

SAFETY NOTICE:

- ⦿ This remote control searchlight should be operated only when the vehicle is in stationary position for searching and working purpose, DO NOT operate searchlight while vehicle is moving.
- ⦿ FCC RULE Part 15.21: Any unauthorized changes or modifications may void the user's right to operate this device.
- ⦿ This equipment complies with FCC Part 15 rules. Operation is subject to two conditions: (1) the device must not cause harmful interference, and (2) it must accept any interference received, including that which may cause undesired operation.
- ⦿ This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. 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.
- ⦿ You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.
- ⦿ FCC RF Radiation Exposure Statement:
 1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
 2. For portable operation, this device has been tested and meets FCC RF exposure guidelines. When used with an accessory that contains metal may not ensure compliance with FCC RF exposure guidelines.
- ⦿ This searchlight operates on the 2.4 GHz RF channel and emits radio frequency energy during use.
 1. RF energy can potentially interfere with other electronic equipment.
 2. Electronic devices on vehicles or boats may be susceptible to RF interference.

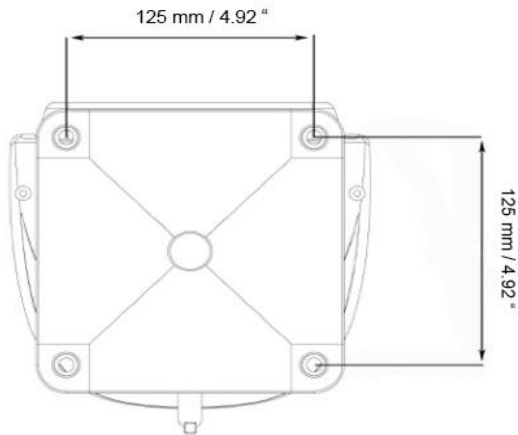
Contents Included in the 225SGN Box:

- 225SGN Searchlight / Mounting Screw Set
- Handheld Wireless Remote Control
- Wired Controller & Cable

INSTALLATION:

Caution:

Do not mount the searchlight upside down to prevent inadvertent entry of moisture



FEATURES:

360° Continuous Rotation &
135° Tilt
Programmable Wireless
Remote Control
UV Ray and Saltwater
Resistant



***Important Notice:**

After any DC power disconnection, use the wired/ wireless controller or handheld remote control to rotate the searchlight a full 360° upon reconnection to reset the home position.

SPECIFICATIONS:

Housing Color: Black / White

Performance: 360° Continuous Rotation / 135° Tilt

LED Module:

Lamp: 10 OSRAM High Power LEDs

Wattage: 50W

Luminous intensity: 609,000 Candelas

Color Temperature: 5,700-6,000K

Beam distance: 5,118 ft (1,560m)

Beam Pattern: Spot

Energy Efficient: 4 Amps (12V) to 2 Amps (24V)

Cast Aluminum Heat Sink & Hardened Polycarbonate Lens

IP 68 LED Module / IP 56 Housing

Radio Frequency: 2.4 GHz

Wireless Remote Operation Distance: 213 ft. (65m)

Power: 12V-24V (Multi-voltage)

Weight: 4.2 lbs / 1.9 Kgs

Approvals: FCC / CE / R10

Working Environment: -30°C (-22°F) to +70°C (+158°F)

OPERATION:

1. The searchlight can be rotated/tilted without LED on when DC power is connected.
2. Press button with light icon to switch on or off LED.
3. Change direction of the light beam by pressing the direction buttons.

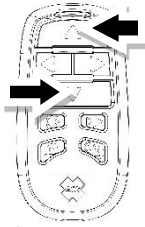


4. Utilize the speed button to switch speed (Fast / slow).
5. Home icon button for returning to home position.
6. 1/2 icon button for switch between 1st searchlight (indicator on top illuminate green), 2nd searchlight (red) and both searchlights (yellow).
(The same for dash mount wired / wireless control)

HANDHELD / DASH MOUNT WIRELESS

REMOTE PROGRAMMING:

1. Turn off DC power or disconnect the battery.
2. Turn power back on, and within 5 seconds, simultaneously press the UP (▲) and DOWN (▼) buttons on the remote.
3. The remote's indicator light will flash green and red during pairing mode.
4. A green light confirms successful pairing. A red light indicates failure; repeat from step 1.
5. You can program up to two remotes. Adding a third will overwrite the first. Repeat these steps to pair an additional remote.



