

## sofirn IF25A

# Sofirn IF25A Rechargeable Flashlight User Manual

Model: IF25A

## 1. PRODUCT OVERVIEW

The Sofirn IF25A is a high-performance rechargeable flashlight designed for various applications, including home use, travel, and outdoor activities. It is equipped with 4x SST20 6500K LEDs, providing a maximum output of 3800 lumens and a beam distance of up to 420 meters. This flashlight incorporates the advanced Anduril UI 2 for versatile and customizable operation.



Image: Sofirn IF25A flashlight highlighting its maximum output, throw distance, and LED type.

## 2. WHAT'S IN THE BOX

- 1x Sofirn IF25A Rechargeable Flashlight
- 1x 21700 Battery (inserted, please remove the isolation paper before first use)
- 1x USB-C Charging Cable
- 1x Lanyard
- 1x 18650 Battery Adapter Tube (for optional use with 18650 batteries)

## 3. SETUP

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### 3.1 Battery Installation

Before initial use, unscrew the tailcap of the flashlight and remove the insulating paper disc located between the battery and the spring. Ensure the battery is inserted with the positive (+) end facing towards the head of the flashlight. Securely screw the tailcap back on.



Image: Visual guide for removing the battery's insulating sheet.

### 3.2 Charging the Battery

The Sofirn IF25A features a built-in USB-C charging port. Connect the provided USB-C cable to the flashlight and a suitable USB power source. The side switch indicator LED will illuminate red during charging and turn green once the battery is fully charged. It is recommended to fully charge the battery before its first use.

## 4. OPERATING INSTRUCTIONS (ANDURIL UI 2)

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The IF25A utilizes the advanced Anduril UI 2, offering a wide range of brightness settings and special modes. While the UI is highly customizable, basic operation is straightforward.

# Advanced Anduril 2.0 UI

Easier to operate.  
More functions are waiting for your exploration.

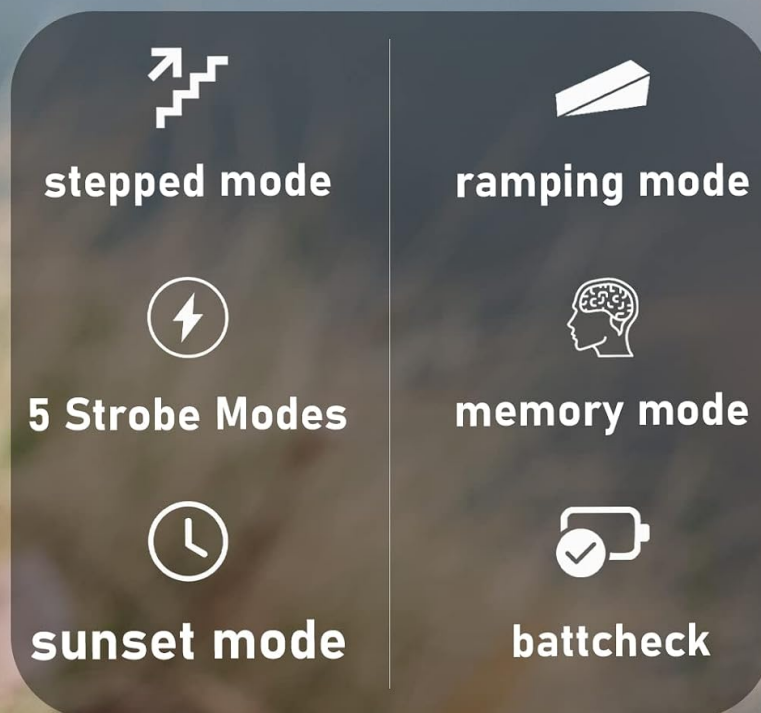


Image: Overview of Anduril 2.0 UI features.

## 4.1 Basic Operation

- **Turn On/Off:** Single click the side switch to turn the flashlight on or off.
- **Ramping Brightness:** When the light is on, press and hold the side switch to smoothly ramp the brightness up or down. Release the button to select the desired brightness level.
- **Moonlight Mode:** From off, press and hold the side switch for a very low output (moonlight mode).
- **Maximum Output (Turbo):** From on, double-click the side switch to activate maximum output.
- **Mode Memory:** The flashlight will remember the last used brightness level (excluding special modes) when turned off and on again.

## 4.2 Advanced Features (Anduril UI 2)

Anduril UI 2 offers numerous advanced features, including stepped ramping, various strobe modes (e.g., tactical strobe, party strobe, bike flasher), candle mode, sunset mode, and battery check. A detailed diagram for the full Anduril UI 2 is available online. Some key functions include:

- **Battery Check:** From off, quickly click the side switch three times to activate battery voltage indication.
- **Electronic Lockout:** From off, quickly click the side switch four times to engage electronic lockout. Repeat to unlock. This prevents accidental activation.
- **Temperature Calibration:** The flashlight's temperature regulation can be calibrated through the user

interface for optimal performance. Refer to the detailed Anduril UI 2 manual for specific instructions on this process.

## 5. MAINTENANCE

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### 5.1 General Care

Keep the flashlight clean, especially the threads and O-rings. Lubricate O-rings periodically with silicone grease to maintain water resistance. Avoid dropping the flashlight or subjecting it to severe impacts.



Image: The IF25A demonstrating its durability and water resistance.

### 5.2 Battery Care

Use only recommended 21700 or 18650 (with adapter) lithium-ion batteries. Store the flashlight with a partially charged battery if not used for extended periods. Avoid over-discharging or over-charging the battery, though the flashlight has built-in protection mechanisms.

## 6. TROUBLESHOOTING

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- **Flashlight does not turn on:**
  - Ensure the battery's insulating paper has been removed.

- Check if the battery is inserted correctly with the positive end towards the head.
  - Verify the battery is charged.
  - Tighten the tailcap and head securely.
  - Check if electronic lockout is active (four clicks to unlock).
- **Brightness steps down unexpectedly:**
    - The flashlight features intelligent temperature control. If the unit becomes too hot, it will automatically reduce output to prevent damage.
    - Low Voltage Protection (LVP) will also cause the light to step down to a lower level when the battery voltage drops below 2.8V, indicating a low battery.
    - Consider calibrating the temperature sensor via the Anduril UI 2 for optimal thermal management.
  - **Charging indicator not working:**
    - Ensure the USB-C cable is properly connected to both the flashlight and the power source.
    - Try a different USB-C cable or power adapter.

## 7. SPECIFICATIONS

Feature	Detail
Light Source	4 x SST20 LED 6500K
Maximum Output	3800 Lumens
Maximum Throw	420 Meters
Intensity	44200 cd
User Interface	Anduril UI 2
Power Source	1x 21700 Lithium Ion Battery (included)
Charging	USB-C Rechargeable
Material	Aircraft Grade 6061 Aluminum Alloy
Water Resistance	IPX-8 (Water Resistant, underwater 2 meters, not for diving)
Impact Resistance	1 Meter
Dimensions	4.17 inches (Length)
Weight	99 Grams (without battery)
Special Features	Intelligent Temperature Control, Low Voltage Protection

## 8. WARRANTY AND SUPPORT

### 8.1 Manufacturer's Warranty

The Sofirn IF25A flashlight comes with a 1-year manufacturer's warranty from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

### 8.2 Customer Support

For any questions, concerns, or issues regarding your Sofirn IF25A flashlight, please contact Sofirn customer service. Our team is available to provide responsive and helpful assistance, including support for refunds or replacements if necessary.

You can find contact information on the official Sofirn website or through your point of purchase.

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