

NEBO MYCRO 450

NEBO MYCRO 450 Rechargeable Headlamp User Manual

Model: **MYCRO 450** | Brand: **NEBO**

1. INTRODUCTION

This manual provides detailed instructions for the safe and efficient use of your NEBO MYCRO 450 Rechargeable Headlamp. Please read this manual thoroughly before operating the device and retain it for future reference.

Key Features:

- High-Power LED Spot Beam with 6 Light Modes (Turbo, High, Medium, Low, Red, Green)
- 450-Lumen Max Output
- Up to 5-Hour Max Run Time
- Cap Light Convertible Design
- 130° Adjustable Tilt
- Direct-to-Red Startup and Mode Memory Recall
- PowerSave Lockout Function
- Adjustable Headband with Reflective Accents
- Water Resistant IPX4 Rating
- Impact-resistant ABS & Anodized Aircraft-Grade Aluminum Construction
- USB-C Rechargeable with Smart Power Control and Battery Charging Indicator

2. PACKAGE CONTENTS

Ensure all items are present in your package:

- NEBO MYCRO 450 Headlamp
- Adjustable Headband (Universal Fit)

- Cap Light Clip
- USB-A to USB-C Charging Cable

3. PRODUCT OVERVIEW

Familiarize yourself with the components of your NEBO MYCRO 450 Headlamp.



The NEBO MYCRO 450 headlamp features a compact design with an adjustable blue headband, suitable for various activities.

The headlamp unit includes the main LED light, two smaller LEDs for red/green light, a power button, and a USB-C charging port. The adjustable headband provides a comfortable and secure fit, while the detachable clip allows for cap-mounted use.

4. SETUP

4.1 Charging the Headlamp

Before first use, fully charge the headlamp.

1. Locate the USB-C charging port on the side of the headlamp unit. It is protected by a rubber cover.
2. Gently lift the rubber cover to expose the USB-C port.
3. Connect the provided USB-A to USB-C charging cable to the headlamp.
4. Plug the USB-A end of the cable into a compatible USB power source (e.g., computer, wall adapter, power bank).
5. The battery charging indicator will show the charging status. A full charge can be achieved in as little as 30 minutes.
6. Once charging is complete, disconnect the cable and firmly press the rubber cover back into place to ensure water resistance.



USB-C RECHARGEABLE

Fully recharge in as little as 30 minutes.

The headlamp is equipped with a USB-C port for convenient and fast recharging. The image shows the headlamp connected to a charging cable.

4.2 Attaching the Headband

The adjustable headband allows for comfortable, hands-free operation.

1. Thread the ends of the adjustable headband through the slots on either side of the headlamp unit.
2. Adjust the length of the headband to ensure a snug yet comfortable fit around your head. The reflective accents on the band enhance visibility.

4.3 Converting to Cap Light

The MYCRO 450 can be easily converted for use as a cap light.

1. Detach the headlamp unit from the headband by sliding it out of the mounting bracket.
2. Attach the integrated cap light clip on the back of the headlamp unit to the brim of a baseball cap or similar headwear.

CAP LIGHT CONVERTIBLE

Transition from headlamp to
cap light in seconds



The versatile design allows the headlamp to easily convert into a cap light using the integrated clip, providing hands-free lighting.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off and Mode Selection

The MYCRO 450 features a single power button for all functions.

1. **Power On:** Press the power button once to turn on the headlamp. It will activate in the last used mode (Mode Memory Recall).
2. **Mode Cycle:** While the headlamp is on, press the power button repeatedly to cycle through the modes: High > Medium > Low > Green > Red.
3. **Direct-to-Red Startup:** From the OFF position, press and hold the power button for 2 seconds to activate the Red light mode directly.
4. **Power Off:** Press the power button to turn off the headlamp when in any mode. If the light has been on for more than 8 seconds in a single mode, the next press will turn it off directly.

5.2 Turbo Mode Activation

Turbo mode provides the maximum 450-lumen output for short bursts.

- From any ON mode, double-press the power button to activate Turbo mode.
- Turbo mode will run for 30 seconds, then automatically return to the previously used mode to prevent overheating and conserve battery.

5.3 PowerSave Lockout

This feature prevents accidental activation and battery drain.

- To activate PowerSave Lockout: From the OFF position, press and hold the power button for 5 seconds. The light will flash once to indicate lockout is active.
- To deactivate PowerSave Lockout: Press and hold the power button for 5 seconds. The light will flash twice to indicate lockout is deactivated.

5.4 Adjustable Tilt

The headlamp unit can be tilted up to 130° to direct light precisely where needed.

- Gently pivot the headlamp unit up or down to adjust the beam angle.

6. MAINTENANCE

6.1 Cleaning

- Wipe the headlamp with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- Ensure the USB-C port cover is clean and properly sealed after charging to maintain water resistance.

6.2 Battery Care

- To prolong battery life, avoid fully discharging the battery frequently.
- Store the headlamp in a cool, dry place when not in use.
- Recharge the battery periodically if stored for extended periods to prevent deep discharge.



IPX4 WATER-RESISTANT

Built to perform in light rain

This image demonstrates the headlamp's IPX4 water-resistant design, built to withstand light rain and splashes.

7. TROUBLESHOOTING

If you encounter issues with your NEBO MYCRO 450, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Headlamp does not turn on.	Battery is depleted.	Recharge the headlamp using the provided USB-C cable.
Headlamp does not turn on.	PowerSave Lockout is active.	Press and hold the power button for 5 seconds to deactivate PowerSave Lockout.
Light output is dim.	Battery is low.	Recharge the headlamp.

Problem	Possible Cause	Solution
Light output is dim.	Headlamp is in a lower light mode.	Cycle through modes by pressing the power button to select a brighter setting or double-press for Turbo mode.
Headlamp not charging.	Charging cable or power source issue.	Ensure the USB-C cable is properly connected and try a different USB power source.

8. SPECIFICATIONS

Detailed technical specifications for the NEBO MYCRO 450 Headlamp:

MYCRO [®] 450			
MODES	OUTPUT (Lumens)	RUNTIME (Hours or Seconds)	DISTANCE (Meters/Yards)
TURBO	450	30s	80m / 87yd
HIGH	150	1h	50m / 54yd
MEDIUM	50	2h	18m / 19yd
LOW	15	5h	10m / 10yd
GREEN	✓	✓	✓
RED	✓	✓	✓

This table provides a comprehensive overview of the headlamp's performance across its various light modes, including Turbo, High, Medium, Low, Green, and Red.

Feature	Specification
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Feature	Specification
Model Number	NEB-HLP-0025
Light Output (Max)	450 Lumens (Turbo)
Light Source Type	LED
Light Modes	6 (Turbo, High, Medium, Low, Red, Green)
Run Time (Max)	5 Hours (Low)
Beam Angle	130 Degrees (Adjustable Tilt)
Power Source	Battery Powered
Battery Type	200mAh Lithium Polymer (3.7V, 0.74Wh)
Rechargeable	Yes, USB-C
Water Resistance Level	IPX4 (Water Resistant)
Material	ABS & Anodized Aircraft-Grade Aluminum
Product Dimensions	2.76"D x 2.17"W x 1.18"H
Item Weight	9.9 ounces
UPC	044435921356

9. WARRANTY AND SUPPORT

9.1 Warranty Information

The NEBO MYCRO 450 Rechargeable Headlamp comes with a **Limited Lifetime Warranty**. For specific details regarding warranty coverage and registration, please refer to the official NEBO website.

9.2 Customer Support

For further assistance, technical support, or to inquire about specific charging requirements, please visit the official NEBO website at www.nebolights.com.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

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

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question