Streamlight TLR-8 HL-X sub

Streamlight TLR-8 HL-X sub USB Tactical Flashlight User Manual

Model: TLR-8 HL-X sub (69468)

Brand: Streamlight

INTRODUCTION

This manual provides comprehensive instructions for the safe and effective use, setup, operation, and maintenance of your Streamlight TLR-8 HL-X sub USB 1000-Lumen Weapon Rail-Mounted Rechargeable Tactical Flashlight with Integrated Red Aiming Laser. Please read this manual thoroughly before using the device.

SAFETY INFORMATION

WARNING: Always follow proper firearm safety procedures. Ensure the firearm is unloaded and safe before attaching, detaching, or performing any maintenance on the TLR-8 HL-X sub.

- **Laser Radiation:** This product contains a Class 3R laser. Avoid direct eye exposure to the laser beam. Do not point the laser at aircraft or vehicles.
- **Battery Safety:** Use only the specified rechargeable battery. Do not attempt to open, crush, or incinerate the battery. Keep batteries away from children.
- **Heat:** The light head can become hot during prolonged use. Avoid direct contact with the hot surface.
- **Mounting:** Ensure the device is securely mounted to prevent accidental detachment during use.

SETUP AND INSTALLATION

1. Compatibility

The TLR-8 HL-X sub is designed exclusively for use with specific firearms featuring a 1913 rail. Compatible models include:

- Smith & Wesson M&P M2.0 subcompact
- Beretta Px4 Storm subcompact
- Springfield Armory XD-E, XD-S and Hellcat Pro
- Heckler & Koch HK45 compact
- Sig Sauer P365 XMACRO

2. Rail Mounting

The TLR-8 HL-X sub features a rail grip clamp system for quick and secure attachment/detachment without tools.

1. Ensure the firearm is unloaded and safe.
2. Loosen the rail clamp screw on the TLR-8 HL-X sub.
3. Align the rail clamp with the accessory rail on your firearm.
4. Push the unit onto the rail until it seats firmly.
5. Tighten the rail clamp screw securely by hand. Do not overtighten.

Figure 2: Side view of the TLR-8 HL-X sub, showing the rail clamp mechanism. This image illustrates how the unit attaches to a firearm's accessory rail.

3. Battery Installation and Charging

The TLR-8 HL-X sub uses a rechargeable battery and can be charged via USB.

1. To access the battery compartment, unscrew the face cap of the light.
2. Insert the specified rechargeable battery with the positive (+) end facing towards the light head.
3. Replace the face cap and tighten securely to ensure water resistance.
4. To charge, locate the USB charging port (typically covered by a rubber seal) and connect a standard USB-C cable. The charging indicator will show status.

4. Interchangeable Paddle Switches

The unit comes with interchangeable ambidextrous rear paddle switches (high and low) to suit user preference.

1. Using a multi-tool (not included), carefully remove the existing paddle switch by unscrewing the retaining screw.
2. Align the desired high or low paddle switch with the slot.
3. Secure it in place with the retaining screw. Ensure it is snug but do not overtighten.

Figure 3: High and Low Switch options. This image demonstrates the two different paddle switch configurations available for user customization.

OPERATING INSTRUCTIONS

1. Mode Selection

The TLR-8 HL-X sub offers three primary operating modes:

- **LED Light Only:** Activates the 1000-lumen flashlight.
- **LED/Laser Combo:** Activates both the flashlight and the red aiming laser simultaneously.
- **Laser Only:** Activates only the red aiming laser.

To cycle through modes, press and hold one of the paddle switches for approximately 1 second until the desired mode is selected. The unit will remember the last selected mode.

Figure 4: Front view of the TLR-8 HL-X sub, illustrating the light emitter and laser aperture. This view highlights the dual functionality of the device.

2. Activating the Light/Laser

- **Momentary Activation:** Press and hold either paddle switch. Release to turn off.
- **Constant On:** Quickly tap either paddle switch. Tap again to turn off.

3. Strobe Mode

The TLR-8 HL-X sub features a user-enabled strobe mode.

- To activate strobe, quickly double-tap either paddle switch while the light is off or in constant on mode.
- To exit strobe mode, tap either paddle switch again.

4. Laser Adjustment

The integrated red aiming laser can be adjusted for windage and elevation.

1. Locate the windage and elevation adjustment screws on the side of the unit.
2. Using a small flathead screwdriver or the appropriate tool, turn the screws incrementally to adjust the laser point of aim.
3. Perform live-fire zeroing at a safe range to ensure accuracy.

