**sofirn SC13 Flashlight with H35R Headlamp**

# Sofirn SC13 Flashlight and H35R Headlamp User Manual

Model: SC13 Flashlight with H35R Headlamp

## 1. INTRODUCTION

Thank you for purchasing the Sofirn SC13 Flashlight and H35R Dual Color Headlamp bundle. This manual provides detailed instructions for the safe and efficient use, setup, operation, and maintenance of your new lighting devices. Please read this manual thoroughly before use and retain it for future reference.

The H35R headlamp is designed for versatility, offering powerful white light and a specialized 660nm deep red light, suitable for various outdoor and indoor activities. The SC13 flashlight provides a compact and reliable illumination source.



*Image 1.1: The Sofirn SC13 Flashlight and H35R Headlamp bundle, including the headlamp, a compact flashlight, and two USB-C charging cables.*

## 2. Safety Instructions

- **Eye Safety:** Do not shine the light directly into eyes. The powerful beam can cause temporary vision impairment or permanent eye damage.

- **Children:** Keep out of reach of children. This product is not a toy.

- **Heat:** The headlamp and flashlight may become hot during prolonged use at high output levels. Avoid direct contact with hot surfaces to prevent burns.

- **Battery Safety:** Use only recommended batteries. Do not disassemble, puncture, or short-circuit the battery. Dispose of batteries properly.

- **Charging:** Use the provided USB-C cable for charging. Do not attempt to charge with damaged cables or chargers.

- **Disassembly:** Do not attempt to disassemble or modify the headlamp or flashlight, as this may void the warranty and pose safety risks.

## 3. Package Contents

Please check the package for the following items:

- Sofirn H35R Dual Color Headlamp
- Sofirn SC13 Flashlight
- Adjustable Headband for H35R
- USB-A to USB-C Charging Cable (for H35R)
- USB-A to USB-C Charging Cable (for SC13)
- User Manual

*Image 3.1: The complete bundle showing the H35R headlamp, SC13 flashlight, and two USB-C charging cables. The headlamp is also shown with both white and red light activated.*

# 4. PRODUCT OVERVIEW

## 4.1 Sofirn H35R Headlamp Features

- **Dual Color Output:** White light (up to 1500 Lumens) and 660nm Deep Red Light.
- **Beam Distance:** Up to 112 meters for white light.
- **Water Resistance:** IPX6 waterproof rating.
- **Durability:** Impact resistant.
- **Adjustable Angle:** 180-degree adjustable headlamp body.
- **Charging:** Built-in USB-C rechargeable port with power indicator.
- **Lightweight:** Weighs approximately 80g (2.82oz).

*Image 4.1: The H35R headlamp highlighting its lightweight design (2.82oz) and the ability to adjust the light angle by 180 degrees for optimal illumination.*

## 4.2 Sofirn SC13 Flashlight Features

- Compact and portable design.
- Reliable illumination for everyday carry.
- USB-C rechargeable.

# 5. Setup

## 5.1 Initial Charging

Before first use, fully charge both the H35R headlamp and the SC13 flashlight.

1. Locate the hidden USB-C charging port on each device. For the H35R, this is typically under a rubber flap.

2. Connect the provided USB-C charging cable to the device and plug the USB-A end into a standard USB power adapter (not included) or a computer USB port.

3. The power indicator light will show **red** during charging.

4. Once fully charged, the indicator light will turn**green**.

5. Disconnect the charging cable and ensure the rubber flap (if present) is securely closed to maintain water resistance.



BUILT-IN TYPE-C CHARGING PORT

● charging   ● fully charged

*Image 5.1: Close-up view of the H35R headlamp's built-in USB-C charging port. The image illustrates the charging indicator: red for charging and green for a full charge.*

## 5.2 Headband Adjustment (H35R)

The H35R headlamp comes with a high-elastic adjustable strap for comfortable wear.

