

# Sofirn SC31 Pro Anduril 2 Manual



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The Sofirn SC31 Pro is a compact and powerful flashlight designed for outdoor enthusiasts, emergency situations, and everyday use. It features the highly versatile Anduril 2 firmware, which allows for a wide array of customizable settings and functions. This article will provide a comprehensive manual for using the Sofirn SC31 Pro, covering its features, operation, and maintenance to ensure you get the most out of this incredible flashlight.

## Overview of the Sofirn SC31 Pro

The Sofirn SC31 Pro is a remarkable flashlight that combines brightness, battery efficiency, and user-friendly features. With a maximum output of up to 2,000 lumens, this compact device can illuminate vast areas, making it suitable for camping, hiking, or emergency situations. The flashlight is powered by a single 21700 lithium-ion battery, which enhances its run time and overall performance.

## Key Features

- High Output: The SC31 Pro delivers an impressive maximum brightness of 2,000 lumens.
- Multiple Modes: It offers various brightness levels and special modes, including strobe and SOS.
- Anduril 2 Firmware: This advanced firmware allows for extensive customization, providing users with flexibility in operation.
- Compact Design: The flashlight is lightweight and portable, making it easy to carry in pockets or bags.
- Durable Construction: It features a robust aluminum body with an IPX8 waterproof rating, making it suitable for harsh conditions.

## Understanding Anduril 2 Firmware

Anduril 2 is a highly regarded firmware used in many high-performance flashlights, including the Sofirn SC31 Pro. This firmware enhances the flashlight's functionality, allowing users to adjust settings according to their preferences. Here are some of the key capabilities that Anduril 2 provides:

### Customizable Brightness Levels

Anduril 2 allows you to select from various brightness levels, which can be adjusted according to your needs. The standard brightness levels are:

1. Turbo: Maximum output (2,000 lumens)
2. High: Approximately 1,000 lumens
3. Medium: Approximately 300 lumens
4. Low: Approximately 30 lumens
5. Moonlight: Around 1 lumen for low-light situations

## Special Modes

In addition to standard brightness levels, Anduril 2 also includes several special modes:

- Strobe Mode: Useful for self-defense or signaling.
- SOS Mode: A distress signal pattern for emergencies.
- Firefly Mode: Extremely low output for stealthy use.

## Accessing Anduril 2 Features

To access the features of Anduril 2, users can follow these simple steps:

1. Turning On/Off: Click the switch to turn the flashlight on or off.
2. Changing Brightness Levels: While the flashlight is on, click the switch to cycle through brightness levels.
3. Accessing Special Modes: Double-click the switch to access Turbo mode. Triple-click to activate Strobe mode.

## Operating the Sofirn SC31 Pro

Operating the Sofirn SC31 Pro is straightforward, thanks to the intuitive design and Anduril 2 firmware.

Below is a step-by-step guide to help you navigate the flashlight's features:

### Initial Setup

1. Battery Installation:
  - Unscrew the tail cap of the flashlight.

- Insert the 21700 lithium-ion battery with the positive (+) end facing the head of the flashlight.
- Securely screw the tail cap back on.

## 2. Charging:

- The SC31 Pro supports USB-C charging. Connect the USB-C cable to the charging port located on the flashlight body.
- A red indicator light will show that the flashlight is charging. Once fully charged, the indicator will turn green.

## Basic Operations

- Turning On/Off: Press the tail switch once to turn on the flashlight. Press again to turn it off.
- Adjusting Brightness: When the flashlight is on, click the switch to cycle through the different brightness levels.
- Accessing Turbo: Double-click the switch to activate Turbo mode for maximum brightness.
- Using Special Modes: Triple-click the switch to activate Strobe mode, and click again to return to regular operation.

## Advanced Functions

Anduril 2 also allows for advanced functionality, such as:

- Lockout Mode: To prevent accidental activation, press and hold the switch for about 4 seconds to enter lockout mode. Repeat to unlock.
- Battery Voltage Indicator: When turning on the flashlight, the LED will blink to indicate battery voltage:
  - 3.7V and above: No blinks
  - 3.4V - 3.7V: 1 blink
  - 3.0V - 3.4V: 2 blinks

- Below 3.0V: 3 blinks

## **Maintenance and Care**

To ensure the longevity and optimal performance of your Sofirn SC31 Pro, regular maintenance is essential. Here are some tips for proper care:

### **Cleaning**

- Exterior: Wipe the outer surface of the flashlight with a soft, damp cloth to remove dirt and grime.
- Lens: Clean the lens gently with a microfiber cloth to avoid scratches.

### **Battery Care**

- Always use a compatible 21700 lithium-ion battery for best performance.
- Avoid over-discharging the battery. Recharge it when the voltage drops below 3.0V.
- Store the flashlight in a cool, dry place, away from extreme temperatures.

### **Firmware Updates**

Keep an eye out for any firmware updates from Sofirn that may enhance the functionality or performance of your SC31 Pro. Follow the manufacturer's instructions to apply any updates safely.

# Troubleshooting Common Issues

Despite its robust design, users may encounter some common issues. Here are a few troubleshooting tips:

- Flashlight Won't Turn On:
  - Check if the battery is installed correctly and is charged.
  - Ensure the tail cap is securely tightened.
- Flickering Light:
  - This may indicate a low battery. Recharge or replace the battery.
- Charging Issues:
  - Ensure the USB-C cable and charging port are clean and free of debris.

## Conclusion

The Sofirn SC31 Pro, equipped with Anduril 2 firmware, offers unparalleled performance and versatility in a compact design. Whether you are using it for outdoor adventures, emergency preparedness, or everyday tasks, understanding how to operate and maintain this flashlight will ensure you have a reliable source of light when you need it most. With its customizable features and user-friendly interface, the SC31 Pro is a worthwhile investment for anyone in need of a high-quality flashlight.

## Frequently Asked Questions

### What is the Anduril 2 firmware used in the Sofirn SC31 Pro?

The Anduril 2 firmware is an advanced user interface for flashlights that provides extensive features

such as customizable brightness levels, various modes, and battery monitoring, enhancing the functionality of the Sofirn SC31 Pro.

## **How do I access the different brightness levels on the Sofirn SC31 Pro?**

To access different brightness levels on the Sofirn SC31 Pro, simply click the switch to turn it on and then click it again to cycle through the brightness levels, which typically include low, medium, high, and turbo modes.

## **What are some key features of the Sofirn SC31 Pro with Anduril 2?**

Key features of the Sofirn SC31 Pro with Anduril 2 include customizable brightness settings, strobe and SOS modes, thermal regulation, battery voltage display, and the ability to program the flashlight for specific user preferences.

## **How can I perform a factory reset on the Sofirn SC31 Pro?**

To perform a factory reset on the Sofirn SC31 Pro, turn off the flashlight, then click the switch rapidly 10 times. The light will blink to confirm that the reset has been successfully completed.

## **Where can I find the user manual for the Sofirn SC31 Pro with Anduril 2?**

The user manual for the Sofirn SC31 Pro with Anduril 2 can typically be found on the official Sofirn website or included in the packaging of the flashlight. It is also available in community forums and flashlight enthusiast websites.

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