MAINTENANCE

1. Cleaning

- Wipe the exterior of the unit 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 cleaning solution can be used.
- Ensure the USB charging port cover is securely closed to prevent dust and moisture ingress.

2. Battery Care

- Recharge the battery regularly, especially after prolonged storage, to maintain optimal performance.
- If storing the unit for an extended period, remove the battery.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Light/Laser does not turn on.	Low or dead battery. Incorrect battery orientation. Loose battery cap.	Recharge or replace battery. Ensure battery is inserted correctly. Tighten battery cap.
Light output is dim.	Low battery. Dirty lens.	Recharge battery. Clean the lens.
Unit feels loose on rail.	Rail clamp screw is loose.	Tighten the rail clamp screw. Ensure proper fit for your firearm's rail.
Laser is not accurate.	Laser needs zeroing.	Adjust laser windage and elevation as per instructions. Perform live-fire zeroing.

SPECIFICATIONS

Feature	Detail
Model	TLR-8 HL-X sub (69468)
Light Output	1000 Lumens
Candela	10,000 candela
Beam Distance	200 meters
Run Time (Light Only / Light/Laser)	30 minutes
Run Time (Red Laser Only)	29 hours
Laser Type	Class 3R, 640-660nm, <5mW output
Power Source	Rechargeable Battery (USB)
Material	Aluminum
Color	Black
Special Features	Adjustable Light Modes, Durable, High Lumens, Mountable, Rechargeable

WARRANTY INFORMATION

Streamlight products are known for their durability and quality. For detailed warranty information, please refer to the official Streamlight website or contact their customer support. Keep your proof of purchase for warranty claims.
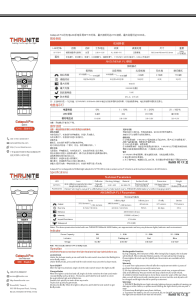
CUSTOMER SUPPORT

If you encounter any issues or have questions not covered in this manual, please visit the official Streamlight website for FAQs, support resources, and contact information.
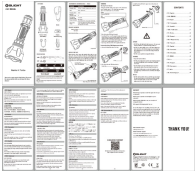
Official Streamlight Website: www.streamlight.com

Related Documents - TLR-8 HL-X sub

	Streamlight TLR-7/TLR-8 Series Weapon-Mounted Tactical Flashlight Operating Instructions Comprehensive operating instructions for the Streamlight TLR-7 and TLR-8 series weapon-mounted tactical flashlights, covering safety, installation, operation, maintenance, and warranty.
	Streamlight ProTac 2.0 Rail Mount Series Operating Instructions Detailed operating instructions for the Streamlight ProTac 2.0 Rail Mount and ProTac 2.0 Rail Mount HP weapon-mounted flashlights. Covers safety, battery charging, mounting on MIL-STD-1913 and M-LOK rails, general operation modes, maintenance, product use, warranty, and service. Includes information on the SL-B50 rechargeable battery and TEN-TAP programming.
	Streamlight PolyTac X USB & PolyTac X Tactical Flashlight Guide Discover the features, specifications, and accessories for the Streamlight PolyTac X USB and PolyTac X professional tactical flashlights. Learn about their high-lumen output, durable construction, and multi-fuel battery options.
	Olight Warrior X 4 User Manual - Tactical Flashlight Guide Comprehensive user manual for the Olight Warrior X 4 tactical flashlight, covering specifications, operation, charging, and warranty information.
	ThruNite Catapult Pro Rechargeable LED Flashlight User Manual Comprehensive user manual for the ThruNite Catapult Pro rechargeable LED flashlight. Details include technical specifications, ANSI/NEMA FL1 performance parameters, operating instructions for various modes (Turbo, Infinity High/Low, Firefly, Strobe), battery indicator functions, charging procedures, warranty information (2-year replacement, 30-day refund, lifetime maintenance), and essential safety warnings. Features SFT70 LED, 2713 lumens output, 1005m beam distance, and IPX-8 waterproof rating.

Olight Warrior X Turbo User Manual

Comprehensive user manual for the Olight Warrior X Turbo flashlight, detailing specifications, operation, charging, safety warnings, and warranty information.

