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OLIGHT Goshawk 1600

OLIGHT Goshawk 1600 Bike Light User Manual

Model: Goshawk 1600

INTRODUCTION

The OLIGHT Goshawk 1600 is a high-performance, rechargeable bike light designed for both mountain and urban riding. It features a powerful 1600-lumen output, a long-lasting battery, and a wireless remote control for convenient operation. This manual provides detailed instructions for the proper setup, operation, maintenance, and troubleshooting of your Goshawk 1600 bike light.



The Goshawk 1600 bike light mounted on a bicycle, showcasing its compact design and integration with a bike computer.

Key Features:

- **Powerful Output:** Delivers up to 1600 lumens with distinct high and low beam modes.
- **Anti-Glare Low Beam:** Features a sharp cut-off line to prevent glare for oncoming traffic.
- **Extended High Beam:** Provides broad and long-distance illumination for dark paths.
- **Long-Lasting Battery:** Rechargeable high-capacity battery offers up to 15 hours of continuous runtime.
- **USB-C Charging:** Fast and reliable recharging via a USB-C port.
- **IPX6 Waterproof:** Protects against heavy rain and harsh conditions.
- **Wireless Remote Control:** Allows for easy mode adjustments and maximum output activation.
- **Memory Function:** Retains previous settings upon reactivation.
- **Under-Bar Mounting:** Sleek design keeps handlebars clear and stable.
- **Lock Protection:** Prevents accidental activation.
- **Durable Construction:** Robust aluminum housing for efficient heat management.

SETUP INSTRUCTIONS

Package Contents:

Before beginning, ensure all components are present:

- Goshawk 1600 Bike Light (x1)
- Handlebar Out-Front Mount (x1)
- Remote Control (including strap) (x1)
- Metal GoPro Adapter (x1)
- Nylon Shims (28mm/32mm/35mm) (x3)
- Screws (x2)
- 2mm Hex Key (x1)
- 3mm Hex Key (x1)
- USB-C Charging Cable (x1)
- User Manual (x1)



An overview of the Goshawk 1600 components, including the light unit, handlebar mount, remote control, and various adapters and tools.

Mounting the Bike Light:

1. **Select Appropriate Shim:** Choose the nylon shim that best fits your handlebar diameter (28mm, 32mm, or 35mm) to ensure a secure fit for the handlebar out-front mount.
2. **Attach Mount to Handlebar:** Position the handlebar out-front mount on your handlebar. Use the provided screws and hex key to tighten the mount securely. Ensure the mount is centered and stable.
3. **Install GoPro Adapter (Optional):** If using a GoPro-compatible device, attach the metal GoPro adapter to the top of the out-front mount.
4. **Attach Bike Light:** Slide the Goshawk 1600 bike light onto the quick-release mechanism of the out-front mount until it clicks into place. Ensure it is firmly secured. The light should be positioned underneath the handlebars.

UNDER-BAR MOUNTING SYSTEM

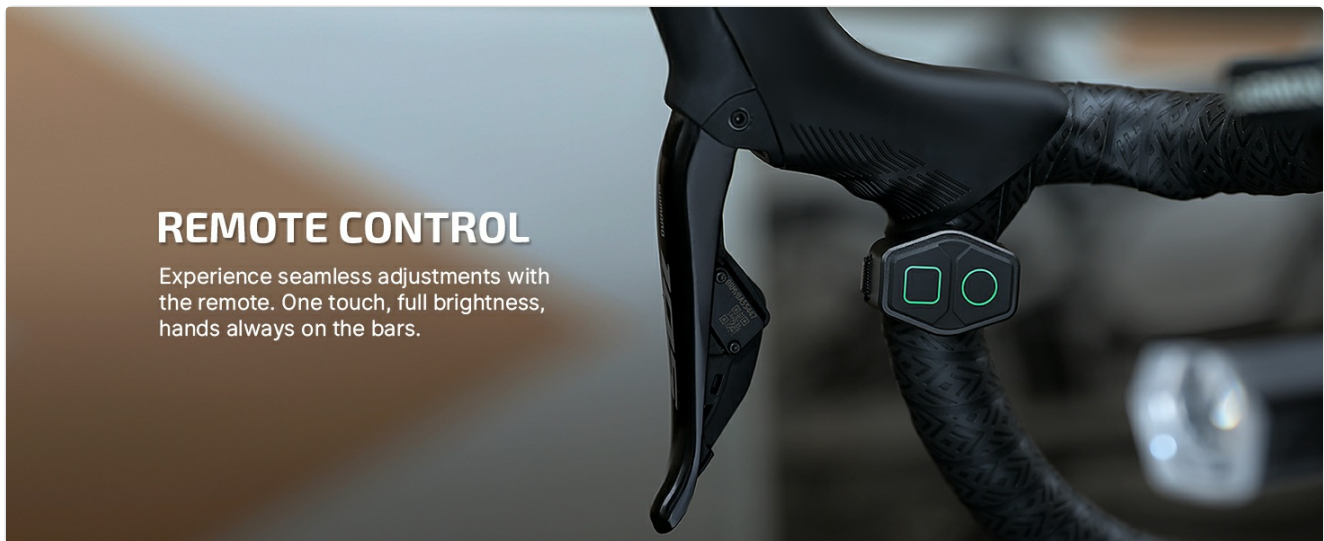
Secure your light under the handlebars with a quick-release system, clearing cockpit space for a tidy setup.



