

IMPORTANT WARNINGS

FAILURE TO READ AND FOLLOW THESE OPERATING INSTRUCTIONS AND WARNINGS WHEN HANDLING A FIREARM OR THE TLR CAN BE DANGEROUS AND CAN RESULT IN SERIOUS INJURY, DAMAGE TO PROPERTY, OR DEATH.

- Use of a firearm under any circumstance may be dangerous. **SERIOUS INJURY OR EVEN DEATH** may result without proper training in the safe handling of firearms. Proper training should be obtained from an accredited firearms safety program conducted by competent, qualified instructors in the military, police academies or National Rifle Association affiliated instruction programs.
- Read your firearm's manual before attaching your gun mounted light.
- Never point a firearm at something you are not willing to destroy.
- Streamlight recommends that the TLR should only be activated with the non-trigger hand while employing a two-hand grip on the firearm and with the trigger finger outside the trigger guard when possible. Failure to do so could result in an accidental discharge and serious injury, damage to property, or death.
- Thoroughly practice (employing safe training conditions) with the TLR and firearm before using the weapon in a tactical situation.

BEFORE ATTACHING, INSPECTING, OR SERVICING A FIREARM-MOUNTED TLR

1. Engage the safety on the firearm if applicable.
2. Remove the magazine from the firearm if applicable.
3. Open the action and inspect the chamber to be sure it is empty.

IT IS IMPERATIVE THAT SAFETY MEASURES BE EMPLOYED AT ALL TIMES WHILE HANDLING THE FIREARM.

BATTERIES

WARNING: FIRE, EXPLOSION, BURN HAZARD

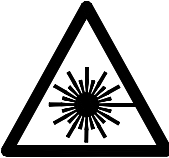
USE ONLY: Streamlight, Panasonic, or Sanyo size CR123A; Duracell 123A, or Energizer 123. Use of other batteries or mixing of used and new or different brand batteries may result in leakage, fire or explosion and serious personal injury. **DO NOT** recharge, misuse, short circuit, improperly store or discard, disassemble, or heat above 212°F (100°C). Keep away from children.

USE ONLY THOSE BATTERIES SPECIFICALLY RECOMMENDED FOR USE IN THIS PRODUCT.

LED (TLR-1&2)

Caution - LED Radiation
Do Not Stare Into Beam
Class 2 LED Product: White
Max. Output < 60 mW
Per IEC 60825-1 Ed 1.2 2001-08

LASER/LED (TLR-2)

AVOID EXPOSURE; LASER RADIATION	▲	IS EMITTED FROM THIS APERTURE.
	CAUTION - LASER/LED RADIATION AVOID DIRECT EYE EXPOSURE CLASS 2 LED; WHITE CLASS 3R LASER PRODUCT MAX. OUTPUT: <5 mW WAVELENGTH: 650 - 660 nm	
COMPLIES WITH 21 CFR 1040.10 AND 1040.11 AS AMENDED BY LASER NOTICE 50., 26JULY01.		
LASER/LIGHT	LIGHT	LASER

Battery Installation/Removal

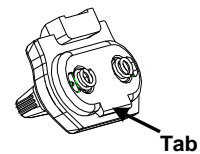
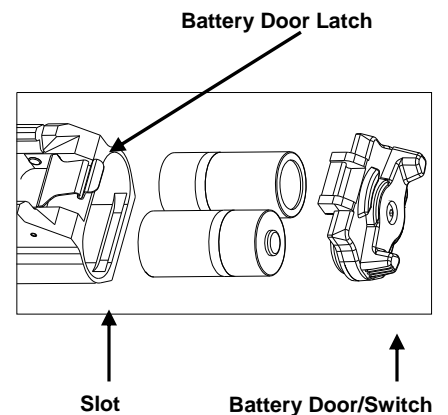
THE TLR MUST BE REMOVED FROM THE FIREARM BEFORE THE BATTERY COMPARTMENT CAN BE OPENED OR CLOSED.

Opening :

Hold the light firmly with one hand and insert a coin or flat blade screwdriver into the space between the switch/battery door latch and the switch paddle stop. A slight twist will disengage the switch/battery door latch.



- Slide exhausted batteries from the flashlight.
- Insert the new batteries observing polarity.
Note: The flashlight is polarity protected and will not light if the batteries are inserted incorrectly.
- Hold the battery switch/door at an angle and place the small tab on the bottom of the battery/door switch into the slot in the flashlight body.



