



LASER GENETICS®

ND-3P ND-3AR

SUBZERO®



Operates in
Temperatures
down to

0°
OF

Owner's Manual
Model ND-3P/ND-3AR

Congratulations on purchasing the ultimate personal defense adjustable laser beam light. Laser Genetics is the first green laser light with an Optical Beam Collimator which allows beam diameter adjustment and the only consumer DPSS green laser that can operate in cold temperatures. Designed with a quick release picatinny (5/8") rail mount these units can be used on pistols, assault rifles, and assault shotguns.

Figure 1:

Momentary Pressure switch



Carry pouch with belt loop

Lens Cover

CR123A Battery



Components of the kit

- | | |
|---|--------------------------------|
| (1) ND-3P™/ND-3AR™
SUBZERO° Laser Designator | (1) Carry pouch with belt loop |
| (1) Cleaning Kit | (1) Momentary Pressure switch |
| (1) Lens Cover | (1) CR123A Battery |

Contact Us

Feel free to contact us at 888-872-4266 with any questions you may have regarding the use of the ND-3P™/ND-3AR™ SUBZERO°.

We also encourage you to visit us online at <http://www.lasergenetics.com>. Here you can register your product, find valuable information, and share your experience with the Laser Genetics ND-3P™/ND-3AR™ SUBZERO°.

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1. Laser Designator Technical & Safety Information

User Safety Precautions

The Laser Genetics ND-3P™/ND-3AR™ SUBZERO° is not a toy! It should be used responsibly, and only by adults.

⚠️ WARNING Potential Eye Injury & Interference with Critical Activities

⚠️ WARNING **Laser Safety Hazard Warning**

This laser designator emits laser light. Laser light is very bright and can potentially cause injury to the eyes if not used correctly. Read all operation and safety information prior to use. **NEVER LOOK INTO LASER OR AT BRIGHT REFLECTIONS.**

⚠️ WARNING **NEVER** aim laser designator or its reflection at an aircraft at any distance! This is very dangerous and a serious federal offence, which is aggressively investigated and prosecuted with penalties of large fines and/or imprisonment! Illumination of aircraft, vehicles, etc. is **DANGEROUS!** Do not do it.

LASER LIGHT
DO NOT STARE INTO BEAM OR VIEW DIRECTLY WITH
OPTICAL INSTRUMENTS (BINOCULARS OR TELESCOPES)
CLASS 2M LASER PRODUCT

WARNING

- Light from laser designator is very bright! **DO NOT** aim laser at people or vehicles!
- **NEVER** look into the output of the laser designator!
- Viewing the laser light or a bright reflection can cause potential eye injury!
- **DO NOT** allow children to operate laser designator without instruction and close adult supervision.
- Reflections from flat shiny mirror like surfaces can be as hazardous as the beam itself.
- Eye injury is theoretically possible if the laser designator's source is aimed at people using telescopes, rifle scopes, spotting scopes, binoculars, cameras or any other optical light gathering instruments.
- **NEVER** aim laser designator near individuals who may interpret your actions as an emergency distress call, unless it is an actual emergency.
- **DO NOT** remove or damage any safety labels which are present on laser designator.
- **DO NOT** attempt to disassemble the laser designator; this can lead to hazardous exposure.
- **DO NOT** attempt any repair or modification, return to factory for all service.
- **DO NOT** use if lens is cracked or broken.
- No maintenance or service is allowed by the customer.

Due to the laser beams low divergence it makes a small bright spot at very long distances. Aiming a laser at aircraft, watercraft, vehicles, law enforcement officials or other situations where vision and situational awareness are critical, can cause disruptions of safe operation of these craft, cause dangerous situations, and could be a criminal offense.

The laser's power is quite low, and generally presents a hazard no greater than that of the laser used in a grocery store check-out scanner. The safety rating for both this laser product and grocery store scanners is laser safety "Class 2M". The US and international safety standards

(IEC 60825-1) under which this product is designed and tested, indicates that Class 2M laser products are safe under the following circumstances:

- 1.) If the laser flashes across your eyes, allow yourself to blink and look away. The normal 'blink reflex' is quick enough to prevent a hazardous eye exposure. Never stare into the laser beam or reflection.

- 2.) DO NOT look directly into laser beam with optical instruments. Binoculars, telescopes etc. collect more light than your bare eye if they look directly into the beam or a bright reflection.

This Class of laser will not cause skin burns, nor start fires. The only potential hazard is only to the eyes if instructions for use are not followed.

