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sofirn A-001

Sofirn HS40 Rechargeable Headlamp

Model: A-001

INTRODUCTION

The Sofirn HS40 is a versatile and powerful headlamp designed for various outdoor activities and daily tasks. Featuring a high-performance SST40 LED, it delivers up to 2000 lumens of bright light, ensuring excellent visibility. Its robust construction, IPX8 water resistance, and convenient USB-C charging make it a reliable companion in diverse environments. The magnetic tail cap and two-way clip enhance its utility, allowing it to function as both a headlamp and a handheld or clipped flashlight.



Image: Sofirn HS40 Headlamp with its adjustable headband.

PACKAGE CONTENTS

- 1x Sofirn HS40 Headlamp
- 1x USB-A to USB-C Charging Cable
- 1x Adjustable Head Band
- 1x Two-way Clip
- 1x 3000mAh 18650 Lithium-Ion Battery (included inside the headlamp)
- 2x Spare O-rings
- 1x User Manual

SETUP

1. **Battery Installation:** Unscrew the tail cap of the headlamp. Remove the orange insulating disc from the positive end of the battery. Insert the 18650 battery with the positive (+) end facing towards the head of the lamp. Screw the tail cap back on tightly to ensure proper contact and water resistance.
2. **Attaching Head Band:** Slide the headlamp body into the silicone mount on the adjustable head band. Ensure the headlamp is securely seated.
3. **Initial Charging:** Before first use, fully charge the headlamp. Connect the provided USB-C cable to the charging port on the headlamp and plug the other end into a 5V/2A USB power adapter (not included). The indicator light will show red during charging and turn green when fully charged.



USB Rechargeable
5V/2A



Image: USB-C charging port with red (charging) and green (full) indicator lights.

OPERATING INSTRUCTIONS

The Sofirn HS40 features both Stepped Mode and Stepless Ramping for brightness control.

Basic Operation

- **Turn On/Off:** Single click the side switch to turn the light on or off.
- **Change Brightness (Stepped Mode):** When the light is on, press and hold the side switch to cycle through Moon, Low, Medium, High. Release the switch to select the desired brightness level.
- **Turbo Mode:** From ON, double-click the side switch to activate Turbo. Double-click again to return to the previous mode.
- **Moonlight Mode:** From OFF, press and hold the side switch for 1 second to activate Moonlight mode.
- **Lock/Unlock:** From OFF, 4 clicks to lock the headlamp. The main LED will flash twice to indicate it is locked. 4 clicks again to unlock. The main LED will flash once to indicate it is unlocked.

Advanced Operation (Stepless Ramping)

- **Activate Ramping:** From ON, triple-click the side switch to switch between Stepped Mode and Stepless Ramping.
- **Adjust Brightness (Ramping):** In Stepless Ramping mode, press and hold the side switch to smoothly increase or decrease the brightness. Release the switch to set the desired level.

Special Modes (Strobe, SOS, Beacon)

- From ON, triple-click the side switch to enter Strobe mode.
- While in Strobe mode, double-click to cycle through Strobe, SOS, and Beacon modes.
- Single click to turn off the light.

