

sofirn HS42

Sofirn HS42 Rechargeable Headlamp User Manual

Model: HS42

INTRODUCTION

Thank you for choosing the Sofirn HS42 Rechargeable Headlamp. This manual provides essential information for the safe and effective use of your new headlamp. Please read it thoroughly before operation and retain it for future reference.



Image: The Sofirn HS42 headlamp attached to its adjustable black headband, ready for use. The headlamp itself is black with a textured body for grip, featuring a clear lens over the main LED and smaller auxiliary LEDs.

PACKAGE CONTENTS

Upon opening the package, please verify that all components are present and in good condition:

- Sofirn HS42 Headlamp Unit
- Adjustable Headband
- USB Type-C Charging Cable
- Pocket Clip
- Spare O-rings (2)
- User Manual

Your browser does not support the video tag.

Video: An unboxing and detailed display of the SOFIRN HS42 product, showing all included components and their initial presentation.

SETUP

1. Battery Preparation

The Sofirn HS42 headlamp uses a rechargeable 18650 Lithium-Ion battery. Before first use, ensure the battery's insulating paper disc is removed. Unscrew the tail cap, remove the disc, and re-tighten the tail cap securely.

2. Charging the Headlamp

The headlamp features a convenient Type-C charging port. Connect the provided USB Type-C cable to the headlamp and a compatible USB power source (e.g., wall adapter, power bank, computer USB port).

- The indicator light will show **red** during charging.
- The indicator light will turn **green** when charging is complete.

USB Type-c Rechargeable Headlamp



Image: Close-up of the headlamp showing the USB Type-C charging port and the indicator light, illustrating its red (charging) and green (fully charged) states.

3. Attaching the Headband and Clip

The HS42 can be used as a headlamp or a handheld flashlight with a pocket clip. To use as a headlamp, slide the unit into the silicone mount on the adjustable headband. To use as a handheld flashlight, attach the included two-way pocket clip to the body of the headlamp. The magnetic tailcap allows for attachment to metal surfaces for hands-free work.



Image: A collage demonstrating the versatile uses of the headlamp: worn as a headlamp, held as a right-angle flashlight, clipped to clothing, and attached to a metal surface via its magnetic base for use as a work light.

OPERATING INSTRUCTIONS

The Sofirn HS42 features a single button for all operations. Familiarize yourself with the following commands:

General Operation:

- **Turn On/Off:** Single click the button to turn the light on or off.
- **Change Brightness (White Light):** When the light is on, press and hold the button to cycle through Moon, Low, Medium, and High modes. Release the button to select the desired brightness.
- **Turbo Mode:** From any mode (except lock-out), double-click the button to activate Turbo mode. Double-click again to return to the previous mode.
- **Strobe/SOS/Beacon:** From any mode (except lock-out), triple-click the button to activate Strobe mode. Double-click to cycle through Strobe, SOS, and Beacon modes. Single click to turn off.

- **Red Light Mode:** From off, triple-click the button to activate Red Light mode. Press and hold to cycle through red light brightness levels.
- **Lock-out Function:** From off, quadruple-click the button to activate lock-out. The light will flash once to indicate it's locked. To unlock, quadruple-click again.