2) Laser Emission Data & Specifications

Laser Type:	Frequency Doubled Diode Pumped Solid State (DPSS)
Wavelength:	532nm (lime green)
Power for classification:	<1mW
Total emitted power:	<15mW
Emission:	Continuous wave
Divergence:	adjustable, <1mrad worst case
Mode:	TEM00
Range (in darkness):	>1 mile

Switch:	Push Button or Momentary Pressure Switch
Batteries:	One CR-123A (included)
Battery Life:	Up to 7 hours of continuous use Up to 3 hours of continuous use at 0°F
Dimensions:	3.5" long x 2.6" height x 1.4 wide.
Weight:	6.4 oz. (181.4 grams)

This is a Class 2M laser product as classified per
IEC 60825-1 Ed. 2.0, 2007-03



Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

 LASER APERTURE	LASER RADIATION - DO NOT STARE INTO THE BEAM OR VIEW DIRECTLY WITH OPTICAL INSTRUMENTS CLASS 2M LASER PRODUCT <15mW 532nm CW Certified to IEC 60825-1 Ed 2, 2007-03	
	Complies with FDA performance standards for laser products except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007 Model No: LG-ND3P-SZ Serial No: Mfg Date:	

 LASER APERTURE	LASER RADIATION - DO NOT STARE INTO THE BEAM OR VIEW DIRECTLY WITH OPTICAL INSTRUMENTS CLASS 2M LASER PRODUCT <15mW 532nm CW Certified to IEC 60825-1 Ed 2, 2007-03	
	Complies with FDA performance standards for laser products except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007 Model No: LG-ND3AR-SZ Serial No: Mfg Date:	

3) PRODUCT USE

a) Activation

Activate laser by pressing the push button for continuous use or depress the momentary pressure switch for on demand use.



Figure 2:

CAUTION THIS LASER DESIGNATOR IS A POWERFUL DEVICE THAT REQUIRES SPECIAL ATTENTION FOR ITS USE. READ THE FOLLOWING INSTRUCTIONS AND SAFETY PRECAUTIONS CAREFULLY BEFORE USE.

CAUTION USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

LASER LIGHT - AVOID DIRECT EYE EXPOSURE TO THE LASER BEAM.

KEEP OUT OF REACH OF CHILDREN.

b) Replacing and Installing ND-3P/AR Subzero Battery

Remove the battery cap located on the front of the unit directly below the output lens by turning it counter-clockwise. Place one CR123A battery inside, with the (+) end facing out. Replace the cap by rotating it clockwise until tight. The ND-3P/AR is now ready for use.

c) Beam Adjustment

The housing surrounding the output lens is the beam adjustment. Rotate clockwise to reduce beam diameter and counter clockwise to increase beam diameter.

d) Windage and Elevation Adjustments

“The ND-3P/AR is equipped with windage and elevation adjustments to zero the beam. On the right side of the device toward the rear is the windage adjustment. Rotate clockwise for movement to the right. In the rear above the on/off switch is the elevation adjustment. Rotate clockwise to lower the elevation adjustment.”



Windage



Elevation



DO NOT LOOK DIRECTLY INTO THE LASER BEAM OUTPUT APERTURE DURING OPERATION. PERMANENT EYE DAMAGE MAY RESULT.



EXERCISE SAFE GUN HANDLING. SHOOT ONLY AT AN APPROVED GUN RANGE OR SUITABLE LOCATION. USE EYE AND EAR PROTECTION AS NECESSARY.

4) MAINTAINING YOUR LASER GENETICS

ND-3P™/ND-3AR™ SUBZERO°

DO NOT attempt to disassemble or clean the laser designator internally. This will invalidate the warranty. If the laser designator requires repair or adjustment, see warranty card for return information.

The external surfaces should occasionally be wiped clean with the lens cloth provided, a soft lint-free cloth, or an optical quality lens paper. Remove any external dirt or sand with a soft brush so as to avoid scratching the finish. Wipe the laser designator with a damp cloth, following with a dry cloth. Store the unit in a moisture-free environment.

DO NOT open, modify; or service this product, except for changing the battery.

For any service or repair, the product must be returned to Laser Genetics®. Please follow guidelines below.

No maintenance required for this product to keep in compliance.

FOR RETURNING PRODUCTS

Return products following the warranty guidelines.

For Customer Service please contact us at 888-872-4266.

A brief description is included below.

1. Remove any accessories and rings
2. Include a note with a brief description of the problem, address, telephone number, and email address
3. A \$10 check for return shipping and processing fees and proof of purchase.
4. We recommend using a shipping method with a tracking number (Fedex, UPS, etc.).

Gamo Outdoor USA cannot be held liable for lost or damaged items.

*Please note if your product is not registered you must have proof of original purchase, or you will be subject to repair fees. (see warranty)

Ship Products To:

Gamo Outdoor USA
1475 S. Sam Houston Blvd.
Houston, MO 65483



L A S E R G E N E T I C S ®



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