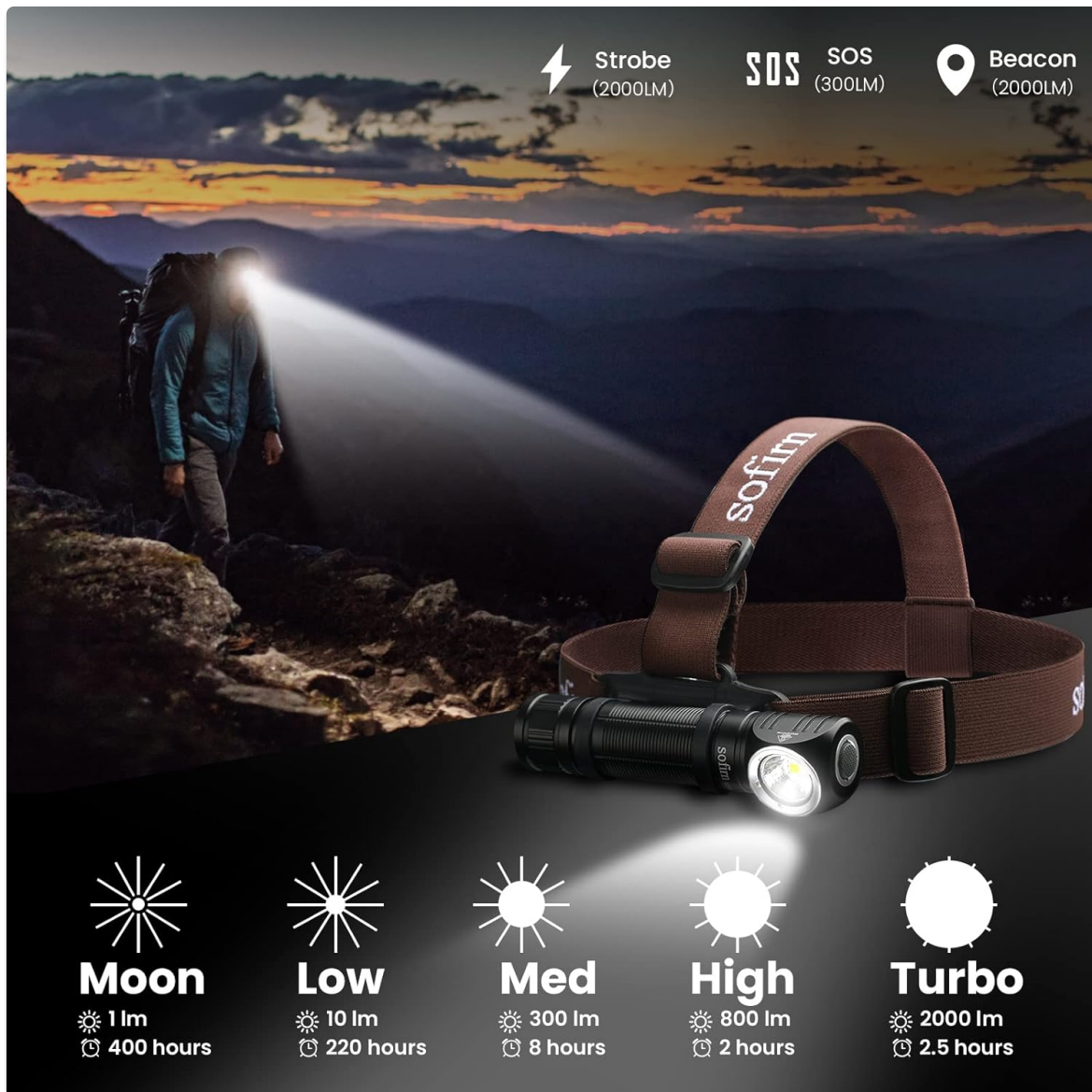


Image: Visual representation of different brightness levels and their approximate runtimes.

