

## sofirn SC31 Pro

# Sofirn SC31 Pro Rechargeable EDC Flashlight User Manual

Model: SC31 Pro

## 1. INTRODUCTION

The Sofirn SC31 Pro is a powerful and versatile Everyday Carry (EDC) flashlight designed for various lighting needs. Featuring a super bright SST40 6500K LED, it delivers up to 2000 lumens of output. This manual provides detailed instructions for safe and effective use, maintenance, and troubleshooting.

## 2. PACKAGE CONTENTS

Please verify that all items are present in your package:

- 1x Sofirn SC31 Pro Rechargeable Flashlight
- 1x 18650 Lithium Ion Battery (inserted)
- 1x White Diffuser
- 1x Magnetic Tail Cap
- 1x USB-C Charging Cable
- 1x Clip
- 1x Lanyard
- 1x User Manual
- 2x Spare O-rings

## 3. SETUP

### 3.1 Battery Installation

The flashlight comes with the battery pre-installed. Before first use, ensure the plastic insulation paper is removed from between the battery and the tail cap. Unscrew the tail cap, remove the orange insulation disc, and re-tighten the tail cap securely.

### 3.2 Initial Charging

The SC31 Pro features a built-in USB-C charging port. Connect the provided USB-C cable to the flashlight and a compatible USB power source (e.g., computer, wall adapter). The indicator light on the side switch will show the charging status:

- **Red:** Charging
- **Green:** Fully Charged

A full charge typically takes approximately 2 hours (with a 5V 2A adapter).

## TYPE-C RECHARGEABLE

Enjoy convenient, safe, fast charging for long-lasting brightness



*Image: USB-C charging port and indicator lights.*

## 4. OPERATING INSTRUCTIONS (ANDURIL 2 UI)

The SC31 Pro utilizes the advanced Anduril 2 User Interface (UI), offering extensive customization. It can be operated in either **Simple UI** or **Advanced UI**. By default, it ships in Simple UI.

### 4.1 Basic Operation (Simple UI)

- **Turn ON/OFF:** Single-click the side switch.
- **Ramping Brightness:** Press and hold the switch to smoothly ramp brightness up or down. Release and press-hold again to reverse direction.
- **Turbo:** Double-click from ON.
- **Moonlight:** Press and hold from OFF.
- **Lockout:** 4 clicks from OFF. Repeat 4 clicks to unlock.

### 4.2 Advanced UI Features

To switch between Simple UI and Advanced UI, click 10 times from OFF and hold the last click. The flashlight will

flash once to confirm Simple UI, or twice for Advanced UI.

Advanced UI unlocks many features, including stepped ramping, various strobe modes (strobe, beacon, sunset, candle, lightning), momentary mode, battery check, and thermal configuration. Refer to the detailed Anduril 2 UI diagram for full functionality.

