



## Streamlight TLR-7 SUB Instructions

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available at [BrightGuy.com](http://BrightGuy.com)  
TLR-7® sub available at [BrightGuy.com](http://BrightGuy.com)  
Operating Instructions

Thank you for selecting the TLR-7® sub-series weapon-mounted tactical flashlight. As with any fine tool, reasonable care and maintenance of this product will provide years of dependable service.

Please read this manual before using your TLR, it includes important safety and operating instructions and should be saved.

SAVE THESE INSTRUCTIONS. This guide contains important safety and operating instructions for your TLR-7® sub.

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## IMPORTANT WARNINGS

**⚠ CAUTION** STROBE MODE MAY CAUSE SEIZURES IN PERSONS WITH PHOTOSENSITIVE EPILEPSY.

**⚠ WARNING** HANDLING A FIREARM CAN BE DANGEROUS AND MAY RESULT IN SERIOUS INJURY, DAMAGE TO PROPERTY, OR DEATH. READ AND FOLLOW THESE OPERATING INSTRUCTIONS AND SAFETY STATEMENTS.

**⚠ WARNING** 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.

**⚠ WARNING** HANDLING A FIREARM CAN BE DANGEROUS AND MAY RESULT IN SERIOUS INJURY, DAMAGE TO PROPERTY, OR DEATH. Be certain the firearm is pointed in a SAFE direction. Never put your finger on the trigger unless you intend to shoot and you are sure of your target and backstop. Never point a firearm at something you are not willing to destroy.

**⚠ WARNING** ACCIDENTAL DISCHARGE OF A FIREARM MAY RESULT IN SERIOUS INJURY, DAMAGE TO PROPERTY, OR DEATH. The TLR-7@sub 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.

Thoroughly practice (employing safe training conditions) with the TLR-7@sub and firearm before using the weapon in a tactical situation.

BEFORE ATTACHING, INSPECTING, OR SERVICING A FIREARM-MOUNTED TLR-7@sub

1. Read and fully understand your firearm's operating/instruction manual before attaching your gun-mounted light.
2. Read and fully understand the TLR-7@ sub-operating instructions.
3. Engage the safety of the firearm if applicable.
4. Remove the magazine from the firearm if applicable.
5. 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.

## BATTERY SAFETY

**⚠ CAUTION** EXPLOSION RISK, BURN AND FIRE HAZARD. DO NOT DISASSEMBLE, CRUSH, SHORT CIRCUIT, HEAT ABOVE 212°F (100°C), OR DISCARD IN FIRE. DO NOT MIX ALKALINE BATTERIES OF DIFFERENT BRANDS OR OLD WITH NEW BATTERIES. DO NOT RECHARGE ALKALINE. ONLY USE STREAMLIGHT, PANASONIC, OR SANYO SIZE CR123A; DURACELL 123A, OR ENERGIZER 123. KEEP AWAY FROM CHILDREN. THE BATTERY MUST BE RECYCLED OR DISPOSED OF PROPERLY.

## LED SAFETY

**⚠ CAUTION** LED RADIATION (RG-2). DO NOT STARE INTO THE BEAM. MAY BE HARMFUL TO THE EYES. PER IEC 62471 ED 1.0 :2 0 0 6 – 07.

## RAIL KEY INSTALLATION/REMOVAL

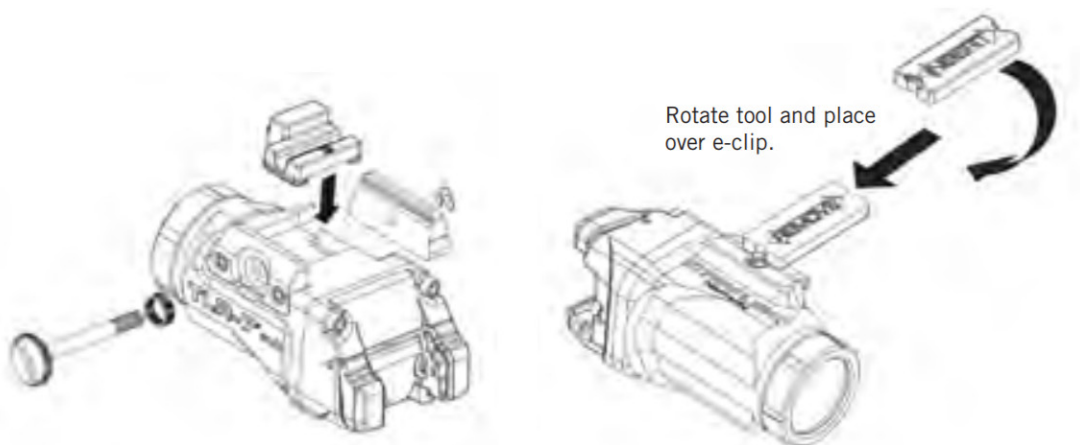
THE TLR MUST BE REMOVED FROM THE FIREARM BEFORE THIS PROCEDURE CAN BE PERFORMED.