Wireless Remote Battery: 2 x AAA batteries (included)

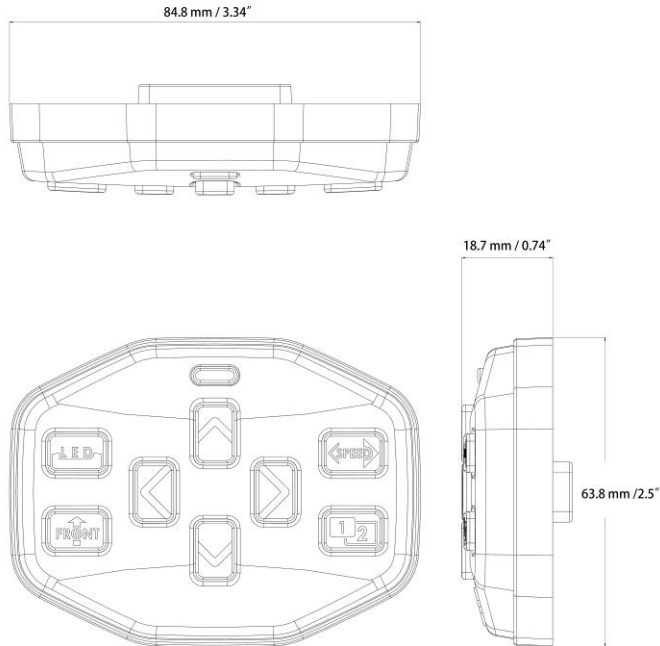
OPTIONAL ACCESSORIES:

- Wireless Dash Mount Remote
- 16.4' (5m) Extension Cable
- Wired Dash Mount Cable for 2 Controllers to 1 Searchlight
- Wired Dash Mount Cable for 2 Controllers to 2 Searchlights
- Wired Dash Mount Cable for 1 or 2 Controllers to 2 Searchlights
- Flood beam, Color Filter (Red/Green/Yellow)
- Magnetic mount shoe (white/black)
- Replacement Mounting Plate for GOLIGHT®

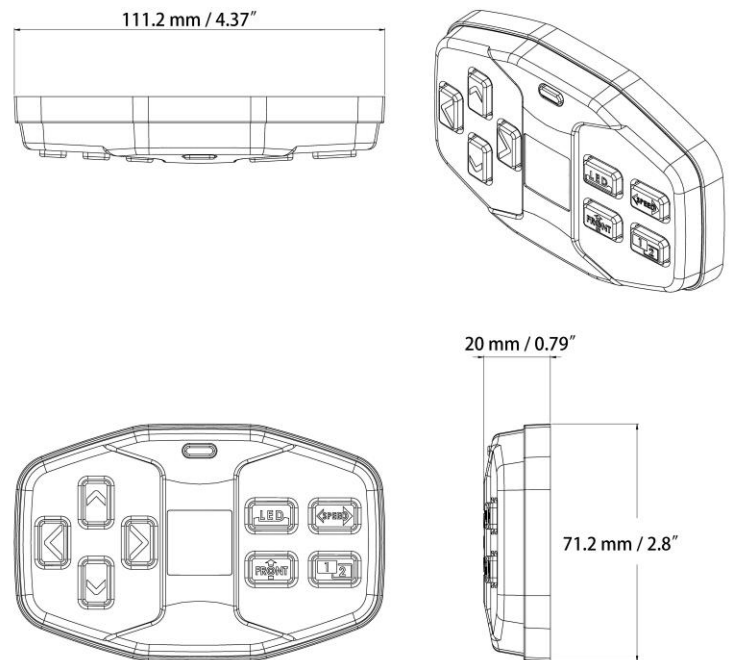
*This retrofit kit can be used when replacing GOLIGHT® Stryker or RadioRay searchlights with the 225SGN Searchlight. Note: This kit will not work for the RadioRay portable version (GOLIGHT is a registered trademark of GOLIGHT, Inc.)