The under-bar mounting system allows for a clean cockpit setup, securing the light below the handlebars with a quick-release mechanism.

Mounting the Remote Control:

Attach the wireless remote control to a convenient location on your handlebar using the provided strap. Ensure it is within easy reach for safe operation during your ride.



REMOTE CONTROL

Experience seamless adjustments with the remote. One touch, full brightness, hands always on the bars.

The wireless remote control provides seamless adjustments, allowing for one-touch activation of full brightness while keeping hands on the bars.

OPERATING INSTRUCTIONS

Charging the Battery:

Before first use, fully charge the Goshawk 1600. The USB-C charging port is located on the rear of the light unit.

1. Open the protective cover of the USB-C port.
2. Connect the provided USB-C cable to the light and to a USB power source (e.g., computer, wall adapter).
3. The battery indicator will show charging status. A full charge is indicated when the light turns solid green.
4. Close the protective cover firmly after charging to maintain water resistance.

USB-C CHARGING & DISCHARGING

The USB-C charging port doubles as a power source for electronic devices, adding versatility to your gear.



The USB-C charging port is conveniently located and protected by a cover, also functioning as a power source for other electronic devices.

Powering On/Off and Mode Selection:

The Goshawk 1600 can be operated using the button on the light unit or the wireless remote control.

- **Power On/Off:** Press and hold the main button on the light or the power button on the remote for approximately 1 second.
- **Cycle Modes:** Short press the main button on the light or the mode button on the remote to cycle through available brightness modes (Low Beam Low, Low Beam Mid, Low Beam High, High Beam Low, High Beam Mid, High Beam High, Day Flash, Night Flash).
- **Memory Function:** The light will remember the last used mode when turned off and on again.
- **Instant Max Output:** Tap the designated button on the remote control for immediate access to maximum output.



The low beam provides a distinct cut-off line to prevent glare, while the high beam offers increased coverage and distance for dark environments.

Lock Protection:

To prevent accidental activation and conserve battery during transport or storage, the Goshawk 1600 features a lock function.

- **Activate Lock:** While the light is off, press and hold the main button for 3 seconds. The indicator light will flash to confirm locking.

- **Deactivate Lock:** Press and hold the main button for 3 seconds again. The light will turn on in the last used mode.