Stepless & Stepped

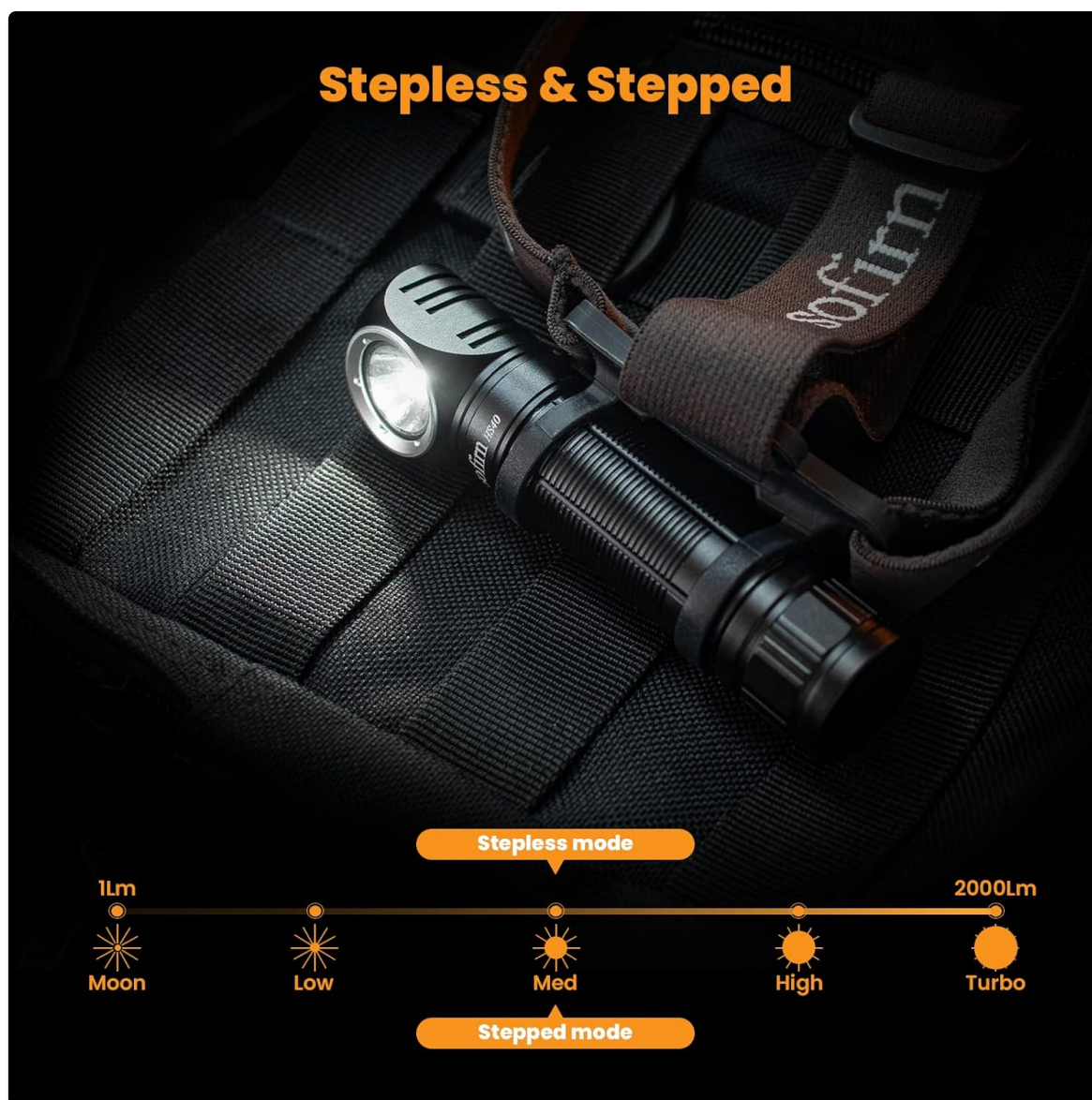


Image: Diagram showing the range of brightness from 1 lumen (Moon) to 2000 lumens (Turbo) in both stepless and stepped modes.

MAINTENANCE

- **Charging:** Recharge the battery when the indicator light flashes red, indicating low battery. Use the provided USB-C cable and a compatible 5V/2A adapter.
- **Cleaning:** Clean the headlamp with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **O-ring Maintenance:** Periodically lubricate the O-rings with silicone grease to maintain water resistance. Replace O-rings if they appear damaged or worn.
- **Water Resistance:** The HS40 is IPX8 rated, meaning it is protected against continuous immersion in water up to 2 meters. Ensure the USB-C port cover is securely closed before exposing to water.



Image: The headlamp is designed to be waterproof, suitable for use in wet conditions.

TROUBLESHOOTING

- **Light does not turn on:**
 - Ensure the battery is inserted correctly with the positive (+) end towards the head.
 - Check if the orange insulating disc has been removed from the battery.
 - Confirm the tail cap is screwed on tightly.
 - The headlamp might be in Lockout Mode. Perform 4 clicks to unlock it.
 - Battery may be depleted. Charge the headlamp fully.
- **Light is dim or flickers:**
 - Battery charge is low. Recharge the headlamp.
 - Ensure battery contacts are clean. Clean with a cotton swab if necessary.
- **Charging not working:**
 - Verify the USB-C cable is properly connected to both the headlamp and the power source.
 - Try a different USB-C cable or power adapter.
 - Ensure the charging port is free of debris.

SPECIFICATIONS


Feature	Specification
Brand	Sofirn
Model	HS40 (A-001)
Light Source	SST40 LED
Color Temperature	6500 Kelvin

Please refer to the contact information provided with your product packaging or visit the official Sofirn website for support details.

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Related Documents - A-001

Sofirn SC32 Manual



CE, RoHS, FCC, PSE, BSMI, KC, UKCA, CB, ENEC, SAA, CCC, GOST, INMETRO, BIS, BUREAU VERITAS, TÜV, VDE, UL, ETL, CUL, NRTL, IEC, ISO

Table 1: SC32 flashlight specifications


Model	Type	Beam	Max. Output	Max. Runtime	Max. Charge Time
SC32	LED	100m	2000lm	12h	12h
SC32	LED	100m	2000lm	12h	12h
SC32	LED	100m	2000lm	12h	12h
SC32	LED	100m	2000lm	12h	12h
SC32	LED	100m	2000lm	12h	12h

Model: SC32

[Sofirn SC32 Flashlight User Manual: Features, Operation, and Specifications](#)

