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Ledlenser HF6R Signature

Ledlenser HF6R Signature Headlamp User Manual

Model: HF6R Signature
Brand: Ledlenser

1. Introduction

The Ledlenser HF6R Signature is a slim, powerful, and rechargeable headlamp designed for various activities, offering up to 1000 lumens of bright illumination. It features a virtually seamless focusing system, multiple light modes including red, green, and blue front light, and is built to withstand continuous immersion in water with its IP68 rating. The comfortable headband includes reflective elements for added safety, and the device is easily rechargeable via its Magnetic Charge System.



Front view of the Ledlenser HF6R Signature Headlamp, showcasing its compact design and light modules.

2. Setup

2.1 Unpacking

Carefully remove all components from the packaging. Ensure all items listed in the 'What's in the Box' section are present.

2.2 Initial Charge

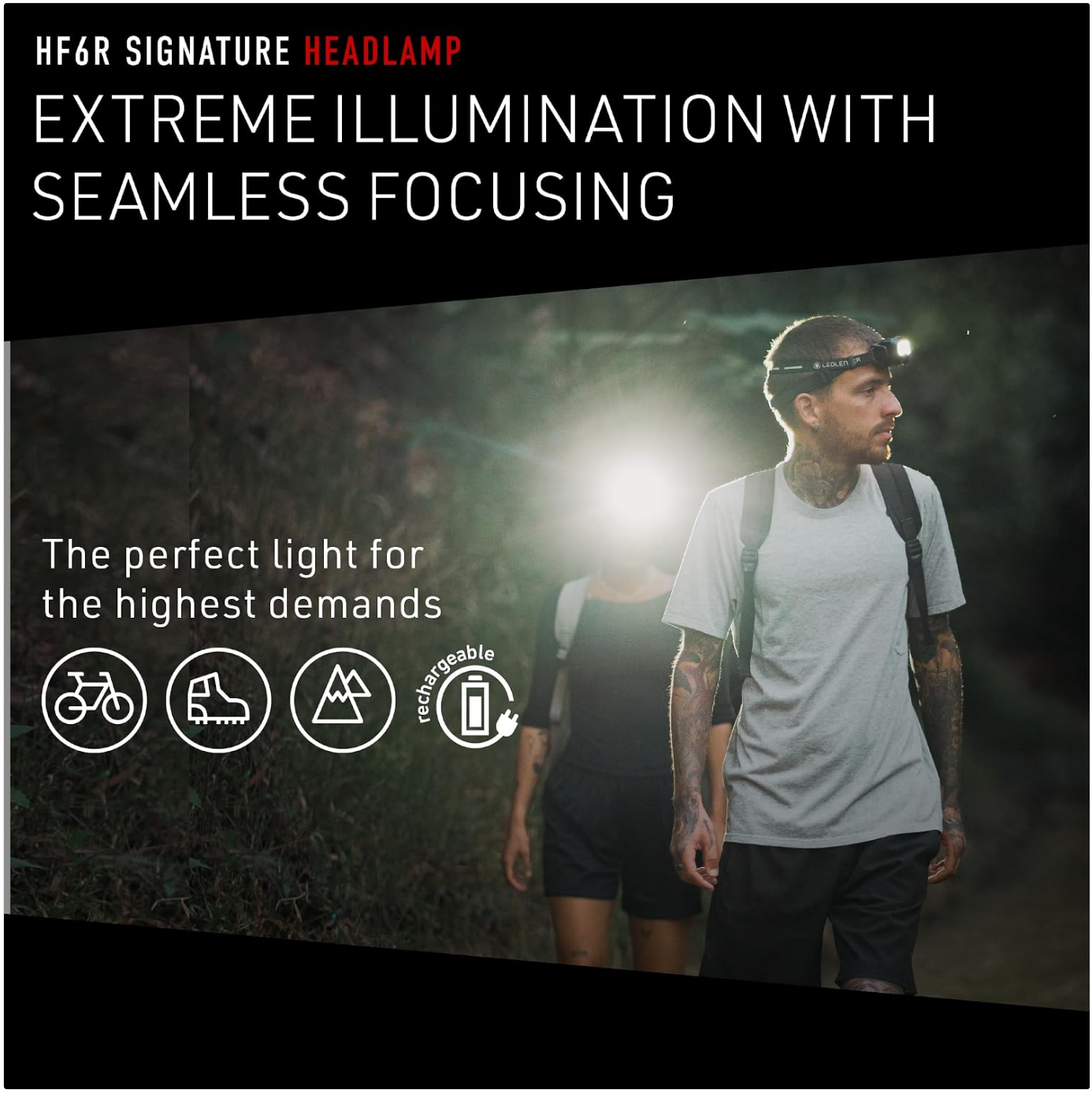
Before first use, fully charge the headlamp. Connect the magnetic charging cable to the headlamp's magnetic contact point. The battery status indicator will show charging progress.