The TLR is shipped with a rail key installed and a variety of other keys included. If the key is not correct, select a key that will securely attach your TLR to the weapon with special regard for the width of the key and rail slot, operation of the switch, and non-interference with the trigger guard, etc.

A KEY MUST BE USED OR THE TLR WILL SLIDE OFF THE WEAPON RAIL UNDER RECOIL.

### Rail Key Installation

1. Unscrew the rail clamp tension bolt and remove it completely (the tension spring must stay with the rail clamp tension bolt).
2. Place the key into the slot between the movable portion of the rail clamp and the fixed side.  
**Note:** The key is fitted properly when the rail clamp tension bolt can be installed.
3. Insert the rail clamp tension bolt through the fixed side of the rail clamp, through the key, and tighten it into the movable side of the clamp.
4. Tighten the rail clamp tension bolt fully against the fixed side of the rail clamp.



5. Place the e-clip onto the moveable rail clamp and align the open end with the groove in the threaded portion of the rail clamp tension bolt.
6. Locate the “insert” side of the e-clip tool and place it against the clamping surface.
7. Align the e-clip tool with the e-clip and push the tool until the e-clip snaps into place.

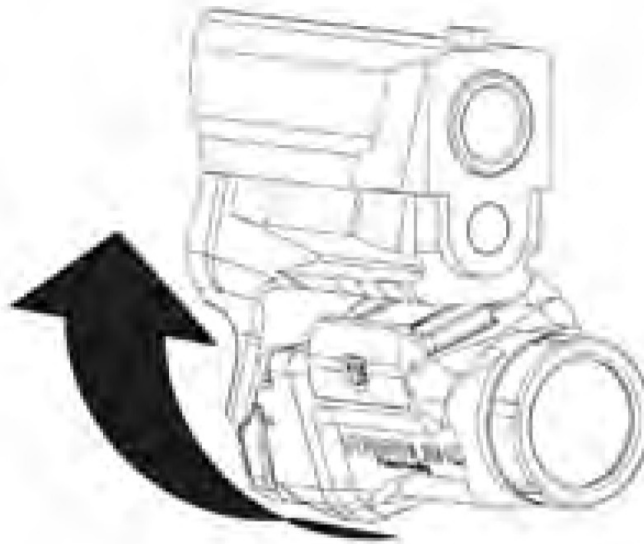
### Rail Key Removal

1. Fully tighten the rail clamp tension bolt.
2. The e-clip will become accessible on the end of the rail clamp tension bolt (not installed from the factory).
3. Locate the “removal” side of the e-clip tool and place it against the moveable clamp surface.
4. Place the tool on the e-clip and apply pressure to free the e-clip from the rail clamp tension bolt.  
The tool must push against the open end of the e-clip.
5. Unscrew the rail clamp tension bolt and remove it completely (the tension spring must stay with the rail clamp tension bolt).

## FLASHLIGHT MOUNTING/REMOVAL

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.



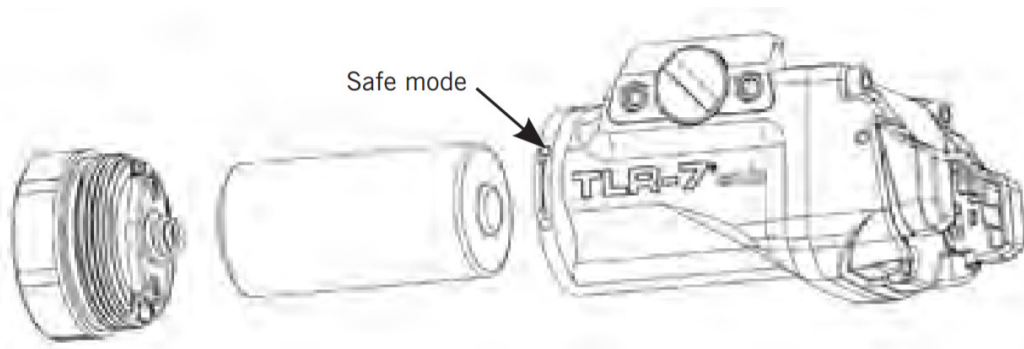
4. Depress the rail clamp tension bolt to open the rail clamp, rotate the TLR into place, and release the pressure on the tension bolt to “snap” the light in place.
5. Check for fit and tighten the rail clamp tension bolt until the TLR is securely attached to the firearm.

**NOTE:** A coin should be used to obtain sufficient tightness. Tighten only “finger tight”.

## BATTERY INSTALLATION/REMOVAL

At the end of battery life, the switch may appear intermittent or non-functional. Replacing the battery will restore normal operation.