1. Place the headlamp on your head.

2. Adjust the buckle on the strap to achieve a snug yet comfortable fit. The strap is designed to fit head sizes from 12.6 to 35.4 inches.
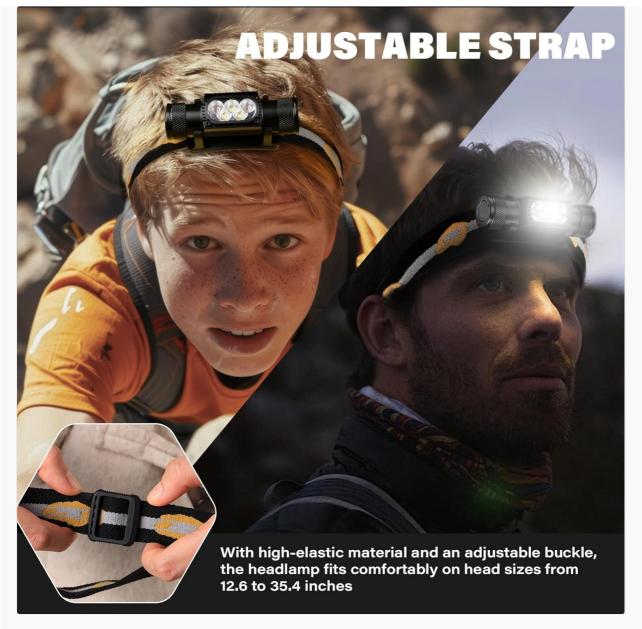
*Image 5.2: The adjustable strap of the H35R headlamp, demonstrating how to use the buckle to customize the fit for various head sizes.*

# 6. OPERATING INSTRUCTIONS

## 6.1 H35R Headlamp Operation

The H35R headlamp features a single button for all operations.

- **Turn On White Light:** Click the button once.

- **Turn On Red Light:** Long press the button from OFF.

- **Cycle White Light Modes:** When the white light is ON, long press the button to cycle through Moonlight → Low → Medium → High → Turbo. Release the button at the desired mode.

- **Cycle Red Light Modes:** When the red light is ON, long press the button to cycle through its available modes (e.g., Moonlight Red → Low Red → Medium Red → High Red → Turbo Red). Release the button at the desired mode.

- **Turn Off:** Click the button once from any ON state.

- **Switch Between White/Red:** From ON, double-click the button to switch between white and red light modes.

*Image 6.1: The H35R headlamp demonstrating its various white light modes (Moon, Low, Medium, High, Turbo) and red light modes (Moon, Low, Medium, High, Turbo). The headlamp is shown emitting a bright white beam.*

*Image 6.2: A person standing on a path in a forest, illuminated by the 660nm deep red light from the H35R headlamp, demonstrating its night vision-friendly properties.*

## 6.2 SC13 Flashlight Operation

Specific operating instructions for the SC13 flashlight are typically similar to other Sofirn compact flashlights. Generally:

- **Turn On/Off:** Single click the tail switch or side switch (depending on model variant).
- **Change Modes:** With the light ON, long press the switch to cycle through brightness levels.
- **Special Modes:** Double-click for Turbo, triple-click for Strobe/SOS (may vary).

## 7. MAINTENANCE

- **Cleaning:** Clean the body of the headlamp and flashlight with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Threads:** Periodically lubricate the threads of the battery cap (if removable) with silicone grease to ensure smooth operation and maintain water resistance.
- **O-rings:** Check O-rings for wear and tear. Replace if damaged to maintain water resistance.
- **Charging Port:** Keep the USB-C charging port clean and free of debris. Ensure the rubber cover is

properly sealed when not charging.

- **Storage:** Store the devices in a cool, dry place when not in use for extended periods. Recharge every 3-6 months to maintain battery health.



