

Streamlight 69431

Streamlight TLR-8 X G sub Instruction Manual

Model: 69431

1. INTRODUCTION

This manual provides detailed instructions for the safe and effective use of your Streamlight TLR-8 X G sub tactical weapon light with an integrated green aiming laser. Designed exclusively for Glock 43X and Glock 48 MOS Rail subcompact handguns, this device enhances target acquisition and visibility in low-light conditions. Please read all instructions carefully before installation and operation.

2. PRODUCT OVERVIEW

The Streamlight TLR-8 X G sub combines a powerful LED light with a precise green aiming laser, offering versatile illumination and targeting capabilities. Its compact design ensures a seamless fit without adding significant bulk to your firearm.

2.1 Key Features

- Securely attaches to Glock 43X MOS/48 MOS and Glock 43X RAIL/48 Rail subcompact handguns.
- High mode provides 500 lumens, 5000 Candela, and a 141-meter beam distance.
- Run time of 1.5 hours with light only.
- Three operational modes: LED light only, LED/laser combo, and laser only.
- User-enabled strobe mode.
- Class 3R green laser (510-530nm, <5mW output).
- Next-generation rear paddle switch for ergonomic activation.
- Safe Off feature to prevent accidental activation and conserve battery life.
- Robust rail clamp system for tool-free attachment/detachment.

2.2 Included Components

- TLR-8 X G sub Flashlight
- 1x CR123A Battery
- High and Low Switches
- Mounting Kit, Key Box, and Tool

- User Guide (this manual)

3. SETUP

3.1 Battery Installation

The TLR-8 X G sub uses one (1) CR123A lithium battery. Ensure the battery is inserted with the correct polarity as indicated inside the battery compartment.



Image: Streamlight TLR-8 X G sub with included battery and alternative switches.

3.2 Mounting Instructions

The TLR-8 X G sub features a rail clamp system for quick and secure attachment to your Glock 43X/48 MOS/Rail subcompact handgun without the need for tools. Ensure the firearm is unloaded and safe before proceeding.

1. Align the rail clamp with the accessory rail on your Glock.
2. Open the rail clamp by loosening the mounting screw.
3. Slide the TLR-8 X G sub onto the rail until it clicks into place.
4. Tighten the mounting screw securely by hand. Do not overtighten.



Image: Front view of the Streamlight TLR-8 X G sub, showing the light and laser aperture.



Image: Side view of the Streamlight TLR-8 X G sub, highlighting its compact profile.



Image: Rear view of the Streamlight TLR-8 X G sub, showing the paddle switches.

3.3 Switch Installation (Optional)

The TLR-8 X G sub comes with both high and low profile rear paddle switches. You can choose the switch configuration that best suits your shooting style and ergonomic preference. Refer to the included mounting kit for instructions on changing the switches.



Image: Visual comparison between the high and low profile rear paddle switches.

4. OPERATING INSTRUCTIONS

The TLR-8 X G sub offers multiple modes and intuitive controls for various tactical situations.

4.1 Basic Operation

- **Momentary Activation:** Press and hold either paddle switch. Release to turn off.
- **Constant On:** Press and quickly release either paddle switch. Press and quickly release again to turn off.

4.2 Mode Selection

The TLR-8 X G sub features three primary modes: LED Light Only, LED Light & Laser, and Laser Only. To cycle through modes:

1. Ensure the unit is OFF.
2. Press and hold one paddle switch, then press the opposite paddle switch.
3. Release both switches. The unit will cycle to the next mode. Repeat until the desired mode is selected.



Image: The Streamlight TLR-8 X G sub with its green aiming laser activated.

4.3 Strobe Mode

To activate the strobe mode (if enabled):

- From the OFF position, quickly double-tap either paddle switch.
- To disable strobe, quickly double-tap again or turn the unit off.

4.4 Safe Off Feature

The Safe Off feature prevents accidental activation during storage or transport, conserving battery life. To engage Safe Off:

1. Ensure the unit is OFF.
2. Rotate the bezel counter-clockwise until it stops. This disconnects the battery.

To re-enable operation, rotate the bezel clockwise until it is fully tightened.

4.5 Laser Zeroing

The integrated green laser can be adjusted for windage and elevation to align with your firearm's point of impact. Use the included tool to make fine adjustments to the laser's aim.

- **Elevation Adjustment:** Use the vertical adjustment screw (marked 'U' for Up, 'D' for Down).
- **Windage Adjustment:** Use the horizontal adjustment screw (marked 'L' for Left, 'R' for Right).

WARNING: Always follow safe firearm handling procedures. Perform laser zeroing at a safe range, pointing the firearm in a safe direction.

5. MAINTENANCE

5.1 Battery Replacement

When the light output diminishes or the laser becomes dim, it is time to replace the CR123A battery. Always use a fresh, high-quality lithium battery.

1. Ensure the unit is in Safe Off mode (bezel rotated counter-clockwise).
2. Unscrew the bezel completely to access the battery compartment.
3. Remove the old battery and dispose of it properly.
4. Insert a new CR123A battery with the positive (+) end facing towards the bezel.
5. Screw the bezel back on tightly to ensure proper contact and water resistance.

5.2 Cleaning

Regular cleaning will ensure optimal performance and longevity of your TLR-8 X G sub.

- Wipe the exterior with a damp cloth. Do not use abrasive cleaners.
- Clean the lens with a soft, lint-free cloth. For stubborn dirt, a small amount of lens cleaner designed for optics can be used.
- Keep the rail clamp and contact points free of debris.

5.3 Storage

When storing the unit for extended periods, engage the Safe Off feature by rotating the bezel counter-clockwise to prevent battery drain.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Light/Laser does not turn on.	Battery is dead or improperly installed. Safe Off feature engaged.	Replace battery. Ensure bezel is fully tightened.
Light is dim or flickers.	Low battery. Loose bezel. Dirty contacts.	Replace battery. Tighten bezel. Clean battery contacts.
Laser is not visible or erratic.	Low battery. Dirty laser aperture.	Replace battery. Clean laser aperture.
Unit detaches from rail.	Mounting screw is loose. Incorrect key used for rail type.	Tighten mounting screw. Ensure correct key is installed for your Glock model.

7. SPECIFICATIONS

Feature	Detail
Model Number	69431
Light Source	LED
White Brightness	500 Lumens
Peak Beam Intensity	5000 Candela
Beam Distance	141 Meters
Battery Type	1x CR123A Lithium (included)
Runtime (Light Only)	1.5 hours
Laser Type	Green Aiming Laser (Class 3R, 510-530nm, <5mW)
Material	Aluminum
Color	Black
Item Weight	2.72 ounces
Product Dimensions	2.51"D x 1.16"W x 1.5"H
Water Resistance Level	Water Resistant (IPX4)
Compliance	ANSI FL1, CE

8. WARRANTY & SUPPORT

8.1 Warranty Information

Streamlight products are backed by a Limited Lifetime Warranty. For specific details regarding warranty coverage and claims, please refer to the official Streamlight website or contact their customer service.

8.2 Additional Resources

For further assistance or to download the official User Guide PDF, please visit the Streamlight website or refer to the following link:

- [Official User Guide \(PDF\)](#)
- [Visit the Streamlight Store on Amazon](#)