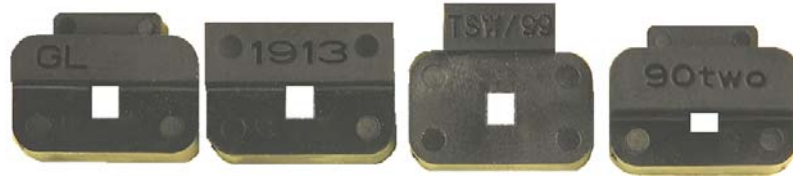
Closing:

Press the tabs of the switch paddle against a firm surface to compress the gasket. Use a thumb to push downward and outward (toward the switch). The latch will snap into place.

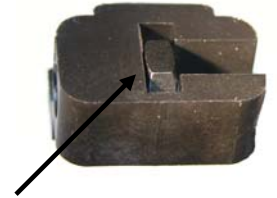


Rail Keys

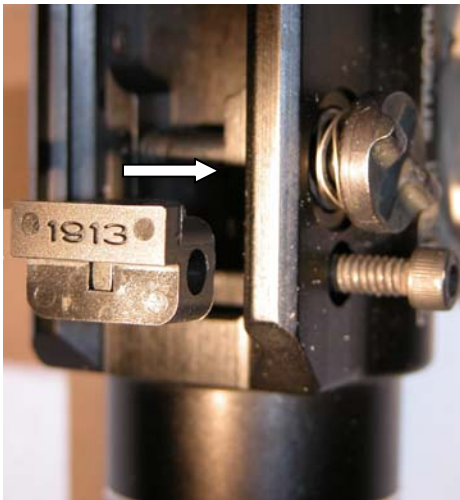
Four polymer rail keys (included) allow the TLR to be attached to a variety of firearms: GL -Glock or "universal" rails; 1913 – Mil Std-1913 (Picatinny); SW - TSW & 99, and Beretta - 90two.



Each rail key is stamped for easy identification and the keys share a common key screw and hex nut. Each key has a hex nut cavity in the base.



Hex Nut Cavity

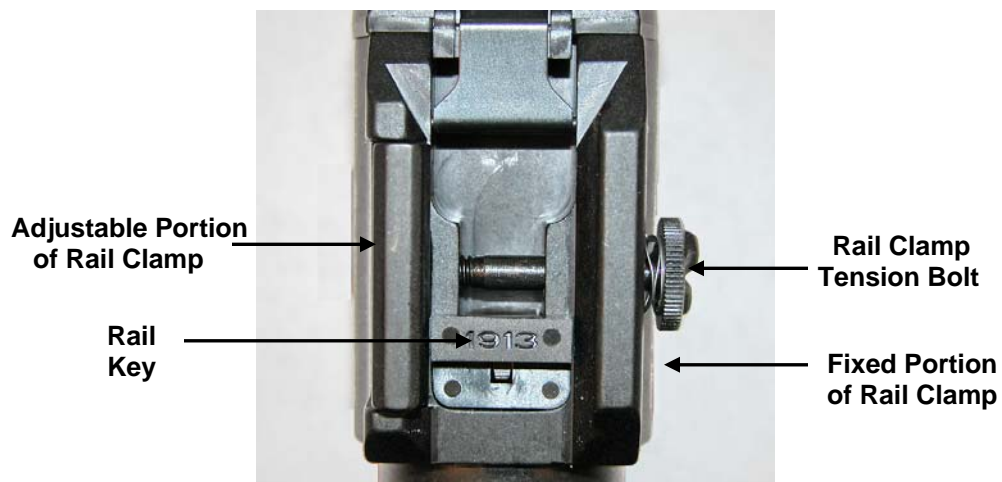


1. Select the appropriate key and insert a hex nut into the cavity in the base of the key.
Note: Adjust the hex nut so no portion protrudes from the key.
2. Hold the rail key (hex nut side up) and the TLR (key pocket side down) and align the two.
3. Insert the key into the TLR key pocket and use a 7/64" hex wrench to secure it with the key screw.

NOTE: A key MUST be used or the TLR will slide off the front of the rail under recoil.

