

**WARNING:**

LTAD-RN IS A CLASSES 3R LASER PRODUCT, OUTPUT 0.5-10 MW, WAVELENGTH 635 NM  
LTAD-GN IS A CLASSES 3R LASER PRODUCT, OUTPUT <3 MW, WAVELENGTH 532 NM

**DANGER:**

LASER RADIATION - AVOID DIRECT EYE EXPOSURE, CLASS 3R LASER PRODUCT

**CAUTION:**

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

# VISIBLE LASER SIGHTS ATN LTAD-RN

RED NEEDLE

# ATN LTAD-GN

GREEN NEEDLE

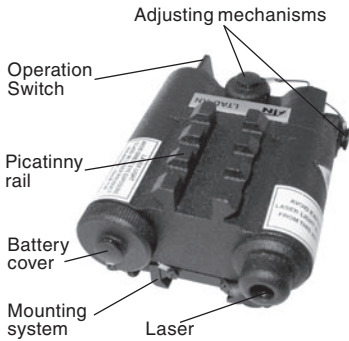


## *User Manual / User Information*

**Important Export Restrictions!** Commodities, products, technologies and services contained in this manual are subject to one or more of the export control laws and regulations of the U.S. Government and they fall under the control jurisdiction of either the US Department of State or the US BIS-Department of Commerce. It is unlawful and strictly prohibited to export, or attempt to export or otherwise transfer or sell any hardware or technical data or furnish any service to any foreign person, whether abroad or in the United States, for which a license or written approval of the U.S. Government is required, without first obtaining the required license or written approval from the Department of the U.S. Government having jurisdiction. Diversion contrary to U.S. law is prohibited.



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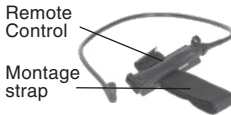


ATN Corp.  www.atncorp.com  
 20 S. Linden Ave., Unit 1B, South San Francisco, CA 94080, 800-910-2862  
**LTAD-RN**  
 S/N: \_\_\_\_\_ Mfr. Date: \_\_\_\_\_  
 Complies with FDA performance standards for laser products except for deviations pursuant to Laser Notice No. 50, dated July 26, 2001

LASER LIGHT  
 AVOID DIRECT EYE EXPOSURE  
 CLASS 3R LASER PRODUCT  
 635-670nm, <5mW CW  
 CLASSIFIED PER IEC 60825-1,  
 Ed 1.2, 2001-08

ATN Corp.  www.atncorp.com  
 20 S. Linden Ave., Unit 1B, South San Francisco, CA 94080, 800-910-2862  
**LTAD-GN**  
 S/N: \_\_\_\_\_ Mfr. Date: \_\_\_\_\_  
 Complies with FDA performance standards for laser products except for deviations pursuant to Laser Notice No. 50, dated July 26, 2001

LASER LIGHT  
 AVOID DIRECT EYE EXPOSURE  
 CLASS 3R LASER PRODUCT  
 532nm, <5mW CW  
 CLASSIFIED PER IEC 60825-1,  
 Ed 1.2, 2001-08



AVOID EXPOSURE  
 LASER LIGHT IS EMITTED  
 FROM THIS APERTURE

## SPECIFICATIONS

This Laser Product is designated as Class 3R during all procedures of operation:

### Laser Specifications

Operation Accessible Radiation Fields:

	LTAD-RN	LTAD-GN
Wavelength	635 nM	532 nM
Laser Power for classification	<5 mW	<3 mW
Beam Diameter	<5mm at aperture	
Divergence	<1.5mrad	
Transverse Beam Mode TEM00		
<b>Unit Specifications</b>		
Battery Type	CR 123, 3 V	
Battery Life, min	20 hours	10 hours
Weapon mount adaptor	"Picatinny rail" MIL STD 1913	
Temperature:		
- Operating	-40°C to +60°C	
- Storage	-50°C to +70°C	
Water Proof	20 m Submersion for 2 hours	
Size	94 x 65 x 42 mm	100 x 65 x 42 mm
Weight, up to	190 g	250 g

\* ATN reserves the right to change the above specifications at any time without notice

## APPLICATION

ATN LTAD-RN and ATN LTAD-GN Laser Target Acquisition Devices are the weapon mountable systems that is intended for aiming a target.

The devices are the optic-mechanical laser devices, which forms a spot of visible (red or green) laser beam on a target. Devices can be used with night vision devices.

