

For safe and efficient operation of your Golight® RadioRay®, observe these guidelines:

Using your RadioRay® in **icing conditions could damage the gear motors.** (Optional dome available - see accessory sheet.)

Always **keep the remote in the raincoat provided.** The remote must be kept clean and dry to avoid damage to the internal circuitry.

Your Golight® RadioRay® is a radio transmitter and receiver operating at 433MHz. Whenever the light is on, the internally mounted antenna sends out and receives radio frequency (RF) energy.

- Modern electronic equipment, i.e. Personal medical devices such as pacemakers, hearing aids, etc., are shielded from RF energy. However, RF energy may affect some electronic equipment.
- Vehicle electronic systems may be affected by RF energy. Check with your vehicle manufacturer representative to be sure that your RadioRay® will not affect the electronic system of your vehicle.

Three Year Limited Warranty

Golight, Inc. warrants the RadioRay® against any deemed defects that are due to workmanship for parts or faulty materials, **except lamps**, for three years from the date of the original purchase. This warranty to the RadioRay® does not cover damage resulting from unreasonable use or misuse, unreasonable maintenance or loss, or labor costs.

Mounting the light upside down will void the warranty.

Warranty cards must be filled out and sent in within 30 days of purchase to Golight, Inc. • RT 3 Box 37B • Culbertson, NE 69024, for warranty protection. Register online at www.golight.com.

If the Golight® RadioRay® does fail to operate under warranted specifications, send the **light and remote controls** postage paid, plus \$9.95 for shipping and handling to: Golight, Inc. • Service Department • RT 3 Box 37B • Culbertson, NE 69024. No C.O.D.'s accepted. Only the above manufacturer is authorized to perform warranty repair or replace product.

Any consequential damages to person or property are excluded from this warranty. Some states do not allow the exclusion and limitation of incidental or consequential damages, therefore the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights.

GOLIGHT®

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RT 3 Box 37B • Culbertson, NE 69024
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GOLIGHT®

RADIORAY® MODEL 2000/2051

Congratulations

You are now the owner of one of the finest remote control searchlights available today. Thank you for letting Golight® 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 Golight® Radioray®.



U.S. Patent 5,673,989

Instruction Guide

The Golight® RadioRay® Model 2000/2051 is designed to be permanently attached to a vehicle. The 2-Speed Searchlight with Directional Flexibility is controlled by a wireless remote, which gives the operator a full 370° horizontal rotation and a 135° vertical tilt with fingertip control. The RadioRay® provides superior light penetration with Cr5 PentaBeam™ technology.

The RadioRay® Includes:

- RadioRay® Searchlight
- Wireless Remote Control (must be kept clean and dry)
- 2 Duracell MN21 Batteries
- Raincoat for Remote
- Permanent Mounting Gasket
- Mounting Screws and Caps

MOUNTING INSTRUCTIONS

Determine the location for the light on your vehicle or boat. The small arrow on the base indicates the normal forward direction of the light. The light will rotate to the left of this arrow approximately 190° and to the right approximately 190°. The beam will angle down about 45° and angles up to 90°, a full vertical. The location should take into consideration this beam movement to ensure optimum usability.

Once the position and orientation are decided upon—use the black rubber gasket as a footprint to mark the mounting of base to vehicle. Drill 1/4 inch hole through mounting surface in the middle of the footprint for passage of the power cord. Use silicone sealant to fill opening around power cord. **IMPORTANT:** Allow 3" of cord to remain under the light to ensure full 370° rotation.

You should choose screw or bolt fasteners appropriate to the surface to which you intend to attach the light. If you intend to use the four small plastic caps provided to cover the screw heads once installed, a #8 round head is recommended.

The black gasket should be installed on the lamp base prior to attachment to the vehicle surface. **NOTE:** The small drain hole in the edge of the gasket should normally face opposite the forward direction of the vehicle—opposite the arrow molded in the front of

the base.

The 12 Volt DC power wire should be joined to the leads under the lamp with appropriate automotive wire attachments. It is critical that polarity be observed. The (+) lead of the RadioRay® is marked with a red tag. The power should be fused at 10 Amps and be on an ignition switched circuit if possible.

PROGRAMMABLE REMOTE INSTRUCTIONS

The Golight® RadioRay® is controlled with a programmable remote with 6561 different channels. This feature allows you the freedom to change the channel selection, and the receiver relearns the new selection.

PROGRAMMING THE TRANSMITTER.

This light has been pre-programmed at the factory, and it is not necessary to re-program the transmitter, unless you experience outside interference.

1. **IMPORTANT:** Disconnect power by removing fuse or disconnecting vehicle battery.
2. Remove battery cover from remote control.
3. Set the 7 dip switches to a selection of your choice. There are 3 positions on each; positive, negative and neutral. Use a small screwdriver and select a position for each dip switch. *Please note that the orientation of the +/- switch positions may vary among different models of wireless remote controls.
4. Insert both MN21 Duracell batteries with the +/- in the same direction. Be sure batteries have adequate charge.
5. Replace battery cover.
 - a. Depress the on/off button and hold it down. Red LED will light.
 - b. While holding the on/off button down, reinstall the power (replace fuse or connect vehicle battery).
 - c. Keep your finger on the on/off button for 5-6 seconds, and then release. The light should now be programmed.

OPERATION OF GOLIGHT® RADIORAY®

1. Using the remote control, turn on the light by depressing the on/off button.
2. With the 4-way arrows on the remote control, rotate your light to the desired location. Depending upon conditions, the wireless remote may be used up to 100 feet from the RadioRay®.
3. The speed of the light rotation can be controlled by depressing the +/- button one time and by depressing it again to restore the original speed.
4. The spotlight should not be turned on when the snap on lens cover (rockguard) is attached.

BULB REPLACEMENT

The Golight® RadioRay® utilizes a Philips® H-9 bulb, which may be purchased through Golight, Inc. — 308.278.3131 or 800.557.0098.

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 RadioRay® complies with Part. 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This light and remote may not cause harmful interference, and (2) this light and remote must accept any interference received, including interference that may cause undesired operation.

★ FCC RULE Part. 15.21 - Changes or modifications made by the user not expressly approved by Golight, Inc. for compliance could void the user's authority to operate the equipment.