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› Ledlenser HF6R Core Rechargeable Headlamp Instruction Manual

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Ledlenser HF6R Core Rechargeable Headlamp

INSTRUCTION MANUAL

Model: HF6R Core

1. Introduction

The Ledlenser HF6R Core is a versatile, rechargeable headlamp designed for hands-free illumination in various environments. It features a slim profile, robust construction, and advanced lighting technologies to provide reliable performance. This manual provides essential information for the proper setup, operation, and maintenance of your headlamp.



Image 1: Ledlenser HF6R Core Headlamp, front view.

Key Features:

- Slim, rechargeable design with multiple brightness levels and a red front light.
- Digital Advanced Focus System for seamless beam adjustment.
- Optimized light pattern for both short and long-range visibility.

- IP68 water resistance, suitable for continuous immersion.
- Powerful, easily rechargeable battery via Magnetic Charge System with status indicator.

2. Setup

2.1 Charging the Battery

Before first use, fully charge the headlamp. The HF6R Core uses a magnetic charging system for convenience.

1. Connect the magnetic charging cable (USB-C) to a compatible USB power source.
2. Attach the magnetic end of the cable to the charging port on the headlamp. Ensure a secure connection.
3. The battery level indicator lights will show the charging progress. All lights illuminated indicate a full charge.



Image 2: Headlamp connected to the magnetic charging cable, showing battery level indicators.

2.2 Adjusting the Headband

The elastic headband is adjustable to ensure a comfortable and secure fit on your head or over a helmet.

- Place the headlamp on your head.
- Adjust the straps using the buckles until the headlamp feels snug but not too tight.
- The headlamp unit can be tilted up to 45 degrees to direct the light beam as needed.

3. Operating Instructions

3.1 Power On/Off and Brightness Modes

The headlamp features multiple light modes for various situations.

MIN - MAX — ☀ 20 - 800 Lumens ➡ 25 - 160m Beam Distance ⌚ 3 - 60h Run Time

1.5 oz.



LIGHT FUNCTIONS

Power



Mid Power



Low Power



Boost



Red



Image 3: Diagram illustrating the different light functions and their respective lumen outputs and run times.

- **To Turn On:** Press the power button once. The headlamp will typically turn on in the last used white light mode.
- **To Cycle White Light Modes:** Press the power button repeatedly to cycle through Power, Mid Power, and Low Power modes.
- **Boost Mode:** A quick double-press of the power button activates Boost mode for maximum brightness. This mode is temporary.
- **Red Light:** To activate the red light, press and hold the power button for approximately 2 seconds from the OFF state. Press again to turn off.
- **To Turn Off:** From any mode, press and hold the power button until the light turns off. A single press after a few seconds in any mode will also turn it off.

3.2 Digital Advanced Focus System

The headlamp features an intuitive focus wheel for seamless adjustment between a broad floodlight and a concentrated spot beam.

HF6R CORE



DIGITAL ADVANCED FOCUS SYSTEM

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



45° step less tilting lamp head

Image 4: Close-up of the headlamp showing the Digital Advanced Focus System wheel and the 45-degree tilting lamp head.

- Rotate the focus wheel located on the front of the headlamp to adjust the beam.
- Turn the wheel clockwise for a narrow, focused beam (spotlight).
- Turn the wheel counter-clockwise for a wide, diffused beam (floodlight).

4. Maintenance

4.1 Cleaning

To maintain optimal performance, keep your headlamp clean.

- Wipe the lens and body with a soft, damp cloth.
- Avoid using abrasive cleaners or solvents, as these can damage the surfaces.
- Ensure the charging port is free of debris before charging.

4.2 Water Resistance (IP68)

The HF6R Core is rated IP68, meaning it is protected against dust ingress and continuous immersion in water up to a specified depth and duration.

- Ensure the charging port cover (if applicable) is properly sealed before exposing the headlamp to water.
- After exposure to saltwater, rinse the headlamp with fresh water and dry thoroughly.



**CONNECTING
SYSTEM**



**+ACTION
CAMERA
MOUNT**

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



Bright and perfectly balanced light pattern
Suitable for continuous immersion in water IP68



**TEMPERATURE
CONTROL SYSTEM**

Image 5: Features including IP68 water resistance and Temperature Control System.

4.3 Battery Care

The headlamp uses a built-in Lithium Polymer battery.

- Recharge the battery regularly, even if not in frequent use, to prolong its lifespan.
- Avoid storing the headlamp with a completely depleted battery for extended periods.
- Store in a cool, dry place.

5. Troubleshooting

If you encounter issues with your Ledlenser HF6R Core, consider the following:

- **Headlamp not turning on:** Ensure the battery is charged. Connect to the charger and check the battery indicator.

- **Dim light output:** The battery may be low. Recharge the headlamp.
- **Charging issues:** Verify the magnetic cable is securely connected to both the headlamp and the power source. Try a different USB power source.
- **Inconsistent focus:** Ensure the focus wheel is clean and free of obstructions.

For persistent issues, refer to the warranty and support section.

6. Specifications

Feature	Detail
Model	HF6R Core
Item Model Number	502797
UPC	847706103341
Special Features	Adjustable Focus, Adjustable Light Modes, High Power, Rechargeable
Color	White
Power Source	Battery Powered
Light Source Type	Xtreme LED
Material	Aluminum
White Brightness	Up to 800 Lumens
Product Dimensions	3.34"D x 2.83"W x 8.2"H
Voltage	3.7 Volts
Battery Cell Composition	Lithium Ion / Lithium Polymer
Item Weight	4.4 Ounces
Water Resistance Level	IP68 (Water Resistant)
Included Components	Headlamp

7. Warranty and Support

The Ledlenser HF6R Core Headlamp comes with a **7-year full warranty**, ensuring long-term reliability and customer satisfaction. For warranty claims, technical support, or further inquiries, please contact Ledlenser customer service or visit the official Ledlenser website.

You can find more information and support resources at the [Ledlenser Store on Amazon](#).

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

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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