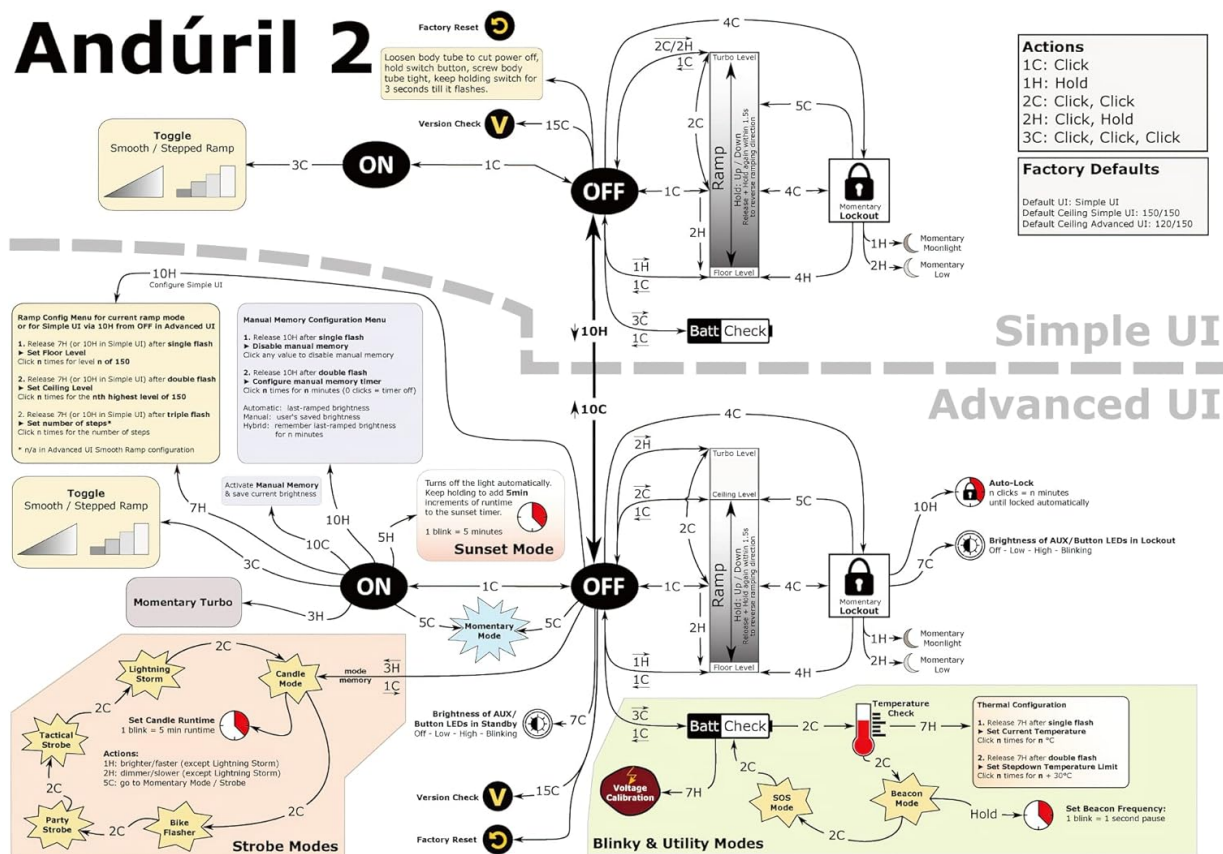


Image: Anduril 2 User Interface Diagram.

### 4.3 Official Product Video: SC31 Pro Kit Overview

Video: A detailed overview of the Sofirn SC31 Pro kit contents and basic features.

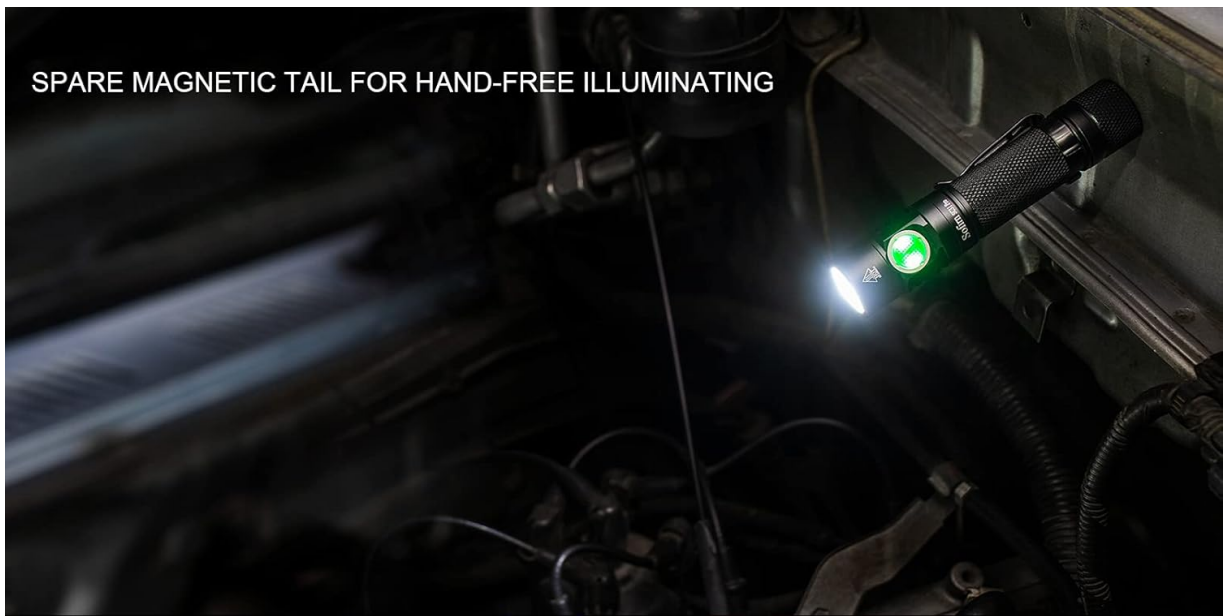
### 4.4 Official Product Video: SC31 Pro vs SC31T Demonstration

Video: A comparison and demonstration of the Sofirn SC31 Pro and SC31T models, highlighting UI and performance differences.

