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› SUNREI H150 Rechargeable LED Headlamp with Clip, 150 Lumens, 600 mAh User Manual

## SUNREI H150

# SUNREI H150 Rechargeable LED Headlamp

Model: H150 | Brand: SUNREI

### INTRODUCTION

The SUNREI H150 is a versatile and lightweight rechargeable LED headlamp designed for various outdoor activities and manual tasks. It features multiple lighting modes, a motion sensor for convenient operation, and a durable, water-resistant design. This manual provides essential information for the safe and effective use of your headlamp.



Image: The SUNREI H150 headlamp showing its compact dimensions (2 inches length, 2.36 inches width, 0.9 inches height).

## SETUP

### 1. Unpacking and Initial Charge

Carefully remove the headlamp, adjustable headband, and Type-C charging cable from the packaging. Before first use, fully charge the headlamp using the provided Type-C cable and a standard USB power source (e.g., wall adapter, power bank, computer USB port). The charging indicator light will show charging status.

### 2. Wearing Methods

The H150 headlamp offers two primary wearing methods:

- **Head-Mounted:** Attach the adjustable headband to the headlamp. Place the headband around your head and adjust for a comfortable, secure fit.
- **Cap-Clip:** Use the integrated clip on the back of the headlamp to securely attach it to the brim of a cap or hat.

# PRODUCT SIZE



Image: Illustration of the two wearing methods: head-mounted with the adjustable strap and clipped onto a cap brim.

## OPERATING INSTRUCTIONS

### 1. Conventional Mode

Press the power button (labeled with a power icon) to cycle through the white light modes. A brief press will change the mode. The sequence is typically: **Medium > High > Low > Red Light > Flashing Red Light > Off**. Hold the power button to turn off the light from any mode.

### 2. Sensing Mode (Motion Sensor)

To activate the motion sensor, first turn on the headlamp in conventional mode. Then, press the induction switch (labeled with a wave icon). The induction light (small white light) will come on, indicating the sensing mode is active. In sensing mode, you can wave your hand in front of the headlamp to turn it on or off without pressing buttons. The light modes (Medium, High, Low, Red, Flashing Red) can also be cycled through in sensing mode by pressing the power button.

# 0-90° Adjustable Angle

light from any angle



Image: Diagram illustrating the sequence of light modes in both Conventional and Sensing modes.

# Motion sensor



Image: The headlamp demonstrating its motion sensor capability, allowing hands-free operation.

### 3. Adjustable Angle

The headlamp features a 0-90° adjustable angle. This allows you to direct the light precisely where needed, enhancing visibility and convenience during use.

# INTELLIGENT SWITCH, INDEPENDENT BUTTON



Image: The headlamp's adjustable hinge, allowing the light to be angled up to 90 degrees.

## MAINTENANCE

### 1. Charging

The headlamp is equipped with a 600mAh lithium battery. Recharge the battery using the provided Type-C cable when the light dims or turns off. A full charge takes approximately 1 hour and provides up to 27 hours of operation depending on the mode used.

### 2. Water Resistance

The SUNREI H150 headlamp has an IPX5 water resistance rating, meaning it is protected against low-pressure water jets from any direction. This makes it suitable for use in rainy or wet conditions. However, it is not designed for submersion in water.



# IPX5 WATERPROOF

Prevent bad weather and be fearless of wind and rain



Image: The headlamp being splashed with water, illustrating its IPX5 waterproof capability.

## 3. Cleaning and Storage

Clean the headlamp with a soft, damp cloth. Do not use abrasive cleaners or solvents. Store the headlamp in a cool, dry place away from direct sunlight and extreme temperatures. If storing for an extended period, charge the battery every 3-6 months to maintain its lifespan.

## TROUBLESHOOTING

| Problem                       | Possible Cause                             | Solution                                                                                           |
|-------------------------------|--------------------------------------------|----------------------------------------------------------------------------------------------------|
| Headlamp does not turn on.    | Battery is depleted.                       | Charge the headlamp fully.                                                                         |
| Light is dim.                 | Low battery level.                         | Recharge the battery.                                                                              |
| Motion sensor not responding. | Sensing mode not activated or obstruction. | Ensure sensing mode is active (induction light on). Clear any obstructions in front of the sensor. |
| Headlamp not charging.        | Faulty cable or power source.              | Try a different Type-C cable or USB power adapter. Ensure the charging port is clean.              |

## SPECIFICATIONS

| Feature                    | Detail                                |
|----------------------------|---------------------------------------|
| Model Number               | SU-H150-Red                           |
| Light Source Type          | LED                                   |
| White Brightness           | 150 Lumens                            |
| Light Source Power         | 3 Watts                               |
| Battery Type               | 600mAh Lithium Polymer (Rechargeable) |
| Charging Port              | Type-C                                |
| Max Runtime                | Up to 27 Hours                        |
| Special Feature            | Motion Sensor                         |
| Water Resistance Level     | IPX5 (Waterproof)                     |
| Material                   | ABS Plastic                           |
| Color                      | Red                                   |
| Product Dimensions (DxWxH) | 6.1 x 5.1 x 2.5 cm                    |
| Included Components        | Headband, Charging Cable              |
| Mounting Type              | Head Mount / Clip-on                  |

## WARRANTY INFORMATION

Specific warranty details for the SUNREI H150 headlamp are not provided in the available product data. Please refer to the product packaging or contact the retailer for warranty terms and conditions.

## CUSTOMER SUPPORT

Contact information for customer support is not provided in the available product data. For assistance, please refer to the retailer's support channels or visit the official SUNREI website if available.