Sofirn ST10

Sofirn ST10 EDC Clip-ON Flashlight User Manual

Your comprehensive guide to operating and maintaining your Sofirn ST10 flashlight.

PRODUCT OVERVIEW

The Sofirn ST10 is a compact, multi-functional Everyday Carry (EDC) flashlight designed for versatility and durability. It features multiple light sources, including a powerful main light, a broad side light, and a specialized deep red light, catering to various lighting needs from general illumination to night vision preservation and signaling. Its robust aluminum alloy construction ensures resilience against impacts and water, making it suitable for diverse environments and activities.

Image: The Sofirn ST10 flashlight, highlighting its compact form factor and dual light sources.

PACKAGE CONTENTS

- Sofirn ST10 EDC Clip-ON Flashlight
- 14500 Rechargeable Battery (with built-in USB-C port)
- USB-C to USB-C Charging Cable
- Wrist Strap / Lanyard
- Spare O-rings (for water resistance)
- User Manual

Image: All items included in the Sofirn ST10 package, neatly arranged.

Key Features

- **Compact EDC Design:** The ST10 delivers up to 1000 lumens with a 144 m beam distance in a lightweight, pocket-sized body, ideal for everyday carry.
- **Versatile Triple Light Sources:** Features a white main light, a white side light, and a 660nm deep red side light for diverse applications, from general illumination to signaling and night vision preservation.
- **Durable & Weather Resistant:** Constructed from aluminum alloy, it is impact resistant up to 1 m and rated IPX6 water resistant, ensuring reliability in challenging conditions.
- **Dual-Button Operation & Intelligent Lockout:** Two independent buttons control the main and side lights for intuitive use. A triple-click lock/unlock function prevents accidental activation.

Image: The ST10 showcasing its three distinct lighting modes.

READY FOR RAINY ADVENTURES

IPX6 waterproof

1M Impact Resistant

Image: The ST10 in use during rain, demonstrating its durability and water resistance.

SETUP

Battery Installation and Charging

1. Unscrew the tail cap of the flashlight to access the battery compartment.
2. Insert the included 14500 rechargeable battery with the positive (+) end facing towards the head of the flashlight.
3. Replace the tail cap, ensuring it is securely tightened to maintain water resistance.
4. To charge the 14500 battery, remove it from the flashlight. Locate the built-in USB-C port on the battery itself.
5. Connect the provided USB-C cable to the battery's port and to a suitable USB power source. The battery will glow red while charging and turn green when fully charged.
6. The ST10 is also compatible with standard AA Alkaline/NiMH batteries, offering flexible power options.

Image: The 14500 battery with its integrated USB-C charging port and indicator lights.

OPERATING INSTRUCTIONS

The Sofirn ST10 features a dual-button interface for intuitive control of its main and side lights.

Main Light (Spotlight) Operation

- **Turn ON/OFF:** Single click the Main Light Switch.
- **Cycle Brightness:** When ON, press and hold the Main Light Switch to cycle through Moonlight → Low → Medium → High. The light has a memory function for the last used mode (excluding Moonlight, Turbo, and Beacon).
- **Turbo Mode:** Double click the Main Light Switch from any state (ON or OFF).
- **Beacon Mode:** From Turbo mode, double click the Main Light Switch again.

Side Light (Floodlight & Red Light) Operation

- **Turn ON/OFF (White Side Light):** Single click the Side Light Switch.
- **Cycle Brightness (White Side Light):** When ON, press and hold the Side Light Switch to cycle through Low → Medium → High.

- **Turbo Mode (White Side Light):** Double click the Side Light Switch from any state (ON or OFF).
- **Red Light Mode:** From OFF, press and hold the Side Light Switch to activate the Red Light.
- **Cycle Brightness (Red Light):** When Red Light is ON, single click the Side Light Switch to cycle through Low → Medium → High.
- **Red Flash Mode:** From Red Light mode, double click the Side Light Switch.

Intelligent Lockout Function

- To **Lock** the flashlight: Triple click either the Main Light Switch or the Side Light Switch. The light will flash briefly to indicate it is locked.
- To **Unlock** the flashlight: Triple click either the Main Light Switch or the Side Light Switch. The light will flash briefly and then turn on to the last used mode.

Image: Detailed diagram of the ST10's intuitive dual-button user interface.