The Ledlenser HF6R Signature Headlamp connected to its magnetic charging cable, showing the battery level indicator.

2.3 Adjusting the Headband

Adjust the comfortable headband to ensure a secure and snug fit on your head. The reflective elements on the headband enhance visibility in low-light conditions.



A person wearing the Ledlenser HF6R Signature Headlamp, demonstrating its comfortable and secure fit during outdoor activity.

3. Operating Instructions

3.1 Powering On/Off and Light Modes

Press the main button to cycle through different white light modes (Power, Mid Power, Low Power). Double-click for Boost mode (1000 lumens, temporary). The Signature model also features red, green, and blue front light options, which can be selected based on lighting needs and situations.



An illustration detailing the various light functions available on the headlamp, including different power levels and RGB options.



A user demonstrating the red light mode of the headlamp in a dark environment.



A user demonstrating the blue light mode of the headlamp in a dark environment.

3.2 Digital Advanced Focus System

The headlamp features a patent-pending Digital Advanced Focus System. Use the intuitive Focus Wheel to adjust the beam from a broad floodlight to a sharp spotlight, providing virtually seamless focusing for different ranges.



Visual representation of the Digital Advanced Focus System, showing how the seamless focus wheel adjusts the light beam.

Official product video demonstrating the features of the Ledlenser HF6R Signature Headlamp, including its focusing capabilities, light modes, and charging system.

3.3 Temperature Control System

The integrated Temperature Control System prevents the headlamp from overheating, ensuring optimal performance and longevity of the LEDs and battery.



Icon indicating the presence of a Temperature Control System for safe operation.

4. Maintenance

4.1 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.

4.2 Water Resistance (IP68)

The HF6R Signature is IP68 rated, meaning it is suitable for continuous immersion in water up to 1.5 meters for 30 minutes. After exposure to water, especially saltwater, rinse with fresh water and dry thoroughly.



The headlamp shown partially submerged in water, highlighting its IP68 water resistance rating.

5. Troubleshooting

5.1 Light Not Turning On

- Check battery level: Ensure the headlamp is sufficiently charged.
- Charging connection: Verify the magnetic charging cable is properly connected and making contact.
- Button functionality: Ensure the power button is not stuck or obstructed.

5.2 Dim Light Output

- Battery level: A low battery can result in reduced brightness. Recharge the headlamp.
- Selected mode: Ensure the headlamp is not in a low power mode. Cycle through modes to increase brightness.

- Lens cleanliness: Clean the lens if it is dirty or smudged.

5.3 Charging Issues

- Cable connection: Ensure the magnetic charging cable is firmly attached to the headlamp and the USB-C end is securely plugged into a power source.
- Power source: Try a different USB power adapter or port.
- Contacts: Clean the magnetic charging contacts on both the headlamp and the cable.

6. Specifications

Feature	Specification
Brand	Ledlenser
Model Number	502799
Style	HF6R Signature
Color	Black
Material	Aluminum
Light Source Type	Xtreme LED
Brightness	Up to 1000 Lumens (Boost Mode), 500 Lumens (Normal Max)
Light Path Distance	140 Meters
Runtime	3 hours (on higher settings, up to 60 hours on lowest)
Power Source	Battery Powered (1 Lithium Polymer battery included)
Water Resistance Level	IP68 (Suitable for continuous immersion in water)
Item Weight	4.8 Ounces
Product Dimensions	3.34"D x 2.83"W x 8.26"H

7. What's in the Box

- Ledlenser HF6R Signature Headlamp
- Magnetic Charging Cable (USB-C)
- Comfort Pad
- Connect Adapter

8. Warranty and Support

The Ledlenser HF6R Signature Headlamp comes with a Full Warranty. For specific warranty details, claims, or technical support, please refer to the official Ledlenser website or contact their customer service directly. Additional protection plans may be available from your retailer.

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