Documents - Streamlight – TLR-8 HL-X sub

[pdf] User Manual Instructions Guide

TLR 7® HL X SUB 8® PRODUCT INSTRUCTIONS STREAMLIGHT Product InstructionsStreamlight G Sub Gun Light With Green LaserTLR 7 8 INSTRUCTIONScdn shopify s files 1 0609 2344 5487 v 1739118846 Laseropplanet streamlight tlr hl x sub product instructionsTLR INSTRUCTIONSopticsplanet i opplanet instructions srsltid AfmBOopU9MKdGmY5Ds3tx5oFXjphG2j5C3PPAUo KlcksHqDNlM8YIDFcdn instructionsopplanet KlcksHqDNlM8YIDFopticsplanet AfmBOoorcziKNfdJ38JDEytZccwlbjDg9b4aFNCAmMqqOHtzebWffalDcdn AfmBOooeaAFo etjqQmofd7BaTKGUjSr3SH1lNcT1qFtOymILw8LGLP8opticsplanet ||| ||| TLR-7 HL-X sub / TLR-8 HL-X sub Operating Instructions // Instrucciones de funcionamiento Instructions d utilisation // Bedienungsanleitung ENGLISH IMPORTANT: FULLY CHARGE SL-B9 BATTERY PACK BEFORE FIRST USE. Thank you for selecting the TLR ||| TLR-7 HL-X sub / TLR-8 HL-X sub Operating Instructions // Instrucciones de funcionamiento Instructions d utilisation // Bedienungsanleitung ENGLISH IMPORTANT: FULLY CHARGE SL-B9 BATTERY PACK BEFORE FIRST USE. Thank you for selecting the TLR ||| TLR-7 HL-X sub / TLR-8 HL-X sub Operating Instructions // Instrucciones de funcionamiento Instructions d utilisation // Bedienungsanleitung ENGLISH IMPORTANT: FULLY CHARGE SL-B9 BATTERY PACK BEFORE FIRST USE. Thank you for selecting the TLR

TLR-7 HL-X sub / TLR-8 HL-X sub Operating Instructions // Instrucciones de funcionamiento Instructions d utilisation // Bedienungsanleitung ENGLISH IMPORTANT: FULLY CHARGE SL-B9 BATTERY PACK BEFORE FIRST USE. Thank you for selecting the TLR-7 HL-X sub, TLR-8 HL-X sub, or TLR-8 HL-X G sub multi-...

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[pdf] Dimension Guide

TLR 8® HL X SUB GLOCK® PRODUCT FACT SHEET STREAMLIGHT Streamlight Inc Jan 15 2025 — EXPORT CONTROLS The export of this product is subject to the jurisdiction U S Department Commerce Export Administrative Regulations EAR 8 HLX ProductSheet Glock files batteryjunction frontend streamlight info |||

PRODUCT FACT SHEET TLR-8 HL-X sub MULTI-FUEL, HIGH-LUMEN, RAIL-MOUNTED TACTICAL LIGHT WITH RED LASER DESIGNED FOR USE WITH GLOCK 43X MOS, 48 MOS, 43X RAIL, AND 48 RAIL SUBCOMPACT HANDGUNS DESCRIPTION: The TLR-8 HL-X sub features 1,000 lumens and 10,000 candela when powered by 1 Streamlight SL-B...

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[pdf] Price List

Streamlight 2025 Increase MAY Rob Ford VendorLink Prices effective June 2 This copy of the price list is provided to you as a courtesy and Electronic transmissions Build 154 myvendorlink external vfile d vrf s 178276 v 26771 sv 0 i ft b |||

Part Number Item Description Distributor Price List 2025 Prices effective June 2, 2025. LI-ION CHA ... SL-B9 rechargeable battery pack, USB-C cord, multi-tool and key kit - Box 080926-69475-0 612.21 TLR-8 HL-X sub USB GLOCK 43X/48 MOS 43X/48 Rail - Includes high and low switches, 1 SL-B9 rech...

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Streamlight 2025 Distributor Price List

This document is the 2025 distributor price list for Streamlight products, detailing various flashlight models, their part numbers, descriptions, UPC codes, and MSRPs.

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STREAMLIGHT 2025 June 1 MSRP Price List VendorLink 080926 68910 7 92 40 $ 68793 Dualie Rechargeable Magnet 120V 100V AC Jack Cap® tail cap switch M LOK® mount EA 6 5 26 89015 2 305 54 Item 154 Build myvendorlink external vfile d vrf s 178276 v 107648 sv 0 i ft b |||

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Distributor Price List 2025 Prices effective June 2, 2025. Part Number Item Description LI-ION C ... nd low switches, 1 SL-B9 rechargeable battery pack, USB-C cord, multi-tool and key kit - Box EA TLR-8 HL-X sub USB GLOCK 43X/48 MOS 43X/48 Rail - Includes high and low switches, 1 SL-B9 rech...

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