ROCKBROS RHL1500

ROCKBROS RHL1500 Bike Light User Manual

Model: RHL1500

Product Overview

The ROCKBROS RHL1500 is a high-performance bike headlight designed for enhanced visibility and safety during night riding. It features a powerful 1500-lumen output, a long-lasting 5000mAh USB-C rechargeable battery, and an IPX6 waterproof rating, making it suitable for various weather conditions. Its anti-glare design prevents dazzling oncoming traffic, and it offers multiple lighting modes to adapt to different riding environments.



Figure 1: The ROCKBROS RHL1500 bike light with its compatible mount, showcasing its compact design and robust build.



Figure 2: The RHL1500 bike light providing super bright illumination for night riding, demonstrating its wide floodlight beam.

Package Contents

Please check the package carefully to ensure all items are present:

- ROCKBROS RHL1500 Bike Headlight
- Mounting Bar/Bracket
- USB-C Charging Cable
- User Instructions Manual

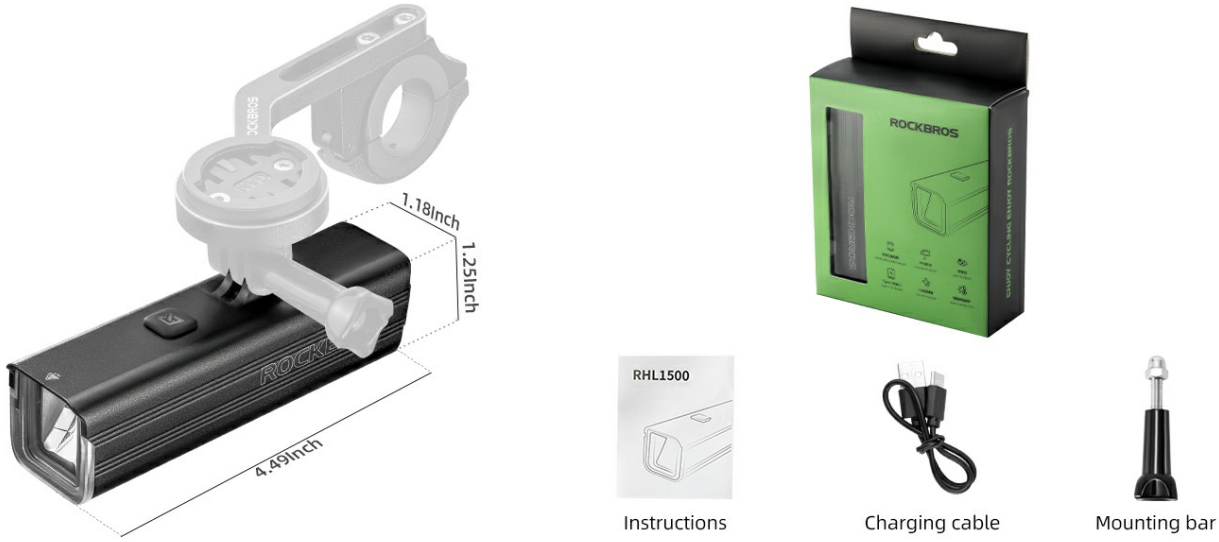


Figure 3: Illustration of the RHL1500 package contents, including the light, mounting accessories, charging cable, and manual.

Setup and Installation

Mounting the Light

The RHL1500 bike light is designed for easy installation and release, compatible with Garmin and GoPro mounts, and can be hung below handlebars to free up space.

1. Identify the mounting hole on the top of the bike light.
2. Align the light with your existing Garmin or GoPro compatible bike computer mount.
3. Secure the light to the mount using the provided screws and mounting bar. Ensure it is firmly attached to prevent movement during rides.



Figure 4: The RHL1500 light shown mounted below a bike computer, illustrating its compatibility with standard mounts.



Figure 5: Diagram showing the simple process of attaching the light to the mounting bar using screws.

Operating Instructions

Power On/Off and Mode Selection

The RHL1500 features five distinct lighting modes, including a smart mode that automatically adjusts brightness based on ambient light to conserve power.

- **Single Click:** Cycles through High, Medium, Low, and Endurance brightness modes.
- **Double Click:** Activates the Warning Flash mode.
- **Triple Click:** Activates Smart Mode, which automatically adjusts brightness.
- **Press and Hold:** Turns the light On or Off.



Figure 6: Visual representation of the five lighting modes and their activation methods.

Brightness and Runtime Table

Mode/Gear	Lumens	Approximate Runtime
A Gear: High brightness	1500 Lumens	~2.0h
B Gear: Medium brightness	600 Lumens	~3.5h
C Gear: Low brightness	400 Lumens	~6.0h
D Gear: Endurance brightness	200 Lumens	~10.0h
E Gear: Warning flash	200 Lumens	—

Note: Runtimes are approximate and may vary based on environmental conditions and battery health.

Charging the Battery

The RHL1500 is equipped with a 5000mAh lithium battery and a USB-C port for fast and convenient charging.

- Connect the provided USB-C cable to the light's charging port.
- Connect the other end of the cable to a USB power source (e.g., power adapter, laptop, power bank, car charger).
- The battery indicator light will show charging status.



Figure 7: The RHL1500 connected via USB-C for charging, compatible with various power sources.

Battery Indicator

The button light on the device serves as a battery indicator, showing the current charge level during discharge and charge cycles.

