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> ROCKBROS RHL3000 USB Rechargeable Bicycle Headlight User Manual

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Model: RHL3000

INTRODUCTION

Thank you for choosing the ROCKBROS RHL3000 USB Rechargeable Bicycle Headlight. This high-performance front light is designed to enhance your cycling safety and visibility with its powerful 3000 lumens output, versatile lighting modes, and robust construction. This manual provides essential information for the proper setup, operation, maintenance, and troubleshooting of your device.

6 LIGHTING MODES

TO COMBINE WITH YOUR NEED



Click for 1.5s to ON/OFF
 Double click low beam for enter
 to **warning mode**
 (Alternate flashing of low and high beams)

One click A >>> B >>> C >>> D **Double click** warning mode
One click E >>> F >>> No high beam

RHL3000	High beam F grade (1500LM)	High beam E grade (800LM)	No high beam
Low beam A grade (1500LM)	≈2.3h	≈3h	≈4h
Low beam B grade (800LM)	≈3h	≈4.6h	≈7.3h
Low beam C grade (400LM)	≈3.5h	≈5.3h	≈14h
Low beam D grade (200LM)	≈4.3h	≈7h	≈30h

A sleek black bicycle headlight with the ROCKBROS logo, designed for front mounting.

SETUP

1. Mounting the Headlight

The RHL3000 headlight is designed for easy installation on your bicycle's handlebar. Follow these steps to securely attach the light:

1. Identify a suitable position on your handlebar for optimal light projection and accessibility.
2. Use the included hexagonal wrench to attach the mounting bracket to the handlebar. Ensure the bracket is tightened firmly to prevent movement during rides.
3. Align the bicycle light with the bracket and rotate it until it clicks securely into place. Verify that the light is stable and facing forward.



MULTIFUNCTIONAL BICYCLE LIGHT

*SUPPORT INSTALL COMPUTER BIKE
AND OTHER CYCLING ACCESSORIES*



The bicycle headlight securely attached to a handlebar using its mounting bracket.

2. Initial Charging

Before first use, fully charge the RHL3000 headlight. The device features a 10000mAh battery and charges via a USB-Type C port.

1. Connect the provided USB-Type C cable to the charging port on the headlight.
2. Plug the other end of the cable into a compatible USB power source (e.g., computer, wall adapter).
3. The battery indicator light will flash red during charging. A long green light indicates a full charge. Charging typically takes approximately 5.5 hours.



The bicycle headlight connected via a USB-Type C cable for charging, and also shown charging a mobile phone, highlighting its 10000mAh power bank capability.

OPERATION

1. Power On/Off and Mode Selection

The RHL3000 offers 6 distinct lighting modes to suit various riding conditions. The light features two independent light sources, allowing for combined or individual operation.

- **Power On/Off:** Click and hold the power button for 1.5 seconds to turn the light ON or OFF.
- **Mode Cycling (Upper Light):** With the light ON, a single click cycles through the upper light modes: 1500 LUX (High Beam), 800 LUX (High Beam), No High Beam.
- **Mode Cycling (Lower Light):** With the light ON, a single click cycles through the lower light modes: 1500 LUX (Low Beam), 800 LUX (Low Beam), 400 LUX (Low Beam), 200 LUX (Low Beam).
- **Warning Mode:** Double-click the power button to enter warning mode, which features alternating flashing of low and high beams.



An illustration detailing the various lighting modes, including high and low beams, warning mode, and their approximate runtimes. It also shows button press sequences for activation.

2. Battery Indicator

The RHL3000 is equipped with a clear battery indicator to keep you informed of the remaining power:

- **Green Light:** Battery capacity is above 50%.
- **Blue Light:** Battery capacity is below 50%.
- **Red Light:** Battery capacity is below 15%. Recharge the device promptly.



Visual guide to the battery indicator colors (green for >50%, blue for <50%, red for <15%) and a graph illustrating automatic brightness adjustment or shutdown based on temperature to protect the lamp.

3. Power Bank Function

The RHL3000 can also function as an emergency power bank. Its 10000mAh battery can be used to charge other USB-powered devices, such as mobile phones, via its USB-Type C port.

MAINTENANCE

1. Charging

To ensure optimal battery life and performance, charge the headlight regularly, especially when the battery indicator shows red. Use only the provided USB-Type C cable or a certified equivalent.

2. Cleaning

Wipe the headlight with a soft, damp cloth to remove dirt and debris. Avoid using abrasive cleaners or solvents, as these can damage the casing or lens. Ensure the charging port cover is securely closed to maintain IPX6 waterproofing.



The headlight covered in water droplets, demonstrating its IPX6 waterproof design and durable aluminum alloy construction.

3. Storage

When not in use for extended periods, store the headlight in a cool, dry place. It is recommended to charge the battery to approximately 50-70% before long-term storage to preserve battery health.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on.	Low battery. Incorrect operation.	Charge the battery fully. Ensure the power button is pressed and held for 1.5 seconds.
Light dims or turns off automatically.	Overheating protection. Low voltage protection.	The light has an intelligent protection system. If the lamp bead temperature exceeds 70°C, brightness will automatically decrease. If it exceeds 100°C, it will turn off. If battery voltage is too low, it will also turn off to protect the battery. Allow the light to cool down or recharge the battery.
Light is not securely mounted.	Loose bracket.	Re-tighten the mounting bracket with the hexagonal wrench. Ensure the light is properly aligned and rotated into the bracket until secure.
Charging is slow or not working.	Faulty cable or power source.	Try a different USB-Type C cable or a different USB power adapter. Ensure the cable is fully inserted into the port.

SPECIFICATIONS

Feature	Detail
Brand	ROCKBROS
Model Number	RHL3000
Color	Black
Material	Aluminum
Power Source	Battery Powered
Waterproof Level	IPX6
Mounting Type	Handlebar Mount
Product Dimensions (L x W x H)	12 x 5 x 2.8 cm
Number of Settings	6

Feature	Detail
Max Light Output	3000 Lumens (combined) / 1500 Lumens (single beam)
Battery Capacity	10000 mAh
Charging Interface	USB-Type C
Charging Time	Approx. 5.5 hours
UPC / GTIN	747558808428
ASIN	B0D17HLYJD

WARRANTY INFORMATION

The ROCKBROS RHL3000 USB Rechargeable Bicycle Headlight comes with a **2-year warranty** from the date of purchase. This warranty covers manufacturing defects and material faults under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or normal wear and tear. Please retain your proof of purchase for warranty claims.

CUSTOMER SUPPORT

For any questions, technical assistance, or warranty claims regarding your ROCKBROS RHL3000 Bicycle Headlight, please contact ROCKBROS customer support through the retailer where the product was purchased or visit the official ROCKBROS website for contact information.