## 5. FEATURES OVERVIEW

- **Super Bright Output:** Delivers up to 2000 lumens with an SST40 6500K LED, providing illumination over 200 meters.
- **Compact and Lightweight:** Measuring 4.6 inches in length and weighing 2 oz (excluding battery), it's ideal for everyday carry.
- **USB-C Rechargeable:** Convenient and safe charging via the built-in USB-C port, with a full charge in approximately 2 hours.
- **Advanced User Interface:** Anduril 2 UI offers smooth ramping, stepped modes, and various special modes like strobe, beacon, sunset, and candle.
- **Magnetic Tail Cap:** Allows hands-free operation by attaching to metal surfaces, useful for car repairs or other tasks.
- **Diffuser Included:** Transforms the flashlight into a soft, omnidirectional lantern for reading or power outages.
- **Water Resistant:** IPX8 rated, providing protection against water immersion.

SPARE MAGNETIC TAIL FOR HAND-FREE ILLUMINATING



SPARE DIFFUSER ENABLES FLASHLIGHT  
WORKS AS LANTERN



*Image: Magnetic tail cap for hands-free use and diffuser for lantern functionality.*



# SUPER LONG LIFESPAN

Powerful SST40 (P2) LED with over 50,000-hour lifetime

SST40 LED



*Image: SST40 LED for super bright output.*



*Image: IPX8 water resistance rating.*

## 6. MAINTENANCE

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- **Charging Port:** Always ensure the rubber cover for the USB-C charging port is securely sealed when not charging, especially near water, to maintain water resistance.
- **Cleaning:** Clean the flashlight body with a soft, damp cloth. Do not use harsh chemicals or abrasives.
- **O-rings:** Periodically check the O-rings for wear and tear. Replace them if damaged to maintain water resistance. Lubricate O-rings with silicone grease as needed.
- **Threads:** Keep the threads of the tail cap and head clean and lubricated for smooth operation and proper sealing.

## 7. TROUBLESHOOTING

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- **Flashlight not turning on:**
  - Ensure the battery insulation paper has been removed.
  - Check if the battery is charged.
  - Tighten the tail cap and head securely.
  - Ensure the flashlight is not in lockout mode (4 clicks to unlock).

- **Dim output or unexpected behavior:**
  - The battery might be low; recharge the flashlight.
  - The flashlight might be in a lower brightness mode; adjust using ramping or stepped modes.
  - Clean battery contacts and threads.
- **Overheating:**
  - High output modes (e.g., Turbo) generate significant heat. The flashlight has built-in thermal regulation to prevent damage by automatically reducing brightness. This is normal operation.
  - Ensure cooling fins are clear of obstructions.







## 8. SPECIFICATIONS

Feature	Specification
Brand	sofirn
Model	SC31 Pro
Light Source	SST40 6500K LED
Maximum Output	2000 Lumens
Maximum Throw	200 meters
User Interface	Anduril 2 UI (Simple & Advanced)
Battery Type	1x 18650 Lithium Ion (3000mAh included)
Charging	USB-C (approx. 2 hours for full charge)
Material	Aluminum
Water Resistance	IPX8
Dimensions	4.6"D x 1"W x 1"H (11.68cm x 2.54cm x 2.54cm)
Weight	2 ounces (56.7g) excluding battery

## 9. WARRANTY AND SUPPORT

Sofirn offers responsive and helpful customer service. If you encounter any issues with your SC31 Pro flashlight, please contact Sofirn customer support for assistance. Refer to the product packaging or Sofirn's official website for specific warranty details and contact information.