Electricity (%)	State of Button Light (Discharge)
>50%	Keep Green
<50%	Lower Green Flash
<30%	Lower Red Flash
<15%	Quickly Red Flash

Electricity (%)	State of Button Light (Charge)
100%	Keep Green
<100%	Lower Red Flash

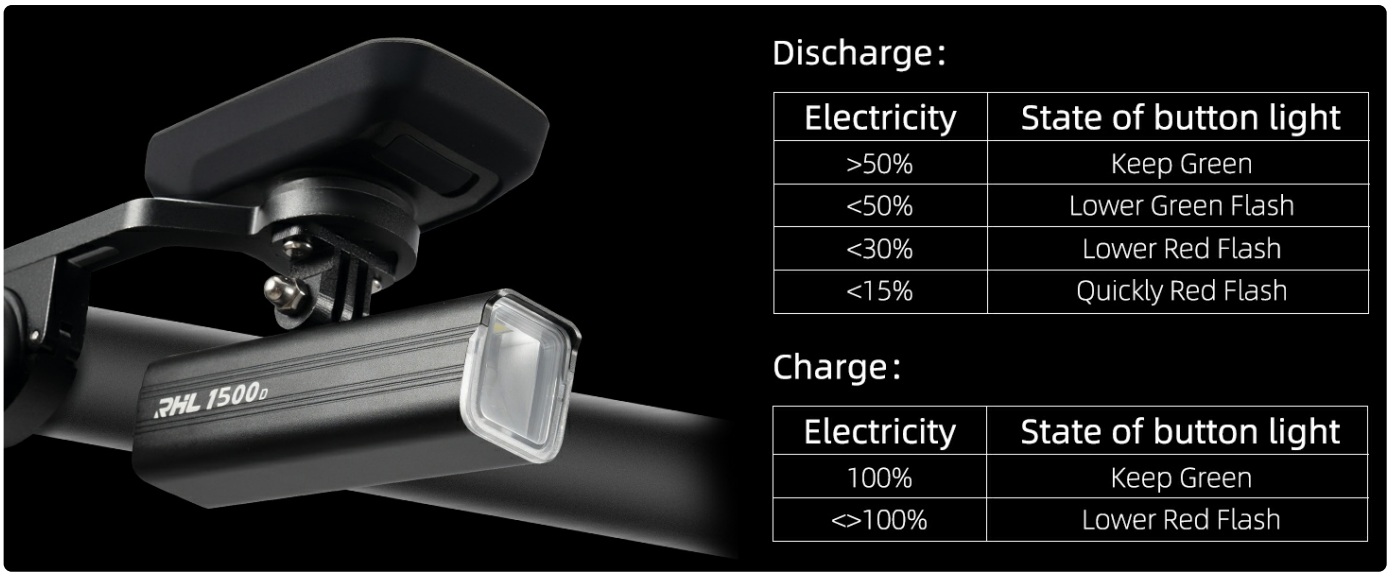


Figure 8: Detailed table showing the battery indicator light behavior during discharge and charge cycles.

Maintenance

Proper maintenance ensures the longevity and optimal performance of your ROCKBROS RHL1500 bike light.

- **Cleaning:** Wipe the light body with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Water Resistance:** The light is IPX6 waterproof, meaning it is protected against powerful water jets. It can withstand heavy rain but should not be submerged in water.
- **Storage:** When not in use for extended periods, store the light in a cool, dry place. Charge the battery periodically (e.g., every 3 months) to maintain battery health.
- **Temperature Control:** The light features intelligent temperature control. If the light temperature exceeds 80°C, the gear will automatically lower. If it exceeds 100°C, the light will automatically turn off to prevent damage.



Figure 9: The RHL1500 light operating effectively in rainy conditions, highlighting its IPX6 waterproof rating.



Figure 10: Diagram illustrating the 90-degree wide floodlight beam and the intelligent temperature control mechanism of the RHL1500.

Troubleshooting

If you encounter issues with your ROCKBROS RHL1500 bike light, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on.	Battery is depleted.	Charge the light using the USB-C cable. Refer to the "Charging the Battery" section.
Light turns off unexpectedly.	Low battery or overheating.	Check battery indicator. If red flashing, recharge. If light is hot, allow it to cool down; the intelligent temperature control may have activated.
Light modes are not changing.	Button malfunction or temporary software glitch.	Ensure you are using the correct single, double, or triple click sequence. Try turning the light off and on again.
Light is dim.	Low battery or incorrect mode.	Recharge the battery. Cycle through modes to ensure you are in a higher brightness setting.

Specifications

Feature	Detail
Model	RHL1500
Brightness	Up to 1500 Lumens
Battery Capacity	5000mAh Lithium Battery
Charging Port	USB-C
Water Resistance	IPX6 Standard
Material	Aluminum Alloy
Mounting Type	Handlebar Mount (Compatible with Garmin/GoPro)
Number of Settings	5 (High, Medium, Low, Endurance, Warning Flash, Smart Mode)
Item Package Dimensions	6.85 x 5.31 x 1.73 inches
Package Weight	0.18 Kilograms

Warranty and Support

The ROCKBROS RHL1500 Bike Light is guaranteed for **1 year** from the date of purchase.
For product support, warranty claims, or further inquiries, please visit the official ROCKBROS store or contact customer service through the platform where you purchased the product.
Official ROCKBROS Store: Visit Store

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Example: How do I reset this device or fix this error?

Details

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