off road and utility use only. It is not designed for road use as a driving light.

✱ The GL-4600 complies with Part. 15.105 of the FCC Rules. This equipment has been tested and found to comply with the limits for a Class B digital device. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

✱ FCC RULE Part. 15.21 - Changes or modifications made by the user not expressly approved by Larson Electronics, LLC. for compliance could void the user's authority to operate the equipment.

PARTS / ACCESSORIES

Contact manufacturer for GL-4600 parts and accessories.

Should further information not covered by these instructions be required, please contact Larson Electronics at 1-800-369-6671 or sales@larsonelectronics.com for further assistance.

Please visit LarsonElectronics.com for **Warranty** and **Return** information.

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