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Ledlenser HF8R Core (502801)

Ledlenser HF8R Core Headlamp Instruction Manual

Model: HF8R Core (502801)

Introduction

Thank you for choosing the Ledlenser HF8R Core Headlamp. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your device. Please read this manual thoroughly before using the headlamp.

The Ledlenser HF8R Core is a hands-free, rechargeable headlamp designed for various activities, offering powerful illumination, adaptive light beam technology, and robust water resistance.

Safety Information

- Do not look directly into the light beam.
- Keep out of reach of children.
- Do not disassemble the headlamp; this will void the warranty.
- Use only the provided magnetic charging cable for recharging.
- Ensure the charging port is clean and dry before charging.
- Avoid extreme temperatures and direct sunlight during storage.

Product Overview



Figure 1: Ledlenser HF8R Core Headlamp. This image shows the overall design of the headlamp, including the main light unit, adjustable strap, and top strap for secure fit.

The HF8R Core headlamp features a robust aluminum housing and is designed for hands-free operation with its Adaptive Light Beam technology. It includes a powerful main LED, a red light function, and a Digital Advanced Focus System for seamless beam adjustment.



Figure 2: Adaptive Light Beam and Digital Advanced Focus System. This illustration highlights the automatic dimming and focusing capabilities, along with the seamless focus wheel for different light ranges. The lamp head can be tilted up to 45 degrees.



Figure 3: Magnetic Charging System and Controls. This image details the magnetic charging port, the focus wheel, and the battery level indicator lights on the headlamp unit.

Setup

1. Initial Charge

Before first use, fully charge the headlamp. Connect the magnetic charging cable to the charging port on the headlamp and plug the USB end into a compatible power source (e.g., USB wall adapter, computer USB port). The battery indicator lights will show charging progress.

2. Adjusting the Headband

Place the headlamp on your head. Adjust the elastic headband for a comfortable and secure fit. The HF8R Core includes a top strap for added stability, which can be adjusted as needed.

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 HF8R Core headlamp via Bluetooth. This allows remote control of light functions and

settings.

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Video 1: Ledlenser HF8R Core Headlamp Overview. This video demonstrates the key features and functionalities of the HF8R Core headlamp, including its adaptive light beam, digital advanced focus system, magnetic charging, and app connectivity.

Operating Instructions

1. Power On/Off and Light Modes

Press the main power button on top of the headlamp to turn it on. Subsequent presses will cycle through different light modes (e.g., Power, Mid Power, Low Power, Red Light). Hold the button to turn off the headlamp.



Figure 4: Light Functions and Performance. This graphic illustrates the various light modes available, including Power, Mid Power, Low Power, Red, Boost, and SOS. It also shows the performance range: 20-1600 Lumens, 25-210m Beam Distance, and 3.5-90h Run Time.

2. Adaptive Light Beam

The HF8R Core features patent-pending Adaptive Light Beam technology, which automatically dims and focuses the light based on your surroundings. This provides hands-free illumination tailored to your needs, whether you're looking

far ahead or at close-up tasks.

3. Digital Advanced Focus System

Use the focus wheel located on the bottom of the headlamp to manually adjust the beam from a wide floodlight to a narrow spot beam. This system allows for virtually seamless focusing and an ideal light pattern for different ranges.

4. Red Front Light

Activate the red front light mode for maintaining night vision or for signaling. Red light is less disruptive to natural night adaptation of the eyes.

5. Transport Lock

To prevent accidental activation during transport or storage, engage the transport lock. Refer to the Ledlenser Connect App or specific button sequence in the full user manual for activation instructions.

Maintenance

1. Cleaning

Wipe the headlamp with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure the magnetic charging contacts are clean and free of debris.

2. Charging

Recharge the headlamp regularly, especially after prolonged use or if the battery indicator shows low power. The magnetic charging system ensures easy and safe charging.

3. Storage

Store the headlamp in a cool, dry place away from direct sunlight. For long-term storage, it is recommended to charge the battery to approximately 50% every few months to maintain battery health.

4. Water Resistance (IP68)

The HF8R Core is rated IP68, meaning it is suitable for continuous immersion in water up to 1.5 meters for 30 minutes. Ensure the magnetic charging port is dry before charging after water exposure.



Figure 5: Connecting System and IP68 Water Resistance. This image shows the headlamp's compatibility with various accessories (sold separately) and highlights its IP68 rating, indicating resistance to continuous immersion in water.

Troubleshooting

Problem	Possible Cause	Solution
Headlamp does not turn on.	Battery is depleted. Transport lock is engaged.	Charge the headlamp. Deactivate transport lock (refer to full manual or app).
Light output is dim.	Low battery. Lens is dirty.	Recharge the headlamp. Clean the lens with a soft cloth.
Cannot connect to Ledlenser Connect App.	Bluetooth is off. Headlamp is out of range. App needs restart.	Ensure Bluetooth is enabled on your device. Move closer to the headlamp. Close and reopen the app.

Problem	Possible Cause	Solution
Magnetic charging not working.	Charging contacts are dirty or wet. Cable is damaged.	Clean and dry charging contacts. Try a different charging cable if available.

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

Specifications

Feature	Detail
Model	HF8R Core (502801)
Light Output (Max)	1600 Lumens
Beam Distance (Max)	210 Meters
Run Time	3.5 - 90 hours (depending on mode)
Water Resistance	IP68 (Resistant to continuous immersion in water)
Battery Type	1 x Lithium Polymer (included)
Charging System	Magnetic Charge System
Material	Aluminum
Weight	6.8 Ounces (approx. 193g)
Special Features	Adaptive Light Beam, Digital Advanced Focus System, Red Light, Bluetooth Connectivity (Ledlenser Connect App)

Warranty and Support

Ledlenser products are known for their quality and durability. The HF8R Core headlamp comes with a standard warranty. Please refer to the official Ledlenser website or your purchase documentation for detailed warranty terms and conditions.

For technical support, warranty claims, or further assistance, please visit the official Ledlenser website or contact their customer service department. You can often find FAQs and additional resources online.

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