### Related Documents - SC31 Pro

<div><div>SC31 Pro (Anduril2.0)</div><div>Manual</div><div></div><div><p>Thank you for choosing Sofirn. Please read this user manual carefully before using the product to ensure safe and correct use.</p><p>Before using the flashlight, please ensure the battery is fully charged and the flashlight is in good working condition.</p><p>For more information, please visit our website: <a href="http://www.sofirn.com">www.sofirn.com</a></p><p>© 2023 Sofirn. All rights reserved.</p></div></div>	<p><a href="#">Sofirn SC31 Pro Flashlight User Manual</a></p> <p>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.</p>																																																																																																												
<div><div>ST10 Compact EDC Flashlight</div><div>Features, Specifications, and Operation</div><div></div><div><p>ST10 is a compact and portable EDC flashlight featuring a white main light, white side light, and red side light. It comes with a magnetic tail cap and magnetic clip. The flashlight is suitable for various applications. Please read the user manual carefully before using the flashlight.</p><table><tr><th colspan="6">Main Light</th></tr><tr><th>Anduril UI Mode</th><th>Beam</th><th>Distance</th><th>Beam</th><th>Beam</th><th>Beam</th></tr><tr><td>Strobe</td><td>1.0m</td><td>1000m</td><td>1000m</td><td>1000m</td><td>1000m</td></tr><tr><td>Strobe</td><td>1.0m</td><td>1000m</td><td>1000m</td><td>1000m</td><td>1000m</td></tr><tr><td>Strobe</td><td>1.0m</td><td>1000m</td><td>1000m</td><td>1000m</td><td>1000m</td></tr><tr><td>Strobe</td><td>1.0m</td><td>1000m</td><td>1000m</td><td>1000m</td><td>1000m</td></tr></table><table><tr><th colspan="6">Side Light</th></tr><tr><th>Anduril UI Mode</th><th>Beam</th><th>Distance</th><th>Beam</th><th>Beam</th><th>Beam</th></tr><tr><td>Strobe</td><td>1.0m</td><td>1000m</td><td>1000m</td><td>1000m</td><td>1000m</td></tr><tr><td>Strobe</td><td>1.0m</td><td>1000m</td><td>1000m</td><td>1000m</td><td>1000m</td></tr><tr><td>Strobe</td><td>1.0m</td><td>1000m</td><td>1000m</td><td>1000m</td><td>1000m</td></tr><tr><td>Strobe</td><td>1.0m</td><td>1000m</td><td>1000m</td><td>1000m</td><td>1000m</td></tr></table><table><tr><th colspan="6">Red Light</th></tr><tr><th>Anduril UI Mode</th><th>Beam</th><th>Distance</th><th>Beam</th><th>Beam</th><th>Beam</th></tr><tr><td>Strobe</td><td>1.0m</td><td>1000m</td><td>1000m</td><td>1000m</td><td>1000m</td></tr><tr><td>Strobe</td><td>1.0m</td><td>1000m</td><td>1000m</td><td>1000m</td><td>1000m</td></tr><tr><td>Strobe</td><td>1.0m</td><td>1000m</td><td>1000m</td><td>1000m</td><td>1000m</td></tr><tr><td>Strobe</td><td>1.0m</td><td>1000m</td><td>1000m</td><td>1000m</td><td>1000m</td></tr></table><p>Thank you for choosing Sofirn. Please read this user manual carefully before using the product to ensure safe and correct use.</p><p>© 2023 Sofirn. All rights reserved.</p></div></div>	Main Light						Anduril UI Mode	Beam	Distance	Beam	Beam	Beam	Strobe	1.0m	1000m	1000m	1000m	1000m	Strobe	1.0m	1000m	1000m	1000m	1000m	Strobe	1.0m	1000m	1000m	1000m	1000m	Strobe	1.0m	1000m	1000m	1000m	1000m	Side Light						Anduril UI Mode	Beam	Distance	Beam	Beam	Beam	Strobe	1.0m	1000m	1000m	1000m	1000m	Strobe	1.0m	1000m	1000m	1000m	1000m	Strobe	1.0m	1000m	1000m	1000m	1000m	Strobe	1.0m	1000m	1000m	1000m	1000m	Red Light						Anduril UI Mode	Beam	Distance	Beam	Beam	Beam	Strobe	1.0m	1000m	1000m	1000m	1000m	Strobe	1.0m	1000m	1000m	1000m	1000m	Strobe	1.0m	1000m	1000m	1000m	1000m	Strobe	1.0m	1000m	1000m	1000m	1000m	<p><a href="#">Sofirn ST10 Compact EDC Flashlight: Features, Specifications, and Operation</a></p> <p>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.</p>
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