Streamlight 88066 ProTac Rail Mount HL-X

Streamlight 88066 ProTac Rail Mount HL-X 1000-Lumen Multi-Fuel Weapon Light Instruction Manual

Model: 88066 ProTac Rail Mount HL-X | Brand: Streamlight

1. INTRODUCTION

The Streamlight 88066 ProTac Rail Mount HL-X is a high-lumen, multi-fuel weapon-mounted light designed for rapid and secure attachment to MIL-STD-1913 rails on rifles, carbines, and submachine guns. This manual provides essential information for the proper setup, operation, and maintenance of your device.

This light offers versatile operation with either a remote pressure switch or a standard push-button tail switch. It supports dual-fuel technology, allowing operation with two CR123A lithium batteries or one Streamlight rechargeable SL-B26 battery.

2. WHAT'S IN THE BOX

Upon opening your package, verify that all the following components are included:

- Streamlight 88066 ProTac Rail Mount HL-X Weapon Light
- Remote Pressure Switch
- Standard Push-Button Tail Switch
- Remote Retaining Clips & Mounting Hardware
- Two CR123A Batteries
- User Guide

Figure 1: All components included with the Streamlight 88066 ProTac Rail Mount HL-X.

3. SETUP

3.1. Battery Installation

The ProTac Rail Mount HL-X operates on either two CR123A lithium batteries or one Streamlight rechargeable SL-B26 battery. Ensure correct polarity when inserting batteries.

1. Unscrew the tail cap from the main body of the light.
2. Insert two CR123A batteries (positive end first) or one SL-B26 battery into the battery compartment.
3. Replace the tail cap, ensuring it is tightened securely to maintain water resistance.

Figure 2: Battery installation for the ProTac Rail Mount HL-X.

3.2. Mounting the Light

The integrated rail clamp allows for easy attachment to MIL-STD-1913 rails without requiring additional tools. The light comes with various keys to ensure compatibility with different rail systems.

1. Loosen the thumbscrew on the rail clamp.
2. Align the light's rail clamp with the desired slot on your MIL-STD-1913 rail.
3. Push the light onto the rail until it seats firmly.
4. Tighten the thumbscrew by hand until secure. For extra security, a flat-head wrench can be used with the provided groove.

Figure 3: ProTac Rail Mount HL-X mounted on a rail.

3.3. Attaching the Remote Pressure Switch

The remote pressure switch provides momentary and constant-on operation. Use the included retaining clips and mounting hardware to secure the switch and cable to your rail system.

1. Replace the standard tail cap with the remote switch tail cap.
2. Position the remote pressure switch on your rail in a comfortable and accessible location.
3. Use the provided clips and screws to secure the pressure switch and route the cable along the rail, ensuring it does not interfere with weapon operation.

Figure 4: Remote pressure switch installation.

4. OPERATING INSTRUCTIONS

4.1. TEN-TAP Programming

The ProTac Rail Mount HL-X features TEN-TAP Programming, allowing you to select from three user-selectable programs:

- **Program 1 (Factory Default):** High / Strobe

- **Program 2:** High Only
- **Program 3:** Low / High

To change programs:

1. Ensure the light is in the 'off' position.
2. Tap the switch rapidly 9 times (within 0.4 seconds per tap).
3. On the 10th tap, hold the switch down. The light will cycle through the available programs.
4. Release the switch when the desired program is active. The light will flash to confirm the new program.

4.2. Switch Operation (Tail Switch & Remote Switch)

Both the standard push-button tail switch and the remote pressure switch offer similar functionality based on the selected TEN-TAP program.

- **Momentary On:** Press and hold the switch. Release to turn off.
- **Constant On:** Press the switch fully and release quickly. Press again to turn off.
- **Strobe:** Double-tap the switch quickly (if in Program 1).

Figure 5: ProTac Rail Mount HL-X in operation.

5. KEY FEATURES

- **High Lumen Output:** Delivers 1000 lumens for maximum illumination.
- **LED Technology:** White LED technology, impervious to shock with a 50,000-hour lifetime.
- **TIR Optic:** Produces a concentrated beam with optimum peripheral illumination.

- **Dual Fuel Capability:** Operates with two CR123A lithium batteries or one Streamlight rechargeable SL-B26 battery.
- **TEN-TAP Programming:** Offers three user-selectable operating modes (High/Strobe, High Only, Low/High).
- **Remote Pressure Switch:** Features momentary and constant-on operation for tactical flexibility.
- **Integrated Rail Clamp:** Easily attaches to MIL-STD-1913 rails without tools for secure mounting.
- **Durable Construction:** Made from 6000 Series machined aircraft aluminum with an impact-resistant tempered glass lens.
- **Water Resistance:** IP67-rated (waterproof to 1 meter for 30 minutes) with standard push-button switch; IP54-rated (water-resistant) with remote pressure switch.

Figure 6: Overview of key features and specifications.

6. MAINTENANCE

The Streamlight ProTac Rail Mount HL-X is designed for durability and requires minimal maintenance. Regular cleaning and proper battery management will ensure optimal performance.

- **Cleaning:** Wipe the light with a soft, damp cloth to remove dirt and debris. Avoid abrasive cleaners.

- **Battery Replacement:** Replace batteries as needed. Always use fresh, high-quality batteries.
- **O-Rings:** Periodically inspect O-rings for wear and tear. Lubricate with silicone grease if necessary to maintain water resistance.

7. TROUBLESHOOTING

If your Streamlight ProTac Rail Mount HL-X is not functioning as expected, consider the following common issues:

- **Light Not Turning On:** Ensure batteries are correctly inserted with proper polarity and are not depleted. Check that the tail cap is fully tightened.
- **Intermittent Operation:** Verify that the tail cap and any remote switch connections are secure. Clean battery contacts if necessary.
- **Dim Light Output:** Replace batteries with fresh ones. Dim output often indicates low battery power.

If issues persist, refer to the warranty and support section for further assistance.

8. SPECIFICATIONS

Feature	Detail
Model Number	88066
Light Output Maximum	1000 Lumens
Brightness	50,000 Candela
Beam Distance	447 Meters (High)
Power Source	Battery Powered (2x CR123A or 1x SL-B26)
Battery Cell Composition	Lithium
Light Source Type	LED
Material	Aluminum (6000 Series machined aircraft)
Color	Black
Product Dimensions	5.43"D x 1.45"W x 1.72"H
Item Weight	6.4 ounces
Water Resistance Level	IP67 (standard switch), IP54 (remote switch)
Special Feature	High Power, Impact Resistant

9. WARRANTY & SUPPORT

The Streamlight 88066 ProTac Rail Mount HL-X comes with a **Lifetime Warranty**. For warranty claims, technical support, or any questions regarding your product, please contact Streamlight customer service directly.

Visit the official Streamlight website or refer to the contact information provided in your product packaging for

the most up-to-date support details.