

Golight 2020GT

Golight 2020GT Halogen Searchlight Instruction Manual

Permanent Mount and Hardwired Dash Remote Control

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Golight 2020GT Halogen Searchlight. Designed for permanent mounting and controlled via a hardwired dash remote, this searchlight offers reliable illumination for various applications, including RVs and trucks. Please read this manual thoroughly before installation and use to ensure proper function and safety.

2. SAFETY INFORMATION

- **Electrical Safety:** Ensure the power source is disconnected before performing any installation or maintenance. Incorrect wiring can cause electrical shock or damage to the unit.
- **Voltage Compatibility:** This unit operates on 12 Volts DC. Do not connect to higher voltage systems.
- **Mounting:** Securely mount the searchlight to a stable surface capable of supporting its weight and resisting operational forces.
- **Heat:** Halogen bulbs generate significant heat. Avoid touching the light housing immediately after operation. Ensure adequate ventilation around the unit.
- **Eye Protection:** Do not look directly into the light beam, as it can cause eye damage.
- **Water Resistance:** The unit is IP67 water resistant, meaning it can withstand low-pressure water jets. However, it is not designed for submersion.

3. PACKAGE CONTENTS

Verify that all items are present before beginning installation:

- Golight 2020GT Halogen Searchlight Unit
- Hardwired Dash Mount Remote Control
- Mounting Hardware (screws, washers, nuts)
- Installation Template (if included)
- Wiring Harness

4. PRODUCT OVERVIEW

The Golight 2020GT is a robust halogen searchlight designed for demanding outdoor conditions. It features a durable white plastic housing, a powerful 65-watt halogen bulb, and a remote control for precise directional adjustments.



Figure 1: Golight 2020GT Halogen Searchlight and Hardwired Dash Mount Remote Control. The main searchlight unit is white with a clear lens, and the remote control is a black rectangular unit with two toggle switches.

Key Features:

- **Halogen Light Technology:** Provides a bright, focused beam with 2000 lumens output.
- **Permanent Mount:** Designed for secure, fixed installation.
- **Hardwired Dash Mount Remote Control:** Offers convenient control from within the vehicle.
- **Durable Construction:** White plastic housing with stainless steel shade material for outdoor use.
- **Water Resistant:** IP67 rated for protection against water jets.

5. SETUP AND INSTALLATION

5.1 Mounting the Searchlight

1. **Select Location:** Choose a flat, stable surface on your vehicle (e.g., RV, truck) that can support the searchlight's weight and allow for full range of motion without obstruction.
2. **Prepare Surface:** Clean the mounting surface thoroughly. If using an installation template, position it and mark the drilling points.
3. **Drill Holes:** Carefully drill pilot holes for the mounting screws. Ensure no critical wiring or components are damaged during drilling.
4. **Secure Unit:** Place the searchlight unit over the drilled holes. Use the provided mounting hardware (screws, washers, nuts) to securely fasten the unit to the surface. Ensure a tight, stable fit.

5.2 Wiring the Unit

The Golight 2020GT requires a 12-volt DC power source. It is designed for hardwired installation. Always disconnect the vehicle's battery before beginning any wiring.

1. **Identify Wires:** The wiring harness will typically have a red wire for positive (+) and a black wire for negative (-).

2. **Connect Negative:** Connect the black wire from the searchlight to a suitable ground point on your vehicle's chassis or directly to the negative terminal of the 12V battery.
3. **Connect Positive:** Connect the red wire from the searchlight to a fused 12V positive power source. It is recommended to use an inline fuse appropriate for the 65-watt draw (approximately 5.4 amps at 12V). This connection should ideally be switched, allowing the light to be powered on/off from the vehicle's ignition or a dedicated switch.
4. **Connect Remote Control:** The hardwired dash mount remote control will connect to the searchlight unit via a dedicated cable. Follow the specific wiring diagram provided with your unit for this connection. Ensure all connections are secure and insulated to prevent short circuits.
5. **Test Connection:** Once all wiring is complete, reconnect the vehicle's battery and test the searchlight's functionality.