1. Unscrew and remove the facecap assembly from the body of the TLR.  
Remove the exhausted battery from the flashlight body.
2. Insert a fresh CR123A battery, positive end first, into the body of the TLR.  
The battery polarity is indicated on the side of the TLR body.
3. Place the facecap assembly onto the TLR body. Fully tighten the facecap assembly to ensure that the battery makes complete contact with the internal electrical contacts.
4. For “safe” mode, loosen the facecap approximately  $\frac{1}{4}$  turn to the detent. The light/laser will not turn on when either button is pressed and the battery is disconnected.



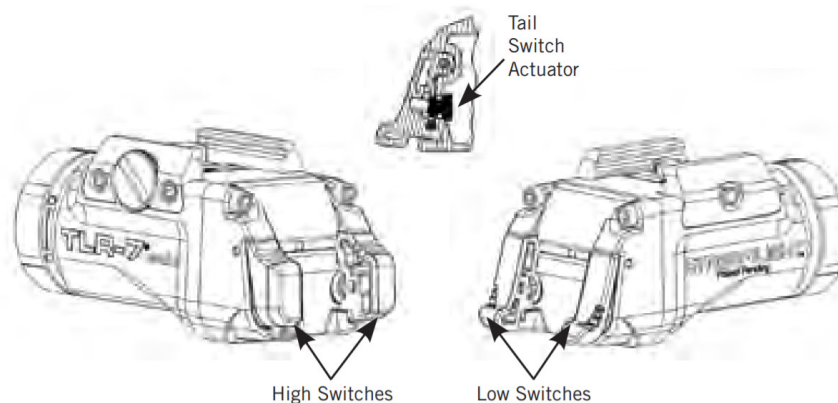
## SWITCH OPERATION

The TLR-7® sub-models feature ambidextrous rear switches. All models provide momentary or constant activation.

- A tap on either switch turns the unit “on” or “off”.
- Press and hold either switch for momentary activation of the unit.
- **NOTE:** The TLR will not operate if the facecap is in “safe” mode.

## Rear Switch Options

The TLR-7® sub has two versions of tail switch available, depending on user grip preference. The LO tail switch presents the rear switch lower on either side of the trigger guard while the HI tail switch presents the rear switch higher up on either side of the trigger guard. **The LO and HI tail switches are interchangeable by removing the tail screws using a 5/64” hex wrench.** Ensure both actuators are in place on the tail switch before installation (see Tail switch Actuator view below).



## Strobe Enable/Disable

The TLR-7 ® sub ships from the factory with the strobe mode disabled. To enable strobe, starting from the “Off” position, tap either switch very rapidly 9 times (within ¼ second per tap) and hold down on the 10th time. Hold the switch until the light turns off (about one second) which indicates reprogramming was successful. Repeat the procedure above to disable strobe mode.

## Strobe Operation

The TLR-7® sub strobe mode can be activated by either switch. Within ¼ second, press either switch, release, and immediately re-press for strobe.

## MAINTENANCE

The TLR rail clamp tension 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.

**Note:** Always avoid aggressive cleaning solutions as they may damage the TLR. If you shoot ammunition with an exposed lead based on the bullets, the lens and facecap may become coated with lead. This may be removed from the lens by rubbing with fine steel wool. It is extremely difficult to remove the lead coating from the facecap. Wrap the facecap with electrical tape to avoid lead coating.

**PRODUCT USE:** Streamlight® flashlights are intended for use as high intensity, heavy-duty, and portable light sources. The use of Streamlight® flashlights for any purpose other than as light sources is specifically discouraged by the manufacturer. Streamlight® specifically disclaims liability for other than recommended use.

**NOTICE** Be sure to use only genuine Streamlight® replacement parts. To assure product safety always use Streamlight-approved replacement parts, substitution may invalidate the product approval. Do not try to repair the unit yourself. Send to a qualified service facility or return it to the factory.

### Streamlight Limited Lifetime Warranty:

Streamlight warrants this product to be free of defects for a lifetime of use except for batteries and bulbs, abuse, and normal wear. We will repair, replace or refund the purchase price of this product should we determine it to be defective. This limited lifetime warranty also excludes rechargeable batteries, chargers, switches, and electronics which have a 2-year warranty with proof of purchase. **THIS IS THE ONLY WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGES ARE EXPRESSLY DISCLAIMED EXCEPT WHERE SUCH LIMITATION IS PROHIBITED BY LAW.** You may have other specific legal rights which vary by jurisdiction.

Go to [www.streamlight.com/support](http://www.streamlight.com/support) for a complete copy of the warranty. Retain your receipt for proof of purchase.

## SERVICE OPTIONS

The TLR-7® sub-models contain few or no user-serviceable parts.

For service options, go to [www.streamlight.com/support/service](http://www.streamlight.com/support/service) and complete the Online Service Request for factory service or to find the location of an authorized Streamlight repair center near you.

Or contact:

### Customer Service

STREAMLIGHT, INC.

30 Eagleville Road

Suite 100

Eagleville, PA U.S.A. 19403-3996

Phone: (800) 523-7488

Toll-Free / +1 (610) 631-0600

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## Documents / Resources



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Streamlight, TLR-7, SUB