DASH MOUNT WIRED / WIRELESS CONTROL INSTALLATION

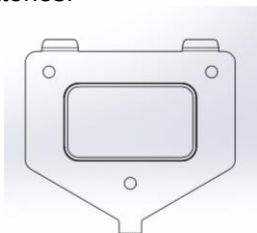
Dash mount wired control



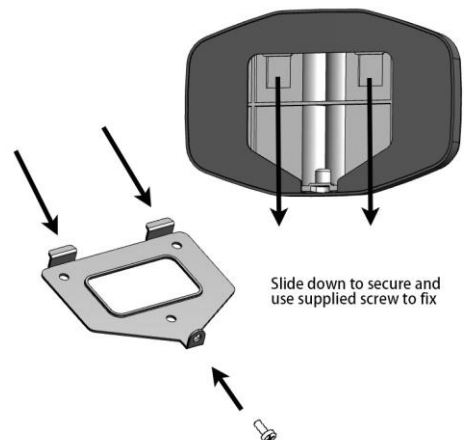
Dash mount wireless remote



Both dash mount wired and wireless control use the exact same dimension stainless steel bracket for mounting, use the supplied screws to fix bracket on a flat surface and cut a hole using the opening on the bracket as template for connector and wire through, there is no need to cut hole for dash mount wireless control as it uses 2 x AAA batteries.

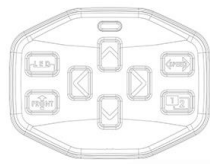


Stainless steel bracket

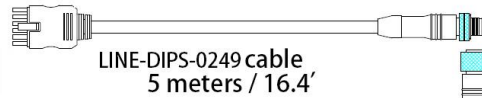


Searchlight Cable Connection Guide:

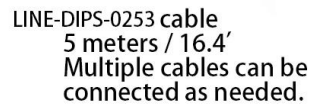
One searchlight with one dash-mounted wired controller



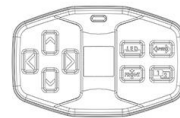
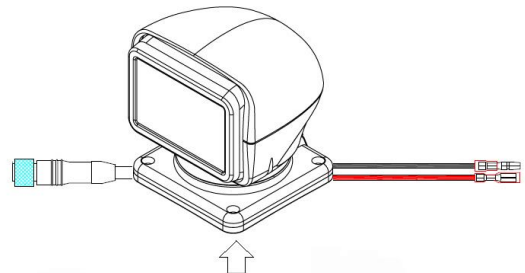
Wired controller



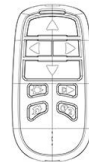
LINE-DIPS-0249 cable
5 meters / 16.4'



LINE-DIPS-0253 cable
5 meters / 16.4'
Multiple cables can be
connected as needed.



Optional Dash mount
wireless remote



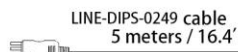
Handheld wireless remote

The 0253 cable is compatible with any connection requiring a male-to-female configuration. Multiple cables can be connected as needed.

Two searchlights with one dash-mounted wired controller



Wired controller



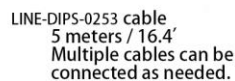
LINE-DIPS-0249 cable
5 meters / 16.4'



LINE-DIPS-0253 cable
5 meters / 16.4'
Multiple cables can be
connected as needed.



LINE-DIPS-0420 cable
20cm / 7.9'



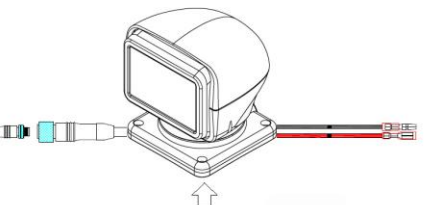
LINE-DIPS-0253 cable
5 meters / 16.4'
Multiple cables can be
connected as needed.