6. OPERATION

The Golight 2020GT is operated using the hardwired dash mount remote control.

6.1 Remote Control Functions:

- **Power ON/OFF:** Use the designated power switch on the remote to turn the searchlight on or off.
- **Directional Control:** Use the joystick or directional buttons (Up, Down, Left, Right) to aim the searchlight. The unit allows for precise movement to illuminate desired areas.
- **Spotlight Function:** Activates the main halogen beam.
- **Auto Search:** If equipped, this function allows the light to automatically sweep a predefined area. Refer to your remote's specific instructions for activation.
- **Auto-Home Return:** When the unit is powered off, it may automatically return to a default "home" position.

Note: Specific button layouts and advanced features may vary slightly. Refer to the markings on your remote control for exact functionality.

7. MAINTENANCE

7.1 Cleaning:

- Regularly clean the exterior housing and lens with a soft, damp cloth.
- Avoid abrasive cleaners or solvents that could damage the finish or lens.

7.2 Bulb Replacement:

The Golight 2020GT uses a halogen bulb. If the bulb burns out, it can be replaced. Always ensure the unit is powered off and cool before attempting bulb replacement.

1. **Disconnect Power:** Turn off the searchlight and disconnect power to the unit.
2. **Access Bulb:** Carefully open the housing or access panel to expose the halogen bulb.
3. **Remove Old Bulb:** Gently remove the old bulb. Avoid touching the glass of the new bulb with bare hands, as oils can reduce its lifespan. Use a clean cloth or gloves.
4. **Install New Bulb:** Insert the new halogen bulb (GU10 base, 65 watts, 12V) into its socket.
5. **Reassemble:** Securely close the housing or access panel.
6. **Test:** Reconnect power and test the new bulb.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Searchlight does not turn on.	No power, blown fuse, faulty wiring, burnt-out bulb.	Check power connections. Inspect and replace fuse if necessary. Verify wiring integrity. Replace halogen bulb.
Remote control not responding.	Loose connection, remote malfunction.	Check the connection between the remote and the searchlight unit. Ensure power is supplied to the remote. If issues persist, contact support.
Light beam is weak or flickering.	Low voltage, failing bulb, loose connection.	Verify 12V power supply. Replace bulb. Check wiring connections for tightness.
Searchlight does not move or moves erratically.	Motor issue, remote control issue, obstruction.	Check for physical obstructions. Ensure remote is functioning correctly. Contact support if motor appears faulty.

9. SPECIFICATIONS

Brand: Golight
Model: 2020GT
Light Source Type: Halogen
Power Source: Corded Electric
Voltage: 12 Volts DC
Wattage: 65 watts
Brightness: 2000 Lumens
Installation Type: Permanent Mount
Control Method: Remote Control (Hardwired Dash Mount)
Material: Plastic (Housing), Stainless Steel (Shade)
Color: White
Product Dimensions (LxWxH): 8.75" x 7.75" x 7.75"
Item Weight: 4.85 Pounds
Water Resistance Level: IP67 Water Resistant
Bulb Base: GU10

10. WARRANTY INFORMATION

The Golight 2020GT Halogen Searchlight comes with a **Limited Warranty**. For specific details regarding warranty coverage, duration, and claims procedures, please refer to the warranty card included with your product or visit the official Golight website. Keep your proof of purchase for warranty validation.

11. CUSTOMER SUPPORT

If you encounter any issues or have questions regarding your Golight 2020GT searchlight that are not covered in this manual, please contact Golight customer support:

- **Website:** [www.golight.com](#) (Note: This is a placeholder URL, please replace with actual support link if available)
- **Phone:** Refer to the Golight website for current contact numbers.
- **Email:** Refer to the Golight website for current contact email.

When contacting support, please have your product model (2020GT) and purchase information readily available.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question