sofirn LT1SKIT

Sofirn LT1S LED Camping Lantern User Manual

Model: LT1SKIT | Brand: Sofirn

INTRODUCTION

The Sofirn LT1S is a versatile and durable LED camping lantern designed for various lighting needs, from outdoor adventures to emergency situations. It features dimmable warm to cool light modes, a red light function for night vision, and a long-lasting rechargeable battery that can also charge other devices. Its robust construction ensures reliability in challenging environments.

PRODUCT FEATURES

- **Dimmable Warm/Cool Light Modes:** Seamlessly adjust light temperature from 2700K (warm white) to 6500K (cool white) with stepless dimming for various scenarios.

- **Long-Lasting Rechargeable Battery:** Provides up to 500 hours of non-diminishing brightness on a single 3-hour charge, ensuring extended use during power outages or camping trips.

- **Red Light Mode:** Enhances night vision and is ideal for after-dark activities, preventing disruption caused by white or yellow lights.

- **USB-C Charging Port:** Functions as a power bank to charge smartphones and other digital devices, adding convenience for outdoor excursions.

- **Durable and Water-Resistant:** IPX8-rated water resistance and an aluminum alloy body ensure the LT1S withstands heavy rain and rough handling.

- **Flexible Light Control:** Ability to turn off one side of the lantern for directional lighting (50% left/right or 100% full brightness).

SETUP

Initial Charging

Before first use, fully charge your Sofirn LT1S lantern. Connect the included USB-C cable to the lantern's USB-C port and plug the other end into a compatible USB power source (e.g., wall adapter, power bank, computer USB port). The charging indicator lights will show the charging progress.

Figure 1: USB-C Charging and Power Display. The lantern can be fully charged in approximately 3 hours.

Battery Installation (if applicable)

The LT1S comes with a pre-installed 21700 Lithium Polymer battery. If you need to replace or access the battery, carefully unscrew the bottom cap of the lantern. Insert the new 21700 battery with the positive (+) terminal facing towards the top of the lantern. Securely screw the cap back on.

OPERATING INSTRUCTIONS

The Sofirn LT1S features an intuitive single-button interface for controlling its various lighting modes and functions.

Basic Operation

- **Turn On/Off:**

  - From OFF: Press and hold the power button for Moon mode.
  - From OFF: Single click for previously used brightness.
  - From ON: Single click to turn OFF.

- **Brightness Adjustment (Ramping Mode):**

- From ON: Press and hold the power button to smoothly ramp brightness up or down. Release to set.

- **Brightness Adjustment (Stepped Mode):**

    - From ON: Double click for Turbo mode.
    - From ON: Hold to cycle through Low, Medium, High.

- **Toggle Ramping/Stepped Mode:**

    - From ON: Four clicks to switch between smooth ramping and stepped brightness modes.

Color Temperature and Red Light

- **Adjust Color Temperature (Tint Ramp):**

    - From OFF: Click and hold for Moon mode, then continue holding to adjust tint.
    - From ON: Click and hold to adjust tint. Release to set.

- **Red Light Mode:**

    - From OFF: Three clicks for Red Light mode.
    - From ON: Three clicks for Red Light mode.
    - From Red Light: Two clicks for Red Strobe, then two clicks again for Red SOS.
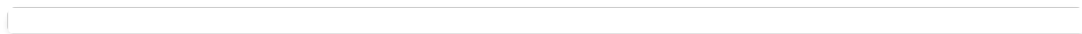   - From Red Light: Three clicks to return to white light.

Figure 2: LT1S Operation Chart. Refer to this chart for detailed button press sequences.

Flexible Light Control (Emitter Selection)

The LT1S allows you to control which side of the lantern emits light, providing directional illumination when needed.

- **Cycle Emitters:**

    - From ON: Two clicks to cycle between "One side" (50% left or right) and "Both" (100% full brightness).

Figure 3: Flexible LED Control. Choose between full 360-degree illumination or directional lighting.