LOCK PROTECTION

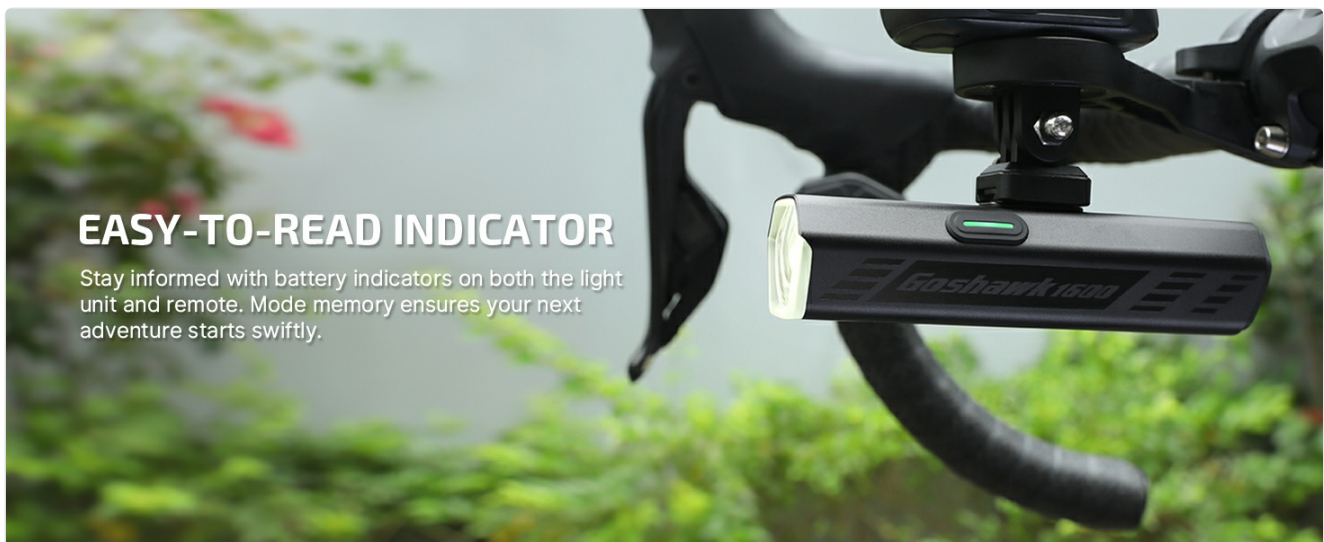
A lock feature prevents accidental activation, preserving energy and ensuring peace of mind wherever you go.

The lock protection feature prevents unintended activation, preserving battery life and ensuring readiness when needed.

Battery Indicator:

The battery indicator on both the light unit and the remote control provides real-time battery status:

- **Green:** 75% - 100% battery remaining
- **Yellow:** 25% - 75% battery remaining
- **Red:** 10% - 25% battery remaining
- **Flashing Red:** Less than 10% battery remaining (recharge immediately)



EASY-TO-READ INDICATOR

Stay informed with battery indicators on both the light unit and remote. Mode memory ensures your next adventure starts swiftly.

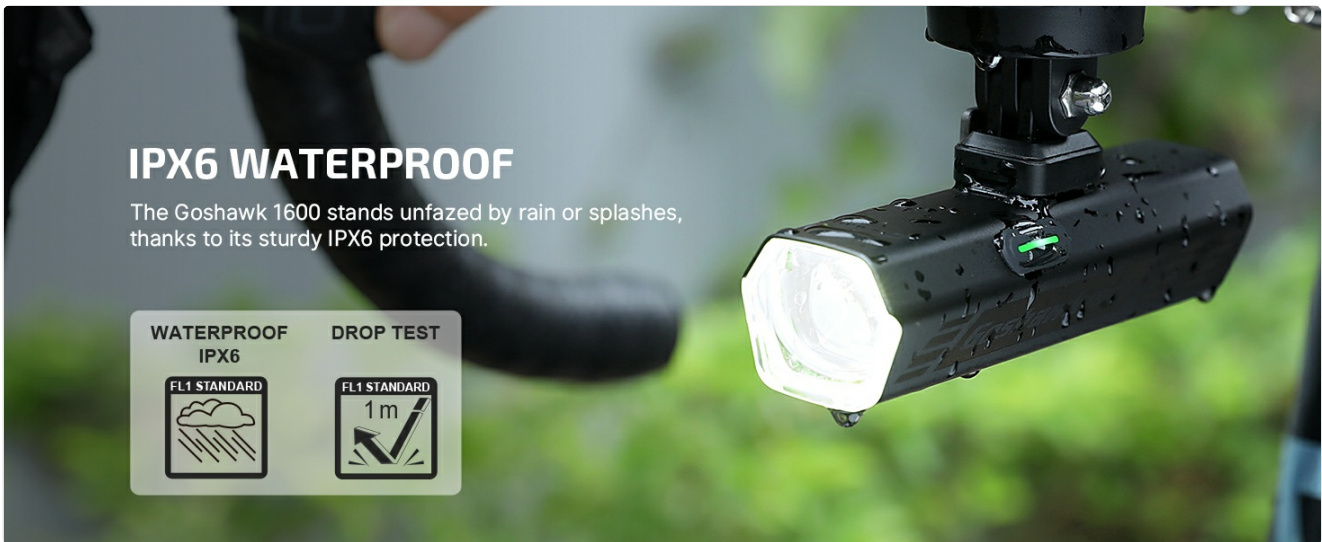
The easy-to-read battery indicator keeps you informed of the remaining power, ensuring you are prepared for your ride.