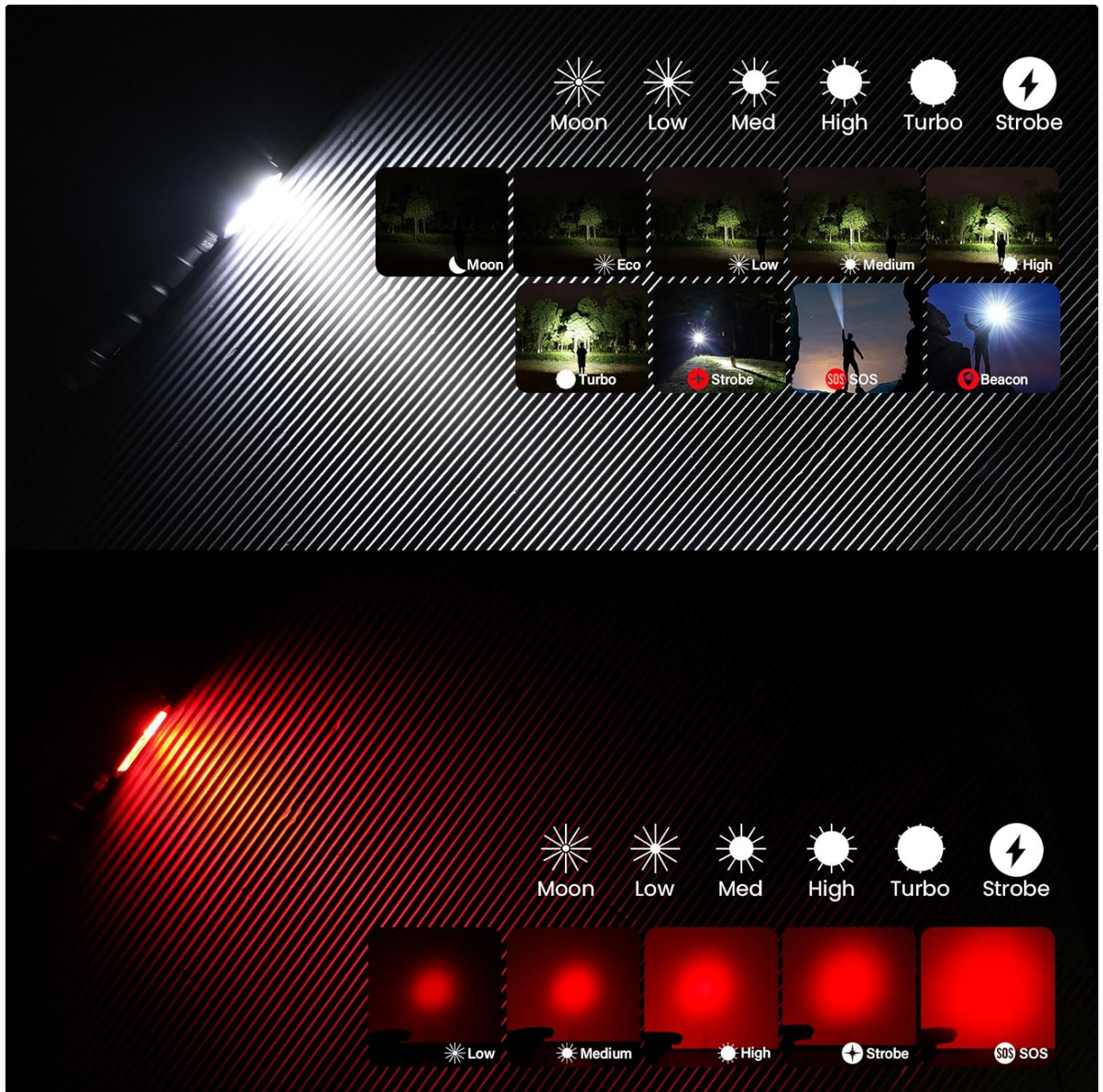


Image: Visual representation of the various white light modes (Moon, Eco, Low, Medium, High, Turbo, Strobe, SOS, Beacon) and red light modes (Low, Medium, High, Strobe, SOS) available on the Sofirn HS42 headlamp.

Intelligent Temperature Control:

The HS42 is equipped with an intelligent temperature control system. When operating in extremely bright or high brightness modes, the headlamp will automatically reduce the output current if the internal temperature exceeds 55 degrees Celsius. This feature maintains an appropriate shell temperature, preventing overheating and ensuring a longer lifespan for the device and a safer user experience.

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Sofirn HS42 headlamp.

- **Cleaning:** Wipe the headlamp with a clean, soft cloth. For stubborn dirt, use a slightly damp cloth. Do not use abrasive cleaners or solvents.
- **Battery Care:** For best results, charge the battery regularly, even if the headlamp is not in frequent use. If storing for extended periods, charge the battery to approximately 50% and recharge every 3-6 months.
- **O-rings:** Periodically inspect the O-rings for wear and tear. Replace them if damaged to maintain the IP66 waterproof rating. A light application of silicone grease can help maintain their integrity.
- **Water Resistance:** The headlamp is IP66 waterproof, meaning it is protected against powerful water jets. While it can withstand rain and splashes, it is not designed for prolonged submersion. Ensure the Type-C port cover is securely closed when not charging to maintain water resistance.