Charging External Devices

The LT1S can act as a power bank. Connect your smartphone or other digital device to the lantern's USB-C port using a compatible USB-C to USB-C cable (not included). The lantern will begin charging your device.

Figure 4: Charging a Smartphone. Utilize the lantern's battery to power your essential devices.

MAINTENANCE

- **Cleaning:** Wipe the lantern with a soft, damp cloth. Do not use abrasive cleaners or solvents.

- **Water Resistance:** The LT1S is IPX8-rated waterproof, meaning it can withstand submersion up to 2 meters for 30 minutes. Ensure the USB-C port cover is securely closed before exposing to water.

- **Storage:** Store the lantern in a cool, dry place when not in use. For long-term storage, it is recommended to charge the battery to about 50% every few months to maintain battery health.

- **O-Rings:** Periodically inspect the O-rings for wear and tear. Replace them if damaged to maintain water resistance. The product comes with an extra set of O-rings.

Figure 5: IPX8 Waterproofing. The LT1S is designed to perform reliably even in wet conditions.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Lantern does not turn on.	Low battery; Lockout mode activated; Loose battery connection.	Charge the lantern; Deactivate lockout mode (refer to operation chart); Ensure battery is properly inserted.
Cannot charge external device.	Lantern battery too low; Incorrect cable; Device not compatible.	Charge the lantern fully; Use a USB-C to USB-C cable; Check device compatibility.
Light output is dim or flickers.	Low battery; Overheating protection.	Recharge the lantern; Allow the lantern to cool down if used on high settings for extended periods.
Water ingress after exposure.	USB-C port cover not sealed; Damaged O-rings.	Ensure USB-C port cover is tightly closed; Inspect and replace O-rings if necessary.

SPECIFICATIONS

Attribute	Value
Product Dimensions	2.76"L x 2.76"W x 3.94"H
Item Weight	11.84 ounces
Battery Description	Lithium-Ion Polymer (21700)
Brightness	Up to 500 Lumens
Battery Life (Max Runtime)	Up to 500 Hours (Moonlight mode)
Water Resistance Level	IPX8 (Waterproof)
Voltage	3.7 Volts (DC)
Wattage	18 Watt-hours
Material	Aluminum

Attribute	Value
Light Source Type	Light Emitting Diode (LED)
Color Temperature Range	2700K - 6500K

OFFICIAL PRODUCT VIDEO

Your browser does not support the video tag.

Video 1: Sofirn LT1S Camping Lantern Rechargeable Light. This video provides an overview of the lantern's features and uses.

WARRANTY AND SUPPORT

For warranty information, product support, or to purchase accessories, please visit the official Sofirn store or contact their customer service directly.

Visit the Sofirn Store on Amazon

Additional protection plans may be available for purchase. Please refer to your purchase documentation for details.

Related Documents - LT1SKIT

	Sofirn LT1S Pro Lantern User Manual and Specifications Comprehensive user guide for the Sofirn LT1S Pro lantern, detailing its features, operation modes (Anduril UI), specifications, safety instructions, and troubleshooting tips.
	Sofirn LT1S Lantern User Manual Comprehensive user manual for the Sofirn LT1S lantern, detailing its features, specifications, operation, safety guidelines, and troubleshooting. Learn how to use the LT1S for camping, hiking, and other outdoor activities.
	Sofirn SC33 Flashlight User Manual Comprehensive manual for the Sofirn SC33 flashlight, detailing its specifications, operation, battery installation, charging, troubleshooting, and safety instructions. Features a Cree XHP70.3 HI LED, 5200 lumens output, 327-meter beam distance, and USB-C charging.

Sofirn SC32 Manual Thank you for purchasing Sofirn this product. ANSI/NEMA FL1 Chart	**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 Thank you for purchasing Sofirn products. Safety Instructions	**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.
SOFIRN **SOFIRN IF23 PRO** MANUAL	**Sofirn IF23 PRO LED Flashlight User Manual** Comprehensive user manual for the Sofirn IF23 PRO, an upgraded, powerful, and rechargeable LED flashlight. Includes specifications, operation instructions, battery indicators, and contact information.