LINE-DIPS-0359 cable
40cm / 15.7'



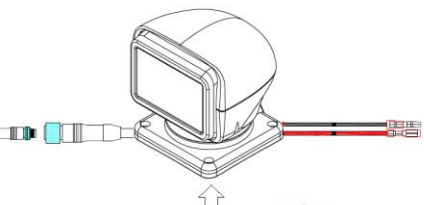
LINE-DIPS-0359 cable
40cm / 15.7'



Optional Dash mount
wireless remote



Handheld wireless remote



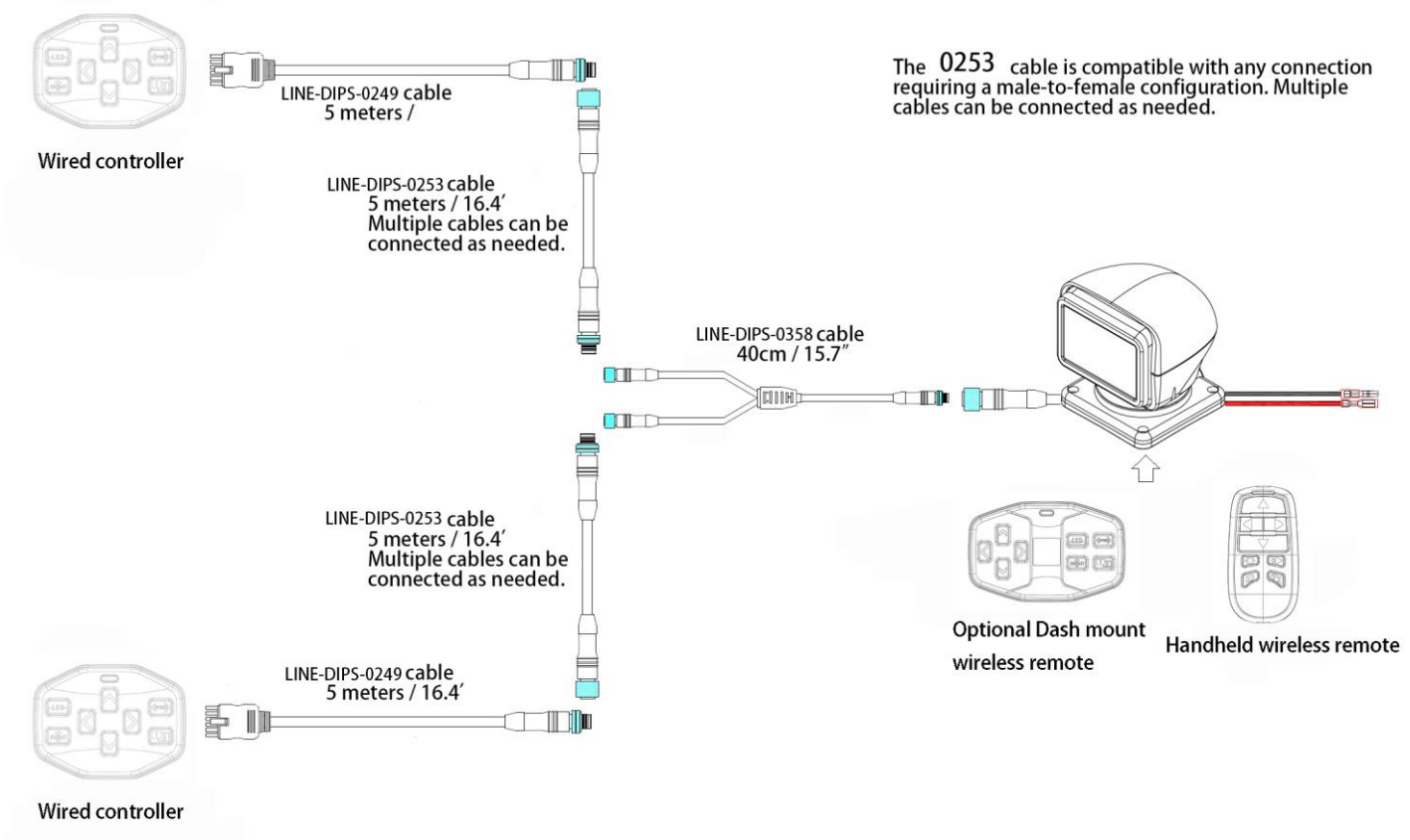
Optional Dash mount
wireless remote



Handheld wireless remote

The 0253 cable is compatible with any connection requiring a male-to-female configuration. Multiple cables can be connected as needed.

One searchlight with two dash-mounted wired controllers



Two searchlights with two dash-mounted wired controllers

