

Greatland Laser™

safety and rescue products

Brave Any Adventure

User Guide

Rescue Laser Flare® Magnum signaling device

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Magnum signaling device

greatlandlaser

SKU: RLFAA024-01

Expanding line of light makes it easy to signal and produces a safe, and brilliant flash of light



Our compact, hand-held signal device can be seen up to 20 miles 8 Miles 16 Miles

Our hand-held models, the size of a small, single-cell flashlight, project laser light through a special lens that can be seen up to 20 miles.

Patented technology converts a point of laser light into an expanding line of light with much higher visibility than traditional signaling devices.

Product Specifications:

- Visibility: 20 miles (32 km) nighttime, optimum conditions
- Daytime signaling up to 1-3 miles (1.6-4.8 km)
- Waterproof: to 80 feet (24 m)
- Laser Diode: Red - 10,000 hours meantime life
- Laser Class: 3R < 5mW
- Operating temperature: -10° C ~ +50° C
- Operational Life: Approximately 72 hours before changing batteries
- Battery: Two 1.5-volt AA
- Non-flammable, environmentally friendly
- Hole in end cap for attachment to a lanyard or key ring
- Compact and lightweight, only 5.7" long and 4.8 oz.
- Rugged anodized aluminum, corrosion resistant
- Limited Lifetime Warranty - see website for details



Federal Law allows an EXCEPTION
for laser emergency signaling devices



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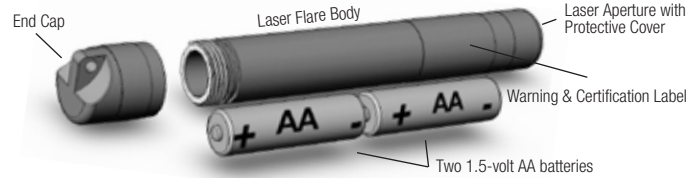
Willow, Alaska 99688
Toll-Free: 866.889.3425

rescue laser™

emergency signaling devices

Rescue Laser Flare®

Magnum signaling device

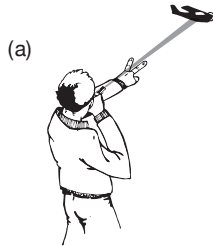


Assembly and Operation

1. To assemble, unscrew end cap. Insert two 1.5-volt AA batteries and then screw on end cap.
2. Point the light output end (laser aperture) down for safety and continue tightening end cap until laser flare is switched on (visible through protective front cap). Remove protective plastic cap on front end of unit. Turn sight ring until it is aligned with vertical laser line. Your Rescue Laser™ is ready for use.
3. Ensure Rescue Laser™ emergency signaling device is secured so it cannot be lost. Use the hole in the end cap to secure with a tether or lanyard.
4. To turn Rescue Laser™ off, point the light output end (laser aperture) down for safety and twist then unscrew back end cap until the laser is off, plus one more turn. Replace protective cap to keep lens clean.

Signaling (a)*

Aim Rescue Laser™ emergency signaling device in the direction of the target (aircraft, boat, vehicle, rescue party) you wish to signal. With the laser line vertical (up and down), point laser aperture toward the target. Make a “V” with your outstretched hand over the intended target. With the signaling device held near your eye in line of sight, very slowly scan the vertical laser back and forth between your fingers toward the target making each finger red as you scan and line up target through the sight ring.



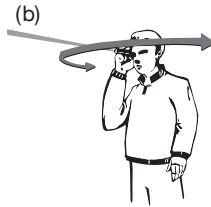
Important: Always point the laser output end away from your eyes.

Keep signaling until you have positive contact with your rescuers or target and they are able to see you without the use of the signaling device.

*Signals up to 20 miles away. Testing conducted with the naked eye, on a clear moonless night with no background or environmental lighting. The effectiveness of any signaling device may be compromised by actual environmental conditions.

Detecting (b)

When looking for reflective materials, point the laser aperture toward the object you are scanning and hold the laser near your line of sight to see the return flash from the object.



Safety Summary

Caution: use of controls or adjustments, or performance of procedures other than those specified herein may result in hazardous radiation exposure.

This laser process machine is certified as a Class IIIa laser product to the requirements of the US Federal product performance standard for laser products contained in the regulations in 21 CFR sub-chapter J.

This device should only be used to signal persons at a distance greater than 13 feet (4 meters).

During the performance of routine maintenance procedures such as cleaning the exterior or changing batteries the power should be turned to the off position.

Under no circumstance shall attempts be made to disassemble or service this product. All service is to be performed by the manufacturer or their authorized agent.

AVOID DIRECT EYE EXPOSURE TO THE BEAM

Battery Replacement and Maintenance

Battery replacement and exterior cleaning are the only maintenance required. There are no user serviceable components inside the device. Attempting to gain access to the laser components will void the warranty. Turn laser off before changing batteries or cleaning. The Rescue Laser Flare® Magnum operates on two 1.5-volt alkaline AA batteries. To replace the batteries, turn laser off, unscrew end cap and remove batteries. Insert two fresh batteries as shown in the diagram above with the positive (+) end facing toward the end cap, then screw on end cap. Tighten end cap until laser light is switched on (visible through protective front plastic cap), then unscrew until light is off, plus one more turn. For optimum performance, the batteries in your Rescue Laser™ should be replaced at least once every year.

Lens may be cleaned with a soft dry cloth or camera lens brush. Do not use cleaning fluids. Exterior may be wiped with a damp cloth to remove surface dirt, then dried.

Troubleshooting

1. Rescue Laser™ emergency signaling device does not turn on or stay on, verify battery has been inserted with the positive end facing outward as shown in diagram above. Check contact between the battery and the end cap. Any corrosion formed by a foreign substance should be carefully removed.
2. Laser light failure — verify two fresh 1.5-volt AA batteries have been properly inserted with the positive end facing outward as shown in the diagram above, if necessary, replace batteries.
3. If the above steps have been followed and the Rescue Laser™ emergency signaling device still does not perform properly, follow the steps in the how and when to make a warranty claim, or contact our warranty and repair facility: 1. 907.245.4475. Limited Lifetime Warranty and online registration available at www.greatlandlaser.com



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