*Image 7.1: The H35R headlamp shown in a wet environment, highlighting its IPX6 waterproof rating and impact resistance, ensuring durability in challenging conditions.*

## 8. TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|---------|---------------|----------|
| Light does not turn on | Low battery; Lockout mode activated; Loose connections (if applicable) | Charge the battery; Deactivate lockout mode (refer to specific model instructions); Ensure battery cap is tightened. |
| Light flickers or turns off unexpectedly | Low battery; Poor contact; Overheating protection | Charge the battery; Clean contacts; Reduce brightness level to allow cooling. |

| Problem | Possible Cause | Solution |
|---|---|---|
| Cannot charge | Faulty cable/charger; Charging port obstructed; Device malfunction | Try a different USB-C cable and charger; Clean the charging port; Contact customer support. |
| Red light not working (H35R) | Incorrect operation; Device malfunction | Ensure you are long-pressing from OFF or double-clicking from white light mode to activate red light. |

## 9. SPECIFICATIONS

### 9.1 Sofirn H35R Headlamp

| Feature | Specification |
|---|---|
| Power Source | Battery Powered (Internal Rechargeable) |
| Light Source Type | LED (White and Red) |
| White Brightness | Up to 1500 Lumens |
| Red Light Wavelength | 660nm Deep Red |
| Water Resistance Level | IPX6 Waterproof |
| Weight | Approx. 80g (2.82oz) |
| Charging Port | USB-C |

### 9.2 Sofirn SC13 Flashlight

| Feature | Specification |
|---|---|
| Power Source | Battery Powered (Internal Rechargeable) |
| Light Source Type | LED |
| Charging Port | USB-C |
| Weight | Approx. 2.82oz (as per image, likely for SC13) |

## 10. WARRANTY AND SUPPORT

Sofirn products are manufactured to high-quality standards. For specific warranty information, please refer to the warranty card included with your product or visit the official Sofirn website. If you encounter any issues or have questions regarding your SC13 Flashlight or H35R Headlamp, please contact Sofirn customer support for assistance.

**Sofirn Customer Support:** Please refer to the contact information provided on the product packaging or the official Sofirn website.

## Related Documents - SC13 Flashlight with H35R Headlamp
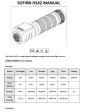
| | |
|---|---|
| SOFIRN SC13(519A) MANUAL | **Sofirn SC13(519A) Flashlight: User Manual, Specifications, and Operation Guide**<br>This document provides the user manual and technical specifications for the Sofirn SC13(519A) mini flashlight. It details performance metrics like ANSI/NEMA FL1 chart data, operational modes, battery indicators, charging status, and contact information for Sofirn Limited. |
| H35R | **Sofirn H35R Rechargeable LED Headlamp User Manual**<br>User manual for the Sofirn H35R rechargeable LED headlamp. Provides details on technical parameters, battery installation, operation instructions, recharging, and tips for optimal use. |
| SOFIRN HS42 MANUAL | **Sofirn HS42 Headlamp User Manual and Specifications**<br>Comprehensive user manual for the Sofirn HS42 right-angle headlamp, detailing specifications, ANSI/NEMA FL1 performance charts for spotlight, floodlight, and red light modes, general operation, battery indicators, and contact information. |
| Sofirn SC28 Manual | **Sofirn SC28 Rechargeable EDC Flashlight User Manual**<br>Comprehensive user manual for the Sofirn SC28 rechargeable EDC flashlight, covering specifications, operation, safety, and troubleshooting. Features 2800 lumens output and ANSI/NEMA FL1 performance data. |
| Sofirn SC32 Manual | **Sofirn SC32 Flashlight User Manual: Features, Operation, and Specifications**<br>Comprehensive user manual for the Sofirn SC32 flashlight, detailing its features, ANSI/NEMA FL1 performance, operation modes, charging, safety instructions, and troubleshooting. Learn how to use your 2000-lumen LED flashlight. |

[Sofirn SP35T Tactical Flashlight Manual: Features, Specs, and Operation](#)

Comprehensive user manual for the Sofirn SP35T tactical flashlight. Learn about its 3800-lumen output, USB-C recharging, operation modes, safety guidelines, and troubleshooting. Includes ANSI/NEMA FL1 chart and specifications.