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## Ledlenser HF4R Core

# Ledlenser HF4R Core Head Torch User Manual

Model: HF4R Core

## INTRODUCTION

The Ledlenser HF4R Core Head Torch is a lightweight, rechargeable LED headlamp designed for various outdoor activities such as camping, hiking, fishing, and running. It provides hands-free illumination with advanced LED technology, including a red light function and a versatile spot-to-flood beam. This manual provides essential information for the safe and effective use of your HF4R Core Head Torch.

## SAFETY INSTRUCTIONS

- **Eye Safety:** Do not look directly into the light beam or shine it into the eyes of others. The bright LED light can cause temporary vision impairment.
- **Children:** Keep the head torch out of reach of children. This product is not a toy.
- **Battery Safety:** The device contains a rechargeable Lithium-Ion battery. Do not attempt to replace the battery yourself. Do not expose the battery to extreme temperatures, direct sunlight, or fire. Do not short-circuit the battery.
- **Charging:** Only use the provided USB-C magnetic charging cable. Ensure the charging port is clean and dry before connecting the cable.
- **Water Resistance:** The HF4R Core is IP68 rated for water and dust protection. While it is waterproof, avoid prolonged submersion beyond specified limits. Ensure the charging port cover is securely closed when not charging.
- **Maintenance:** Do not attempt to disassemble or modify the head torch. Refer all servicing to qualified personnel.

## PACKAGE CONTENTS

Please check that all items are present and in good condition:

- Ledlenser HF4R Core Head Torch
- Integrated Rechargeable Battery
- USB-C Magnetic Charging Cable

- User Manual

## PRODUCT OVERVIEW



Front view of the Ledlenser HF4R Core Head Torch, showing the main light and headband.

### Quick Charging

Fully charges in 180 minutes with the innovative USB-C to Magnetic Charge System.



### Battery Status

Battery lasts up to 35 hours and has a status indicator to keep you informed.

The HF4R Core is lightweight (72g) and IP68 waterproof, suitable for all weather conditions.

The HF4R Core Head Torch features a compact design with an adjustable headband. It incorporates two white LEDs for versatile lighting and a red LED for preserving night vision. The lamp head can be tilted to direct the light as needed.

### Key Features:

- **Lightweight Design:** Weighs only 72 grams for enhanced comfort and portability.
- **Waterproof (IP68):** Provides high-level protection against dust and water ingress, ensuring reliability in all weather conditions.
- **Multiple Light Modes:** Offers four white light intensity settings (Boost, High Power, Mid Power, Low Power) and a Red Light mode.
- **45° Tilting Lamp Head:** Allows for precise adjustment of the beam direction.
- **Spot to Flood Function:** Seamless transition between a uniform flood beam for close-range illumination and a sharply focused spot beam for long-range visibility up to 130 meters.
- **USB-C Magnetic Charging System:** Convenient and quick recharging of the integrated battery.
- **Battery Status Indicator:** Keeps you informed of the remaining power level.

## SETUP

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### 1. Charging the Battery



The head torch charging via its USB-C magnetic cable, with the battery status indicator visible.

1. Locate the magnetic charging port on the underside of the head torch.
2. Connect the USB-C magnetic charging cable to the port. The magnetic connector will snap into place.

3. Plug the USB-C end of the cable into a compatible USB power source (e.g., wall adapter, computer USB port).
4. The battery status indicator lights will illuminate to show the charging progress. A full charge typically takes approximately 180 minutes.
5. Once fully charged, disconnect the cable and ensure the charging port is free of debris.

## 2. Adjusting the Headband

The elastic headband is adjustable to ensure a comfortable and secure fit on your head or over a helmet. Simply slide the buckles on the strap to tighten or loosen it until it fits snugly without being too tight.

## OPERATING INSTRUCTIONS

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### 1. Power On/Off

- To turn the head torch **ON**, press the power button located on the top of the lamp head.
- To turn the head torch **OFF**, press and hold the power button for approximately 2 seconds.

### 2. Switching Light Modes

## Lightweight (72g)

Enhanced comfort and portability making it ideal for various activities like hiking, dog walking, running and camping.



## Waterproof

IP68 rating provides high level protection; offering unmatched reliability in all weather conditions.

Illustration of the five available light modes and their respective lumen outputs.

With the head torch ON, short press the power button to cycle through the white light modes:

1. **Low Power (20 lm):** Extended battery life, suitable for close-range tasks.
2. **Mid Power (120 lm):** Balanced brightness for general use.
3. **High Power (300 lm):** Strong illumination for demanding tasks.
4. **Boost (500 lm):** Maximum brightness for a short burst, activated by a quick double-press of the power button. The light will return to the previous mode after a few seconds.

### 3. Activating Red Light



LEDSLenser



Using the red light mode to preserve night vision, ideal for camping or stargazing.

To activate the red light mode:

- From the OFF state, press and hold the power button for approximately 1 second until the red light illuminates.
- To switch back to white light or turn off, press the power button again.

#### 4. Tilting the Lamp Head

The lamp head can be tilted up to 45 degrees downwards. Gently push the lamp head to adjust its angle, directing the light precisely where it is needed.

#### 5. Spot to Flood Function



## Spot To Flood Function

Easy transition from uniform flood beam to sharply focused spot beam with a range of up to 130 m.



## 5 Light Modes

- Boost (500 lm)
- High Power (300 lm)
- Mid Power (120 lm)
- Low Power (20 lm)
- Red Light



The head torch offers an easy transition between a wide flood beam and a focused spot beam.

The HF4R Core automatically adjusts its beam pattern to provide either a wide floodlight for close-up tasks or a focused spot beam for distance illumination. This function is integrated into the light modes, optimizing the light distribution for your activity.

## MAINTENANCE

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### 1. Cleaning

- Wipe the head torch with a soft, damp cloth to remove dirt and debris.
- Do not use abrasive cleaners or solvents, as these can damage the housing or lens.
- Ensure the charging port is clean and dry before charging.

### 2. Storage

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

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Head torch does not turn on.	Battery is depleted.	Recharge the battery using the provided USB-C magnetic charging cable.
Light is dim or flickers.	Low battery level.	Recharge the battery.
Head torch does not charge.	Charging cable not properly connected or faulty. Charging port is dirty.	Ensure the magnetic charging cable is securely connected. Try a different USB power source. Clean the charging port gently with a dry cotton swab.
Red light does not activate.	Incorrect activation sequence.	Ensure the head torch is OFF, then press and hold the power button for approximately 1 second.

## SPECIFICATIONS

Feature	Detail
Brand	Ledlenser
Model	HF4R Core
Part Number	502790
Light Output (Max)	500 Lumens (Boost Mode)
Light Source Type	LED
Power Source	Rechargeable Lithium-Ion Battery
Battery Life (Max)	Up to 35 hours (Low Power Mode)
Charging Time	Approx. 180 minutes
Weight	72 Grams (2.54 ounces)
Water Resistance	IP68 (Waterproof and Dustproof)
Material	Aluminum
Dimensions (D x W x H)	1.65" x 1.65" x 1.65"
Special Features	Adjustable Light Modes, Red Light, Lightweight, Rechargeable, Weatherproof, Tilting Head

## WARRANTY

The Ledlenser HF4R Core Head Torch comes with a **7-year manufacturer's warranty**. This warranty

covers defects in manufacturing. To ensure your warranty is registered and valid, please refer to the official Ledlenser website or contact customer support for details on product registration.

## **SUPPORT**

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For further assistance, technical support, or warranty claims, please visit the official Ledlenser website or contact their customer service department. You can find more information and support resources by visiting the [Ledlenser Store on Amazon](#).