Source of radiation is the semi-conductor laser diode, which radiation is potentially dangerous to eyes. ATN LTAD-RN and ATN LTAD-GN are a class 3R laser device by eye safe criteria of TB-MED 524.

The device has a mount for a weapon, equipped with a mounting system, such as "Picatinny rail" MIL STD 1913.

## BATTERY ASSEMBLY

TCR-123's battery negative pole is allocated on the back and positive pole on the front. **Danger:** NEVER use any other type of battery other than CR-123. Do NOT use rechargeable batteries.



The information in this manual furnished for information use only, is subject to change without notice, is not to be construed as a commitment by ATN Corp.

ATN Corp. assumes no responsibility or liability for any errors or inaccuracies that may appear in this book.

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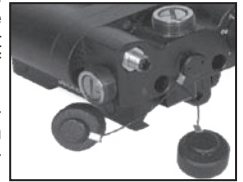
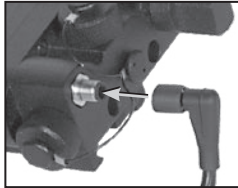
## MOUNTING

Slightly loosen the fixing screws on the built in a mounting system of the device.

Place the device on the dovetail mount of a fire arm, making sure that the mount aligns with the receptor attachment of the screw grooves and tighten the fixing screws.

### Remote Control:

Attach the Remote Control cable to connector on the body of device. Place the Remote Control on the weapon, suiting your shooting style best and grip. Fix the Remote Control in this position with a montage strap.



5. Take aim again using the exact same sight picture as in step #4. Turn on the laser sight and you will see the difference in distance between the laser dot and the real point of impact.

The device has Windage and Elevation adjustments for horizontal and vertical zeroing. The beam of laser moves upward and leftward on the aim if mechanisms rotate clockwise, and moves downward and rightward if mechanisms rotate anticlockwise. These mechanisms have protective covers

Make a correction by rotating the adjustment mechanisms of device. Each step of rotation of adjustment mechanism moves the beam of device on the 5cm at 100m distance.

6. Now use the laser sight to aim at the target and shoot another group of 5 rounds. If the red

## OPERATING

To turn the device on, rotate the Operation Switch from the OFF position to the desired operation mode.

Operation Switch has following positions/modes:

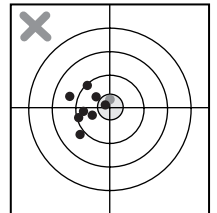
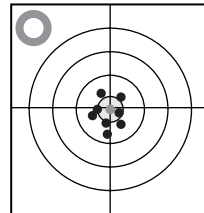
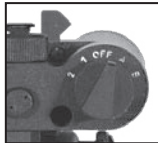
**OFF** - the device is off;

**A** - the device is on with output power - 3 mW(LTAD-RN); 3 mW(LTAD-GN);

**B** - ONLY LTAD-RN - the device is on with output power - <5 mW;

**1** - the device can be used with the Remote Control in mode position with output power - 3 mW(LTAD-RN); 3 mW(LTAD-GN);

**2** - ONLY LTAD-RN - the device can be used with the Remote Control in mode position with output power - <5 mW.



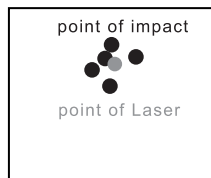
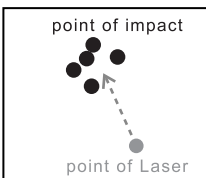
point of laser is near of points of impact, then the zero adjustment is accomplished.

## WARNING / CAUTION

- NEVER point the laser directly at an eye. This action may cause damage to the eye or even blindness.
- When zeroing the laser follow all standard firearms safety precautions.
- If used on different weapons then zero adjustment may be required again.
- The Laser sight has an anti-shock design, but a serious blow to the Laser, RIS or Rail may require re-zeroing.
- Warning! User is not to modify the unit or remove protective covers or housings.
- Service is only to be handled by authorized factory trained technicians. No user serviceable parts.
- Do not point laser or allow laser light to be directed or reflected toward other people or reflective objects.
- The potential hazard of eye exposure to laser radiation if the included instructions are not followed
- The laser is never to be operated if the unit is defective or the cover or seal is damaged.

## ZERO ADJUSTMENT

1. Fix the laser sight to a rail system on a weapon.
2. Place the weapon in a vise or shooting bench.
3. Place a target about 25 meters away.
4. The next step assumes that your weapon's



iron sites or other sighting system is correctly zeroed for the 25 meters. If not then with the Laser turned off. Fire 5 rounds at the target to see the point of impact grouping. If necessary adjust your sites to this point of impact.