MAINTENANCE

Cleaning:

Regular cleaning helps maintain the performance and longevity of your Goshawk 1600.

- Wipe the light body with a soft, damp cloth to remove dirt and debris.
- Clean the lens gently with a microfiber cloth to ensure maximum light output. Avoid abrasive materials.
- Ensure the USB-C port cover is clean and properly sealed after charging to maintain its IPX6 waterproof rating.



The Goshawk 1600 features an IPX6 waterproof rating, protecting it from heavy rain and splashes, making it suitable for all weather conditions.

Storage:

When storing the light for extended periods:

- Charge the battery to approximately 50-70% before storage.
- Store in a cool, dry place away from direct sunlight.
- Recharge the battery every 3-6 months to prevent deep discharge and prolong battery life.

TROUBLESHOOTING

If you encounter issues with your Goshawk 1600, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on	Low battery; Light is locked; Faulty connection	Charge the battery; Deactivate lock protection (press and hold main button for 3 seconds); Ensure light is securely mounted.
Remote control not working	Remote battery low; Remote not paired; Obstruction	Check remote battery indicator; Refer to remote pairing instructions (if applicable, not detailed in provided data); Ensure no physical obstructions between remote and light.
Light output is dim	Low battery; Dirty lens	Recharge the battery; Clean the light lens with a soft cloth.
Charging not working	Cable issue; Port issue; Power source issue	Try a different USB-C cable; Ensure USB-C port is clean and free of debris; Try a different USB power source.

If the problem persists after attempting these solutions, please contact customer support.

SPECIFICATIONS

The following table outlines the key specifications of the OLIGHT Goshawk 1600 bike light:




A visual summary of the Goshawk 1600's key performance and physical specifications.

Feature	Detail
Brand	OLIGHT
Model	Goshawk 1600
Color	Black
Material	Aluminum
Power Source	Battery Powered
Water Resistance Level	IPX6 Waterproof
Mounting Type	Handlebar Mount
Number of Settings	13
Light Output Maximum	1600 Lumens
Max Runtime	15 Hours
Max Throw	177 Meters
Beam Intensity	7800 CD
Weight	234 g
Dimensions	113 x 31 x 27.5 mm

Output Table:

The following table details the various output modes and their corresponding runtimes:



OUTPUT TABLE

LOW BEAM: HIGH 800 lumens	72min	40min	60min	118min
LOW BEAM: MID 400 lumens	145min	100min	140min	115min
LOW BEAM: LOW 200 lumens	300min	180min	420min	
HIGH BEAM: HIGH 1600 lumens	6min	114min	33min	
HIGH BEAM: MID 800 lumens	80min	35min	67min	95min
HIGH BEAM: LOW 400 lumens	165min	85min	180min	85min
DAY FLASH 0/1600 lumens				400min
NIGHT FLASH 400/1600 lumens				320min

*All data are measured in accordance with ANSI/NEMA FL 1-2009. The test was conducted at a temperature of 25°C and a wind speed of 25 km/h. The runtime may vary depending on external temperature and ventilation conditions, and these deviations may affect the result of testing.

Detailed output table illustrating lumen levels and runtimes for each mode, measured according to ANSI/NEMA FL 1-2009 standards. Runtimes may vary based on environmental conditions.

WARRANTY INFORMATION

The OLIGHT Goshawk 1600 comes with a **Lifetime Warranty** for products purchased after January 1st, 2023. This warranty covers defects in materials and workmanship under normal use. For specific terms and conditions, or to make a warranty claim, please refer to the official OLIGHT website or contact customer support.

CUSTOMER SUPPORT

For further assistance, technical support, or inquiries regarding your OLIGHT Goshawk 1600 bike light, please contact OLIGHT customer service through their official website. You can typically find contact information, FAQs, and additional resources on the manufacturer's support page.