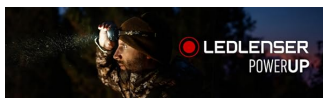


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› Ledlenser HF8R CORE RGB Headlamp User Manual

Ledlenser HF8R Core



Ledlenser HF8R CORE RGB Headlamp

USER MANUAL

Introduction

Welcome to the user manual for your Ledlenser HF8R CORE RGB Headlamp. This advanced headlamp is designed for hands-free illumination, offering powerful light output, versatile focusing, and robust durability. Please read this manual carefully to ensure proper use, maintenance, and to maximize the performance and lifespan of your device.



Figure 1: Ledlenser HF8R CORE RGB Headlamp, showcasing its ergonomic design and camouflage headband.

Key Features

- **Adaptive Light Beam:** Automatic dimming and focusing allows for completely hands-free operation, adjusting light output based on your environment.

HF8R CORE RGB CAMO **HEADLAMP**

TOTALLY HANDS-FREE.
PERFECT FOR HUNTING AND FISHING.

The perfect light for
the highest demands



Figure 2: The headlamp provides hands-free illumination, ideal for various outdoor activities.

- **Digital Advanced Focus System:** Experience a virtually seamless transition from a wide floodlight to a focused spot beam, allowing precise illumination for different distances.

HF8R CORE RGB CAMO



ADAPTIVE LIGHT BEAM

Automatic dimming and
focusing for hands-free use



DIGITAL ADVANCED FOCUS SYSTEM

Seamless focus wheel
adjusts for the perfect light
at all different beam ranges



45° step less tilting
lamp head

Figure 3: Detailed view of the Adaptive Light Beam and Digital Advanced Focus System.

- **Multicolor LED:** The headlamp features white, green, red, and blue light options, selectable via the rotary switch, to suit various lighting needs and situations.

MIN -  20 - 2000 Lumens  25 - 220m Beam Distance  3.5 - 90h Run Time
MAX

6.8 oz.



Figure 4: The headlamp offers multiple light colors and functions, including white, green, red, and blue.

- **Ledlenser Connect App:** Remotely control and personalize features of your headlamp, including custom light profiles, via a dedicated mobile application.

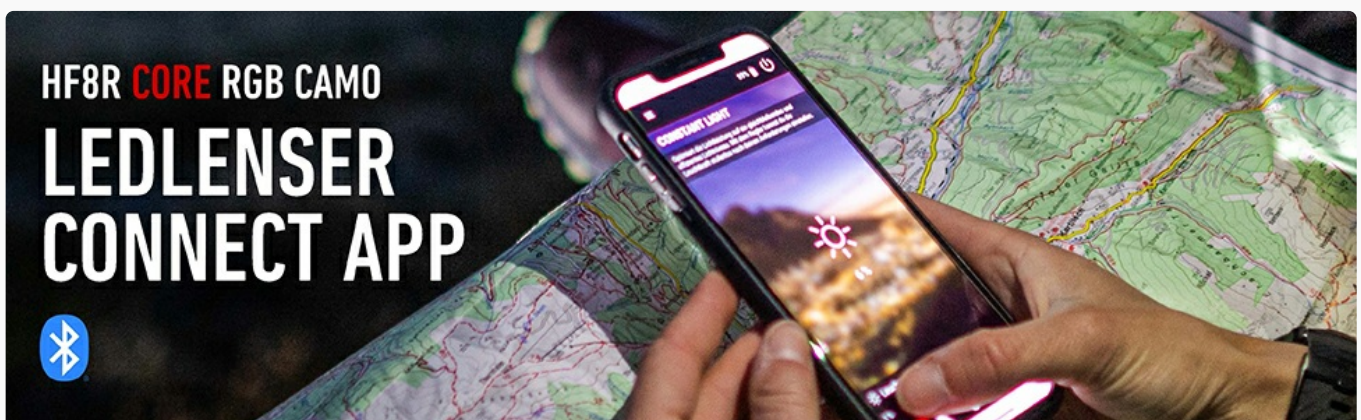


Figure 5: Manage your headlamp settings and profiles using the Ledlenser Connect App.

- **Magnetic Charging System:** Quick, easy, and safe charging via a magnetic contact.



Battery can be charged quickly
and easily via USB-C

INCLUDES

Comfort pad, connect adapter, magnetic
charging cable, universal mounting bracket

Figure 6: The magnetic charging system provides convenient and secure power replenishment.

- **IP68 Water Resistance:** Resistant to continuous immersion in water, making it suitable for use in challenging weather conditions.



**CONNECTING
SYSTEM**



**+ACTION
CAMERA
MOUNT**

The HF Series can be connected to a wide selection of accessories. Sold separately.



Bright, perfectly balanced light pattern for short and long range illumination

Suitable for continuous immersion in water IP68

Figure 7: The headlamp is IP68 rated, ensuring high resistance to dust and water.

Setup

1. Initial Charging

Before first use, fully charge your Ledlenser HF8R CORE RGB Headlamp. Connect the magnetic charging cable to the charging port on the headlamp and plug the USB-C end into a compatible power source. The charging indicator lights will show the charging status. A full charge typically takes several hours.

