**OLIGHT O-BALDRMINI2-DT#USVC**

# OLIGHT Baldr S Weaponlight User Manual

Model: O-BALDRMINI2-DT#USVC

## INTRODUCTION

The OLIGHT Baldr S is a compact and powerful rail-mounted weaponlight designed for tactical use. It features an 800-lumen white LED and a precise green beam, offering versatile illumination and aiming capabilities. With its magnetic USB charging and robust aluminum construction, the Baldr S provides reliable performance for various applications.

*Image: The OLIGHT Baldr S weaponlight in Desert Tan, showcasing its compact design and integrated green laser.*
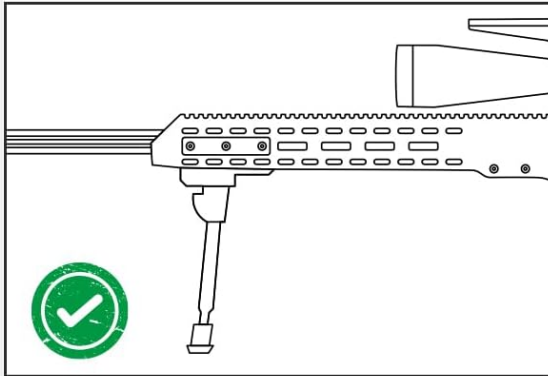
## SETUP AND INSTALLATION

The Baldr S is designed for easy and secure mounting on most GL or Picatinny rails. The GL rail adapter is pre-installed, and a Picatinny (MIL-STD-1913) adapter is included for compatibility.
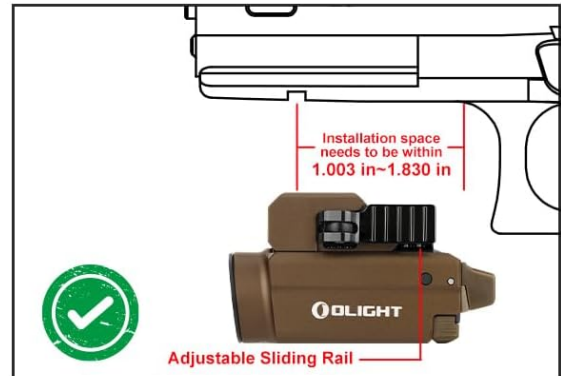
### Rail Compatibility

Ensure your firearm has a compatible rail system. The Baldr S fits rail spaces (from slot to guard) within 1.003 to 1.830 inches.

## FITS

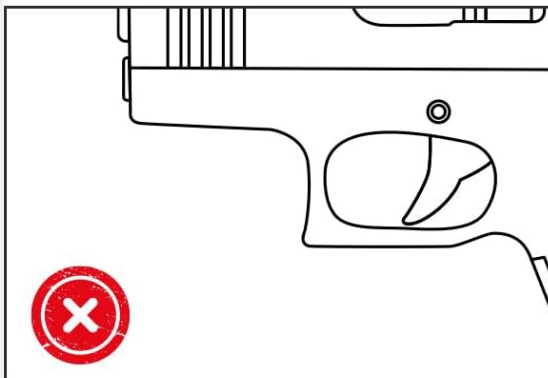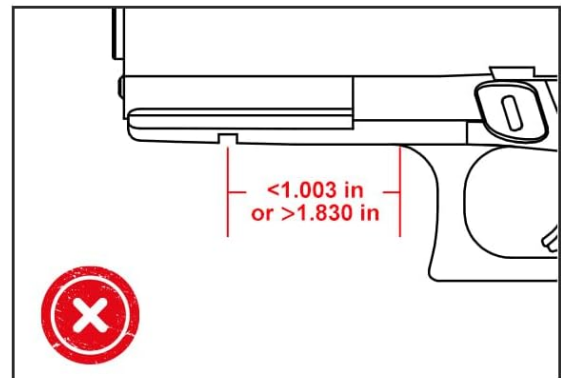## Rail Space (from Slot to Guard) within 1.003 to 1.830 inch

**Picatinny**

Installation space
needs to be within
1.003 in~1.830 in

Adjustable Sliding Rail

**Picatinny with One-Slot or Multi-Slots**

## WON'T FIT

**No Rail/ No Picatinny/ No Slot**

<1.003 in
or >1.830 in

**No Enough Space**

*Image: Visual guide illustrating compatible (Picatinny, Picatinny with One-Slot or Multi-Slots) and incompatible (No Rail, No Picatinny, No Slot, Not Enough Space) rail types for the Baldr S.*

### Changing Rail Adapter (if needed)

If your firearm uses a Picatinny rail and the GL adapter is installed, follow these steps to switch to the 1913 adapter:

1. Locate the rail adapter screws on the bottom of the Baldr S.

2. Use the included Allen wrench to loosen and remove the screws holding the current adapter.

3. Replace the adapter with the appropriate 1913 (Picatinny) rail adapter.

4. Securely fasten the new adapter with the provided screws.

*Image: A close-up view of the rail mount screws on the Baldr S, indicating where to adjust for different rail types.*
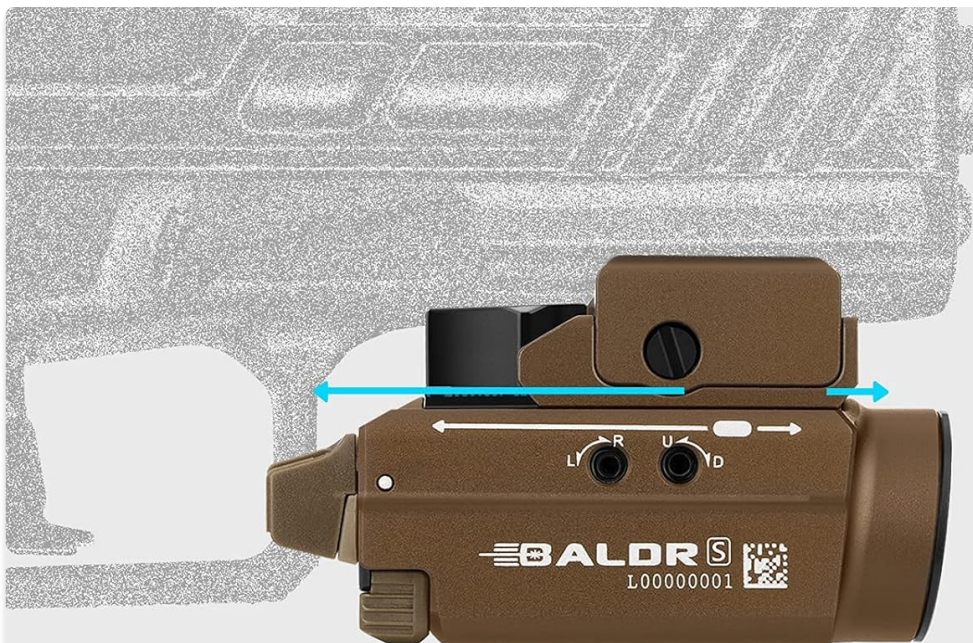
## Mounting the Weaponlight

1. Pull open the swing arm of the rail mount.

2. Slide the Baldr S onto your firearm's rail to your desired position.

3. Use the included Allen wrench to ensure the two socket screws are tight. Two backup socket screws are included in the package.



*Image: Step-by-step diagram illustrating how to mount the Baldr S onto a firearm rail: pull open the swing arm, slide into position, and tighten screws.*

The patented slide rail mount allows for custom-fit positioning for any barrel length.

UTILITY PATENT
US10801814B2

# PATENTED SLIDE RAIL MOUNT

The slide rail mount makes it custom-fit for any barrel length.

*Image: Illustration of the Baldr S's patented slide rail mount, highlighting its adjustability along the rail.*

## OPERATING INSTRUCTIONS

### Power and Precision

The Baldr S delivers up to 800 lumens of white light and a precise green laser beam. It also features a 100-lumen low mode for indoor use.

*Image: Graphic displaying the Baldr S's key performance specifications: 800 lumens maximum output and 130 meters maximum throw.*

## Mode Selection

The Baldr S features a mode setting switch to select between white light only, green beam only, or both combined. Dual ambidextrous switches allow for smooth momentary-on or constant-on activation.



**MAX 800 LUMENS**

Leading power, capable of dealing with more challenging tasks.

A mode setting switch to select white light only, green beam only, or both combined.
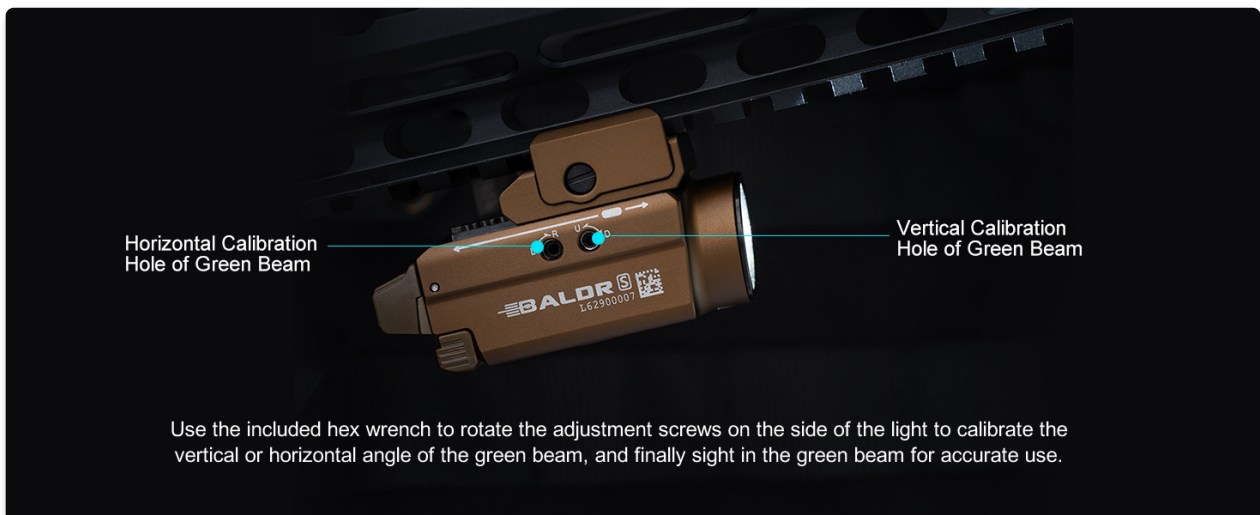
*Image: The Baldr S with its mode selection switch highlighted, showing options for white light only, green beam only, or both combined.*