Image: The Sofirn HS42 headlamp shown in a rainy environment, highlighting its IP66 waterproof rating and 1-meter impact resistance, indicating its durability in harsh conditions.

If you encounter issues with your Sofirn HS42 headlamp, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on.	Battery insulating paper not removed. Battery is depleted. Headlamp is in lock-out mode. Loose tail cap.	Remove the insulating paper from the battery. Charge the battery. Quadruple-click to unlock the headlamp. Tighten the tail cap securely.
Light flickers or dims unexpectedly.	Low battery. Overheating (Intelligent Temperature Control activated). Poor contact between battery and terminals.	Recharge the battery. This is normal operation; the light will return to full brightness once cooled. Clean battery contacts and ensure battery is inserted correctly.
Headlamp does not charge.	Faulty USB cable or power source. Charging port obstruction.	Try a different USB Type-C cable and power source. Check the charging port for debris and clean if necessary.

If the problem persists after attempting these solutions, please contact Sofirn customer support for further assistance.

SPECIFICATIONS

Model	HS42
Light Source	LED
Brightness	Up to 2100 Lumens (White Light)
Beam Distance	Up to 215 Meters (465 Feet)
Power Source	Rechargeable Lithium Polymer Battery (18650 type)
Charging Port	USB Type-C
Runtime	Up to 32 hours (depending on mode)
Material	Aluminum Alloy
Water Resistance	IP66 (Protected against powerful water jets)
Impact Resistance	1 Meter
Dimensions	3.15"D x 1.22"W x 1.22"H
Weight	10.5 ounces
Special Features	Red Light Mode, Intelligent Temperature Control, Magnetic Tailcap, 2-Way Clip



Image: A visual comparison demonstrating the powerful 2100 lumen white light output and the 215-meter beam distance of the Sofirn HS42 headlamp in a dark outdoor setting.

WARRANTY

The Sofirn HS42 Rechargeable Headlamp comes with a **2-year warranty** from the date of purchase. This warranty covers manufacturing defects and issues arising from normal use. It does not cover damage caused by misuse, unauthorized modification, accident, or neglect.

Please retain your proof of purchase for warranty claims.

SUPPORT

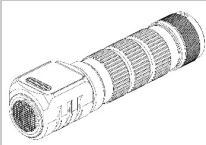
For any questions, technical assistance, or warranty inquiries, please contact Sofirn customer support through the following channels:

- **Online Store:** Visit the official [Sofirn Store on Amazon](#).

- **Email:** Refer to the contact information provided in your product packaging or on the official Sofirn website.

Our support team is dedicated to providing prompt and helpful solutions.

SOFIRN HS42 MANUAL



CERoHSREACH

The Sofirn HS42 is a right-angle headlamp designed with multi-light sources.

ANSI/NEMA FL1 Chart

Spotlight:

Modes	Moonlight	Low	Medium	High	Turbo	Flashing
Output	1lm	100lm	400lm	1000lm	2000lm	2000lm
Beam Distance	3m	51m	102m	161m	215m	-
Runtime	460h	17450min	5135min	2140min	2630min	5h
Peak Intensity	2.5cd	662.5cd	2593.3cd	6490.0cd	11525.0cd	-

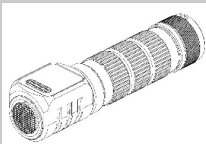
Floodlight:

[Sofirn HS42 Headlamp User Manual and Specifications](#)

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.

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Floodlight:

[\[pdf\] User Manual](#)

HS42 Headlamp 2100 Lumens 6 LEDs with Red Light Spotlight

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SOFIRN **HS42** MANUAL The Sofirn **HS42** is a right-angle headlamp designed with multi-light sources. ANSI/NEMA FL1 Chart Spotlight: Modes Moonlight Low Medium High Turbo Flashing Output Beam Distance Runtime Peak Intensity 1lm 100lm 400lm 1000lm 2000lm 2000lm 3m 51m 102m 161m 215m - 46...

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