ST10 Side Light Switch

White Light
- 1 Click –ON/OFF
- Long Press (from ON) — Low / Medium / High
- 2 Clicks (from ON) — Turbo

Red Light
- Long Press –ON/OFF
- 1 Click (from ON) — Low / Medium / High
- 2 Clicks (from ON/OFF) — Flash

ST10 Main Light Switch

- 1 Click –ON/OFF
- 2 Click — Turbo / Beacon
- Long Press (from ON) — Low / Medium / High
- Long Press (from OFF) — Moon
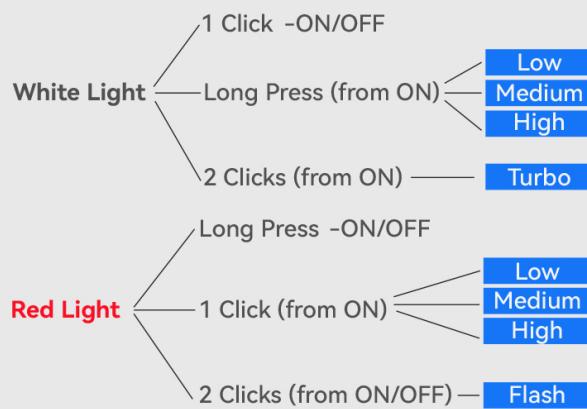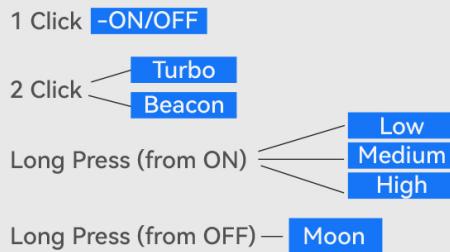
Image: Comprehensive UI diagram for both main and side light functions.

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Video: A seller demonstrating the Sofirn ST10's features, including its 1000 lumens output and various light modes.

MAINTENANCE

- **Cleaning:** Regularly clean the flashlight body and threads with a clean cloth.
- **O-ring Maintenance:** Inspect the O-rings periodically for wear and tear. Replace them with the provided spare O-rings if necessary to maintain water resistance. Apply silicone grease to the O-rings to prevent wear.
- **Battery Care:** Store the battery in a cool, dry place when not in use. Avoid over-discharging or over-charging the battery.

TROUBLESHOOTING

- **Light not turning on:**
  - Ensure the battery is correctly inserted with the positive (+) end facing forward.
  - Check if the battery is charged. Recharge if necessary.
  - Ensure the tail cap is fully tightened.
  - Check if the flashlight is in lockout mode (triple click to unlock).

- **Reduced brightness or short runtime:**
  - The battery may be low. Recharge the battery fully.
  - Ensure the battery is a genuine 14500 rechargeable battery or a fresh AA battery.

- **Water ingress:**
  - Check the O-rings for damage or improper seating. Replace if needed.
  - Ensure all caps and covers are securely tightened.

SPECIFICATIONS

Feature	Value

Light Output (Max)	1000 Lumens
Beam Distance (Max)	144 meters
Red Light Wavelength	660nm
Weight	49 Grams (1.73 ounces)
Material	Aluminum Alloy
Water Resistance	IPX6
Impact Resistance	1 meter
Battery Type	14500 Lithium-Ion Polymer (included), also compatible with AA Alkaline/NiMH
Charging	USB-C (built into battery)
Product Dimensions	2.73"D x 0.8"W x 1.33"H

MAIN LIGHT

	Moonlight	Low	Medium	High	Turbo	Beacon
Output	1LM	10LM	100LM	330LM	1000LM	1000LM
Runtime	150h	35h	4.5h	1.5h	1h20min	-
Range	-	15m	45m	85m	144m	-
Intensity	-	57cd	500cd	1800cd	517cd	-

Image: Detailed performance specifications for the main light modes.

SIDE WHITE LIGHT

	Moonlight	Low	Medium	High	Turbo	Beacon
Output	-	7LM	75LM	300LM	500LM	-
Runtime	-	45h	4h	1.5h	1h20min	-
Range	-	6m	20m	42m	54m	-
Intensity	-	9cd	100cd	430cd	725cd	-

Image: Detailed performance specifications for the side white light modes.

SIDE RED LIGHT						
	Moonlight	Low	Medium	High	Turbo	Beacon
Output	-	3LM	45LM	100LM	-	100LM
Runtime	-	27h	1h15min	1h	-	-
Range	-	6m	19m	28m	-	-
Intensity	-	9cd	90cd	193cd	-	-

Image: Detailed performance specifications for the side red light modes.

WARRANTY AND SUPPORT

The Sofirn ST10 EDC Clip-ON Flashlight comes with a **2-year warranty** from the manufacturer. For any support inquiries, troubleshooting assistance, or warranty claims, please contact Sofirn customer service directly through their official channels or the retailer where the product was purchased.