2. Wearing the Headlamp

Adjust the elastic headband to fit comfortably and securely around your head. The headlamp features a top band for added stability, especially during active use. Ensure the light unit is positioned correctly on your forehead.

3. Ledlenser Connect App (Optional)

For advanced control and customization, download the Ledlenser Connect App from your device's app store. Follow the in-app instructions to pair your headlamp via Bluetooth. This allows you to create custom light profiles and access additional features.

Operating Instructions

1. Power On/Off and Mode Selection

Press the main power button located on top of the headlamp to turn it on. Subsequent presses will cycle through different brightness modes (e.g., Low, Mid, High, Boost). To turn off the headlamp, press and hold the power button for approximately 2 seconds.

2. Adaptive Light Beam

The adaptive light beam feature automatically adjusts the brightness and focus based on the distance to objects in front of you. This allows for seamless hands-free operation. To activate or deactivate this feature, refer to the Ledlenser Connect App settings or specific button combinations outlined in the quick start guide.

3. Digital Advanced Focus System

The focus wheel, located on the bottom of the light unit, allows you to manually adjust the beam from a broad floodlight to a narrow spot beam. Rotate the wheel to achieve your desired light pattern.

4. Changing RGB Colors

The HF8R CORE RGB headlamp includes red, green, and blue light options. Use the rotary switch or the Ledlenser Connect App to switch between these colors. Each color serves different purposes, such as preserving night vision (red) or enhancing visibility in certain environments (green/blue).

5. Light Functions

In addition to standard brightness modes, the headlamp offers specialized light functions:

- **Power:** Standard high output.
- **Mid Power:** Balanced light output for general use.
- **Low Power:** Extended runtime for close-range tasks.
- **Boost:** Temporary maximum power for critical situations.
- **Strobe:** Disorienting flashes for self-defense or signaling.
- **SOS:** Morse code distress signal.
- **Blink:** Regular flashing for signaling or locating.

6. Transport Lock

To prevent accidental activation during transport or storage, the headlamp features a transport lock. Activate or deactivate this function by pressing and holding the power button for an extended period (refer to the quick start guide for exact timing). This will prevent the light from turning on unintentionally and draining the battery.

Maintenance

1. Cleaning

Wipe the headlamp and lens with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure the charging contacts are clean and dry before charging.

2. Battery Care

The Ledlenser HF8R CORE RGB Headlamp uses a built-in, non-replaceable Lithium-Ion battery. To prolong battery life:

- Charge the battery regularly, even if not in frequent use.
- Avoid fully discharging the battery before recharging.
- Store the headlamp in a cool, dry place when not in use for extended periods.

3. Water Resistance (IP68)

The headlamp is rated IP68, meaning it is dust-tight and protected against continuous immersion in water up to a specified depth and duration. While highly resistant, avoid intentional prolonged submersion beyond specified limits and ensure all seals are free from debris before exposure to water.

Troubleshooting

Problem	Possible Cause	Solution
Headlamp does not turn on.	Battery is depleted; Transport lock is active; Malfunction.	Charge the battery; Deactivate transport lock (press and hold power button); Contact support if problem persists.
Light flickers or dims unexpectedly.	Adaptive Light Beam reacting to environment (e.g., breath in cold); Low battery.	Adjust Adaptive Light Beam settings via app or disable it; Recharge battery.
Headlamp not charging.	Charging cable not properly connected; Dirty charging contacts; Faulty cable/charger.	Ensure secure connection; Clean contacts; Try a different USB power source or cable.
Ledlenser Connect App not connecting.	Bluetooth off; Headlamp not in pairing mode; App issue.	Ensure Bluetooth is enabled on your device; Follow app pairing instructions; Restart app/headlamp.

Specifications

Feature	Detail
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Feature	Detail
Brand	Ledlenser
Model Number	503089
Light Source Type	LED
Brightness	1600 Lumens (White)
Runtime	Up to 90 hours
Battery Type	1 Lithium Ion (included)
Charging System	Magnetic Charge System
Water Resistance Level	IP68 (Waterproof)
Material	Aluminum
Item Weight	6.8 Ounces
Product Dimensions	5.71"D x 4.72"W x 3.35"H
Special Features	Rechargeable, Adaptive Light Beam, Remote Control

Official Product Video

Your browser does not support the video tag.

Video 1: An official product video from Ledlenser USA showcasing the features and capabilities of the HF8R CORE RGB headlamp, including its adaptive light beam, digital advanced focus system, multicolor LEDs, and magnetic charging.

Warranty and Support

Your Ledlenser HF8R CORE RGB Headlamp comes with a **7-Year Guarantee**, reflecting our confidence in the craftsmanship and quality of our products. For warranty claims, technical support, or further assistance, please visit the official Ledlenser website or contact their customer service department. Keep your proof of purchase for warranty validation.

For more information, visit: www.ledlenserusa.com

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

Open the live page

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