## MAINTENANCE

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**Warning: The Laser sights are not to be opened or modified by the customer, etc, except for battery change.**

- There is no scheduled maintenance necessary to keep the product in compliance.

This applies to things like replacement of emission indicators should they burn out, etc.

## 2 YEARS PRODUCT WARRANTY

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This product is guaranteed to be free from manufacturing defects in material and workmanship under normal use for a period of 2 (two) years from the date of purchase. In the event a defect that is covered by the foregoing warranty occurs during the applicable period stated above, ATN, at its option, will either repair or replace the product, and such action on the part of ATN shall be the full extent of ATN's liability, and the Customer's sole and exclusive remedy. This warranty does not cover a product (a) used in other than its normal and customary manner; (b) subjected to misuse; (c) subjected to alterations, modifications or repairs by the Customer or by any party other than ATN without prior written consent of ATN; (d) special order or "close-out" merchandise or merchandise sold "as-is" by either ATN or the ATN dealer; or (e) merchandise that has been discontinued by the manufacturer and either parts or replacement units are not available due to reasons beyond the control of ATN. ATN shall not be responsible for any defects or damage that in ATN's opinion is a result from the mishandling, abuse, misuse, improper storage or improper operation, including use in conjunction with equipment which is electrically or mechanically incompatible with or of inferior quality to the product, as well as failure to maintain the environmental conditions specified by the manufacturer. This warranty is extended only to the original purchaser. Any breach of this warranty shall be waived unless the customer notifies ATN at the address noted below within the applicable warranty period.

The customer understands and agrees that except for the foregoing warranty, no other warranties written or oral, statutory, expressed or implied, including any implied warranty of merchantability or fitness for a particular purpose, shall apply to the product. All such implied warranties are hereby and expressly disclaimed.

### LIMITATION OF LIABILITY

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ATN will not be liable for any claims, actions, suits, proceedings, costs, expenses, damages or liabilities arising out of the use of this product. Operation and use of the product are the sole responsibility of the Customer. ATN's sole undertaking is limited to providing the products and services outlined herein in accordance with the terms and conditions of this Agreement. The provision of products sold and services performed by ATN to the Customer shall not be interpreted, construed or regarded, either expressly or implied, as be-

- Do not disassemble the device.
- Check the solidity of the mounting of devices.
- Tighten the fixing screws if needed.
- Always turn the device off, when device is not in use.
- Remove the battery before storage for a long time.
- Clean the device with flannel serviette. Do not use solvents, petrol etc.

ing for the benefit of or creating any obligation toward any third party of legal entity outside ATN and the Customer; ATN's obligations under this Agreement extend solely to the Customer. **ATN's liability hereunder for damages, regardless of the form or action, shall not exceed the fees or other charges paid to ATN by the customer or customer's dealer. ATN shall not, in any event, be liable for special, indirect, incidental or consequential damages, including, but not limited to, lost income, lost revenue or lost profit, whether such damages were foreseeable or not at the time of purchase, and whether or not such damages arise out of a breach of warranty, a breach of agreement, negligence, strict liability or any other theory of liability.**

### PRODUCT WARRANTY REGISTRATION

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In order to validate the warranty on your product, ATN must receive a completed Product Warranty Registration Card for each unit or complete warranty registration on our website at [www.atncorp.com](http://www.atncorp.com). Please complete the included form and immediately mail it to our Service Center: ATN Corporation, 1341 San Mateo Avenue, South San Francisco, CA 94080.

### OBTAINING WARRANTY SERVICE

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To obtain warranty service on your unit, please contact our Customer Service department and request an RMA number. Once you have received your RMA # please mark this # on the outside of the shipping box and take or send the product, postage paid, with a copy of your sales receipt to our service center, ATN Corporation at the address noted above. All merchandise must be fully insured with the correct postage; ATN will not be responsible for improper postage or missing or damaged merchandise during shipment. Packages that do not have an RMA # clearly marked on the outside of the package will be delayed in being processed.

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For customer service and technical support, please contact  
American Technologies Network Corp.  
**North American Office**  
1341 San Mateo Avenue,  
South San Francisco, CA 94080  
phone: 800-910-2862, 650-989-5100;  
fax: 650-875-0129  
[www.atncorp.com](http://www.atncorp.com)