Mounting/Removal Procedure

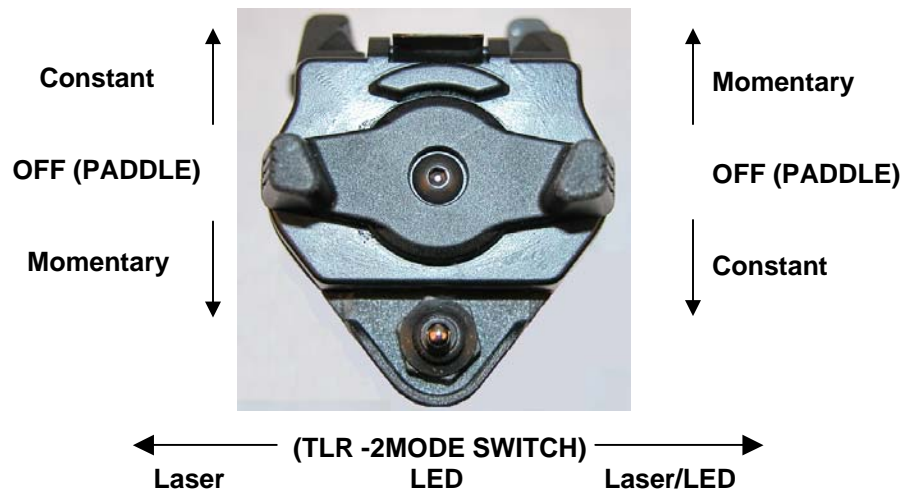
MAKE SURE THAT THE FIREARM IS UNLOADED AND THE BREECH IS OPEN. IT IS IMPERATIVE THAT SAFETY MEASURES BE EMPLOYED AT ALL TIMES WHILE HANDLING THE FIREARM.



1. The TLR is designed to be quickly attached or detached from the side of the weapon or accessory rail.
2. Loosen the rail clamp tension bolt.
3. Angle the TLR, placing the fixed portion of the rail clamp against the accessory rail and align the rail key with the appropriate cross groove in the accessory rail.
4. Depress the tension bolt to open the rail clamp, rotate the TLR into place and release the pressure on the tension bolt to "snap" the light in place.
5. Check for fit and tighten tension bolt until the TLR is securely attached to the firearm.
A coin should be used to obtain sufficient tightness.

Switch Operation

Both TLR's feature a paddle switch providing momentary or constant activation. The TLR-2 has an additional mode selection switch located on the rear of the laser housing.



TLR-2 Laser Sight Zeroing

For a laser mounted below or to the side of the bore, there is only one distance where the bullet path will coincide with the laser sight line. This point is the "zero range." Laser adjustment and the muzzle velocity of the bullet determine where this point occurs. The user must decide how high above or below the sight line the bullet can be allowed to strike and adjust the sight accordingly. At distances less than the zero range the bullet will be above the sight line. Beyond the zero range the bullet will be below the sight line. If mounted to the side, the bullet will also deviate to the side of the laser line, as well as up and down. In practice, a TLR-2 on a handgun can be adjusted to keep the bullet strike within about 2" high and 2" low out to about 100 feet.

There are two adjustment screws (mounted in brass bushings) located on the laser cartridge housing. The windage adjustment is located on the left hand side of the laser cartridge. Turn the set screw clockwise to move the laser to the left (POI right). Turn the set screw counter-clockwise to move the laser to the right (POI left). The elevation adjustment is located on the underside of the TLR-2 laser cartridge. With the TLR-2 pointed down range a clockwise turn of the adjustment screw will move the laser down (POI up). A counter-clockwise turn on the adjustment screw will move the laser up (POI down). Move the laser dot in the direction that the shots are hitting the target (example: If the bullets are striking low and right, move the laser dot down and right to coincide with the bullet strike). **NOTE:** When making large adjustments there may be an interaction that causes the laser to move diagonally or bind. It may become necessary to rotate the opposing adjustment screw counterclockwise to allow the laser cartridge to move to the desired position.

Maintenance

The TLR rail clamp tensioning bolt requires an application of high quality gun oil to keep it rust free. Use a soft cloth and mild detergent to clean the glass LED lens and keep it free of dirt and grime. The laser aperture (TLR-2) can be cleaned with a Q-tip (or similar item) and mild detergent.

Note: Always avoid aggressive cleaning solutions as they may damage the TLR.

LIMITED LIFETIME WARRANTY

Streamlight warrants its products to be free of defect for a lifetime of use. We will repair, replace or refund the purchase price, at our option, of any Streamlight product that does not work or that you manage to break for as long as you own it. Of course, this limited lifetime warranty excludes abuse, batteries, bulbs and chargers. Rechargeable batteries and chargers have a (1) one-year warranty with proof of purchase. Please return your Streamlight to our factory to take advantage of this guarantee. Go to www.streamlight.com for the location of an authorized Streamlight repair center near you. In any country or under any jurisdiction where specific restrictions exist on limited lifetime warranties, Streamlight offers a 10-year limited warranty.

SERVICE

The TLR contains few or no user-serviceable parts.

Please Return To:
Customer Service
STREAMLIGHT, INC.
30 Eagleville Road
Eagleville, PA U.S.A. 19403-39996
Phone: (800) 523-7488 Toll-Free
Fax: (800) 220-7007
www.streamlight.com