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 HS40 Manual



CE, RoHS, FCC, PSE, BSMI, KC, UKCA, CB, ENEC, SAA, CCC, GOST, INMETRO, BIS, BUREAU VERITAS, TÜV, VDE, UL, ETL, CUL, NRTL, IEC, ISO

Table 1: HS40 headlamp specifications


Model	Type	Beam	Max. Output	Max. Runtime	Max. Charge Time
HS40	LED	100m	2000lm	12h	12h
HS40	LED	100m	2000lm	12h	12h
HS40	LED	100m	2000lm	12h	12h
HS40	LED	100m	2000lm	12h	12h
HS40	LED	100m	2000lm	12h	12h

Model: HS40

[Sofirn HS40 Headlamp: Manual, Specifications, and Operation Guide](#)

A comprehensive guide to the Sofirn HS40 headlamp, detailing its specifications, safety instructions, operation modes (stepped and ramping), circuit protection, battery details, and troubleshooting tips. Learn how to use and maintain your Sofirn HS40 for optimal performance.

SC31 Pro (Anduril2.0) Manual



CE, RoHS, FCC, PSE, BSMI, KC, UKCA, CB, ENEC, SAA, CCC, GOST, INMETRO, BIS, BUREAU VERITAS, TÜV, VDE, UL, ETL, CUL, NRTL, IEC, ISO

Table 1: SC31 Pro flashlight specifications


Model	Type	Beam	Max. Output	Max. Runtime	Max. Charge Time
SC31 Pro	LED	100m	2000lm	12h	12h
SC31 Pro	LED	100m	2000lm	12h	12h
SC31 Pro	LED	100m	2000lm	12h	12h
SC31 Pro	LED	100m	2000lm	12h	12h
SC31 Pro	LED	100m	2000lm	12h	12h

Model: SC31 Pro

[Sofirn SC31 Pro Flashlight User Manual](#)

Comprehensive user manual for the Sofirn SC31 Pro flashlight, detailing its features, operation, safety instructions, and maintenance. Covers both Simple and Advanced UI modes powered by Anduril 2.

ST10 Manual



CE, RoHS, FCC, PSE, BSMI, KC, UKCA, CB, ENEC, SAA, CCC, GOST, INMETRO, BIS, BUREAU VERITAS, TÜV, VDE, UL, ETL, CUL, NRTL, IEC, ISO

Table 1: ST10 flashlight specifications

Model	Type	Beam	Max. Output	Max. Runtime	Max. Charge Time
ST10	LED	100m	2000lm	12h	12h
ST10	LED	100m	2000lm	12h	12h
ST10	LED	100m	2000lm	12h	12h
ST10	LED	100m	2000lm	12h	12h
ST10	LED	100m	2000lm	12h	12h

Model: ST10

[Sofirn ST10 Compact EDC Flashlight: Features, Specifications, and Operation](#)

Explore the Sofirn ST10, a versatile EDC flashlight with white main, white side, and red side lights. Learn about its specifications, general operation, battery indicator, and safety warnings.

Sofirn SC28 Manual



Read the user manual carefully before using the product.

The Sofirn SC28 is a rechargeable EDC flashlight with a maximum output of 2800 lumens. It features a USB-C charging port and a built-in battery. The flashlight is made of aluminum and has a length of 140mm. It weighs 105g and has a diameter of 28mm. The flashlight is IPX4 waterproof and has a maximum beam distance of 1000m. It has a maximum runtime of 12 hours at 1000 lumens and 120 hours at 100 lumens. It has a maximum output of 2800 lumens and a maximum beam distance of 1000m.

ANSI/NEMA FL1 Chart

Mode	Output (lm)	Beam Diameter (mm)	Beam Distance (m)	Runtime (h)
High	2800	100	1000	12
Med	1000	50	500	120
Low	100	10	100	1200

[Sofirn SC28 Rechargeable EDC Flashlight User Manual](#)

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 SP35T Manual



Read the user manual carefully before using the product.

The Sofirn SP35T is a rechargeable tactical flashlight with a maximum output of 3800 lumens. It features a USB-C charging port and a built-in battery. The flashlight is made of aluminum and has a length of 140mm. It weighs 105g and has a diameter of 28mm. The flashlight is IPX4 waterproof and has a maximum beam distance of 1000m. It has a maximum runtime of 12 hours at 1000 lumens and 120 hours at 100 lumens. It has a maximum output of 3800 lumens and a maximum beam distance of 1000m.

[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.