*Image: Icons representing the three operational modes: Light, Light & Green Beam, and Green Beam.*

## Green Beam Calibration

To ensure accurate aiming, the green beam can be calibrated horizontally and vertically. Use the included hex wrench to rotate the adjustment screws on the side of the light.



*Image: Diagram showing the horizontal and vertical calibration holes for the green beam on the Baldr S.*

## CHARGING AND BATTERY

The Baldr S features a built-in 3.7V 380mAh lithium polymer battery and supports simple magnetic charging. The charging cable snaps on instantly.

# SIMPLE MAGNETIC CHARGING

The charging cable snaps on instantly.
Gets charging started right away.

*Image: The Baldr S connected to its magnetic USB charging cable, demonstrating the ease of charging.*

A full charge takes approximately 80 minutes, providing a maximum runtime of 140 minutes when the light is set to 100 lumens.

When battery power is below 10%, a red indicator light will illuminate.



*Image: The Baldr S showing a red indicator light, signifying battery power is below 10%.*

## MAINTENANCE

To ensure optimal performance and longevity of your OLIGHT Baldr S, follow these maintenance guidelines:

- **Cleaning:** Regularly wipe down the exterior of the weaponlight with a soft, damp cloth to remove dirt, dust, and debris. Avoid using harsh chemicals or abrasive materials.
- **Lens Care:** Keep the lens clean and free of smudges. Use a lens cleaning cloth or a cotton swab with a small amount of rubbing alcohol if necessary.
- **Rail Mount:** Periodically check the rail mount and screws for tightness. Re-tighten if any looseness is detected to maintain a secure fit.
- **Charging Port:** Ensure the magnetic charging port is clean and free of metallic particles or debris to ensure proper charging contact.
- **Storage:** When not in use for extended periods, store the Baldr S in a cool, dry place away from direct sunlight and extreme temperatures.

## TROUBLESHOOTING

| Problem | Possible Cause | Solution |
| --- | --- | --- |
| Light/Laser not turning on | Low battery; Improper mode selection; Loose connection. | Charge the battery; Check mode switch setting; Ensure unit is securely mounted and switches are fully depressed. |
| Green beam not accurate | Laser not calibrated; Unit not securely mounted. | Calibrate the green beam using the adjustment screws; Re-tighten rail mount screws. |
| Charging not working | Dirty charging port; Faulty cable/power source. | Clean the magnetic charging port; Try a different USB power source or charging cable. |
| Unit feels loose on rail | Mounting screws are loose; Incorrect rail adapter. | Tighten the rail mount screws; Ensure the correct GL or 1913 adapter is installed for your rail type. |

## SPECIFICATIONS

| Feature | Detail |
| --- | --- |
| Max Output | 800 Lumens |

| Feature | Detail |
| --- | --- |
| Max Runtime | 140 minutes (at 100 lumens) |
| Max Throw Distance | 130 Meters |
| Light Source Type | LED (White Light) & Green Beam |
| Green Beam Output | <5mW, Class 3R |
| Battery Type | Built-in 3.7V 380mAh Lithium Polymer |
| Charging Method | Magnetic USB Charging |
| Material | Aluminum |
| Weight | 3.36 ounces (95g) |
| Dimensions (L x W x H) | 2.48"D x 1.28"W x 1.4"H (63 x 32.5 x 36 mm) |
| Water Resistance Level | Waterproof |
| Included Components | Battery, H1.5 Allen Wrench, Oval Point Set Screw, HM2.5*4.5 Socket Cap Screw, M3x4 Socket Set Screw, Picatinny (MIL-STD-1913) Rail Mount Adapter |

# BRIGHT AND COMPACT WEAPONLIGHT

1.28 in

1.4 in

2.48 in

| MAX OUTPUT | MAX RUNTIME | MAX THROW | WEIGHT |
|:---:|:---:|:---:|:---:|
| 800lm | 140min | 130m | 95g/3.35oz (Including Battery) |

*Image: Graphic detailing the dimensions (length, width, height) and key performance metrics (max output, runtime, throw, weight) of the Baldr S.*

## WARRANTY INFORMATION

OLIGHT provides a **Lifetime Warranty** for products purchased after January 1st, 2023. This warranty covers defects in material and workmanship. For detailed terms and conditions, please refer to the official OLIGHT website or contact customer support.

## SUPPORT

For further assistance, technical support, or warranty claims, please visit the official OLIGHT website or refer to the comprehensive user manual PDF available for download.

**Official User Manual (PDF):** Download PDF

**OLIGHT Official Store:** Visit Store