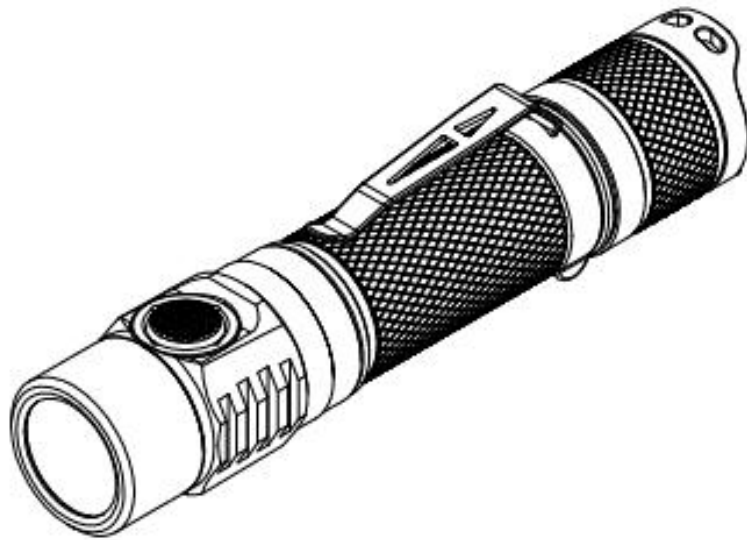


Sofirn SC31T Pro Manual



Web: www.sofirnlight.com

Email: us@sofirnlight.com

Thank you for purchasing this Sofirn product.

Contact us@sofirnlight.com if you need any assistance.

Since SC31 Pro is a popular model, more and more people asked for a flashlight with Anduril UI and tail switch. Now SC31T Pro is here. The SC31T Pro is the first Anduril flashlight with a tail tactical switch. It utilizes the same powerful SST-40 LED but a little bit brighter! The tail switch does power on and power off, while the side switch changes modes and turns off the main led (standby). Anduril2.0 UI is complex but SC31T Pro utilizes simplified Anduril UI. You can play with all the "strokes" and do 7 clicks to change indicator modes easily. That makes SC31T Pro fun to play with but easier to operate.

Important advice: Before using or charging, please unscrew the tailcap and remove the insulating sheet from the battery and screw the tailcap back on.

ANSI/NEMA FL1 Chart

Group 1 Ramping Mode	Mode	Ramping: Moon to Turbo							
	Luminous Flux [lm]	1 - 2210							
	Runtime [hrs]	depending on ramping level							
Group 2 Stepped Modes	Mode	A	B	C	D	E	F	G	H
	Luminous Flux [lm]	2	20	80	183	366	681	1152	2210
	Runtime [hrs]	The runtime differs when you choose different brightness levels.							
Impact Resistance		1m / 3.28 ft.							
Water Resistance		up to 2 meters underwater, not for diving							
Charging Specification		USB-C port, input DC 5V 1A							
Notes		With fully charged 3000mAh battery, the flashlight can last about 5 hours and 35 minutes from Turbo to out of power (when step-down is taken into consideration). Flashlight drops brightness accordingly due to over-heating protection and battery voltage.							

Safety Instructions

- ◆ SC31T Pro is a powerful flashlight. Never point the beam directly at a person, animal, or moving vehicles. Doing so could cause retinal damage. Please do not allow children to play with it. Strobe modes may cause seizures in persons with photosensitive epilepsy.
- ◆ Operating the flashlight on Turbo or High mode will warm it up. This is normal.
- ◆ When installing the battery, make sure the anode (+) side always faces towards the head/LED.
- ◆ Unscrew the tailcap half a turn to avoid unwanted activation during transport. It also prevents the battery from draining while the flashlight is on standby.
- ◆ Avoid hitting or dropping the flashlight.

Specifications

- ◆ 1 x SST40 LED
- ◆ Voltage: 2.8 - 4.2 volts
- ◆ Battery option: one 18650 li-ion battery
- ◆ Dimension: 125.5mm(length) x 25.4mm(head diameter)
- ◆ Net Weight: 61g without battery
- ◆ Made by Aircraft 6061 grade-aluminum alloy, Premium type III hard-anodized anti-abrasive finish to get solid built body, anti-crash.
- ◆ Toughened glass lens
- ◆ Mode Memory: It memorizes the last brightness level used in the general modes. It will activate the last brightness you selected, when you turn on the flashlight next time.
- ◆ Advanced temperature regulation (ATR) technology: it adjusts the brightness level automatically when the light temperature reaches 45°C to keep the light from overheating. You can reset the temperature limit, please contact us if you want to know more details.
- ◆ Low Voltage Protection: LVP makes the light step down to a lower level when the battery is lower than 2.8V, and if the light is already at the lowest level, it shuts itself off.

Getting started

Before using the flashlight, unscrew the tailcap from the tube and remove the insulating plate on the battery pole (if the battery is supplied with the flashlight). Reinsert the battery with the anode side (+) towards the head, then screw the tailcap back onto the tube. Make sure to fully charge the battery before first use.

Recharging

1. SC31T Pro offers a USB-C port for convenient recharging of its 18650 battery.
2. **Please go to standby mode before charging: click the tail switch to turn on the light, then click the side switch to enter Standby mode (main led is off but side switch led is on).**
3. Please connect it with the included USB A to USB C cable and use a USB power adapter (not included) with 5V 1A. While charging, the side switch indicator is red. It turns to Green when it's fully charged.

Operation Instructions

1. Tap the tail switch for momentary on, or fully press for constant on. Click to turn off. That's how you can use it as single mode flashlight.
2. While flashlight is on, hold side switch to change brightness or click side switch to Standby (main led is off, but side switch indicator is on).
3. It always remember the previous status: Standby or Main Led ON.
 - If you click tail switch to cut off from Standby, when you click tail switch again, it goes back to Standby. You need to click side switch to turn main led on.
 - If you click tail switch to cut off from Main Led ON, when you click tail switch again, it goes back to ON.

Side Button Presses

Side Button presses are abbreviated using a simple notation:

- 1C: One click. Press and then quickly release the button.
- 1H: Hold. Press the button, but keep holding it.
- 2C: Two clicks. Press and release quickly, twice.
- 2H: Click, hold. Click two times, but hold the second press.
- 3C: Three clicks. Press and release quickly, three times.
- 3H: Click, click, hold. Click three times, but hold the final press.

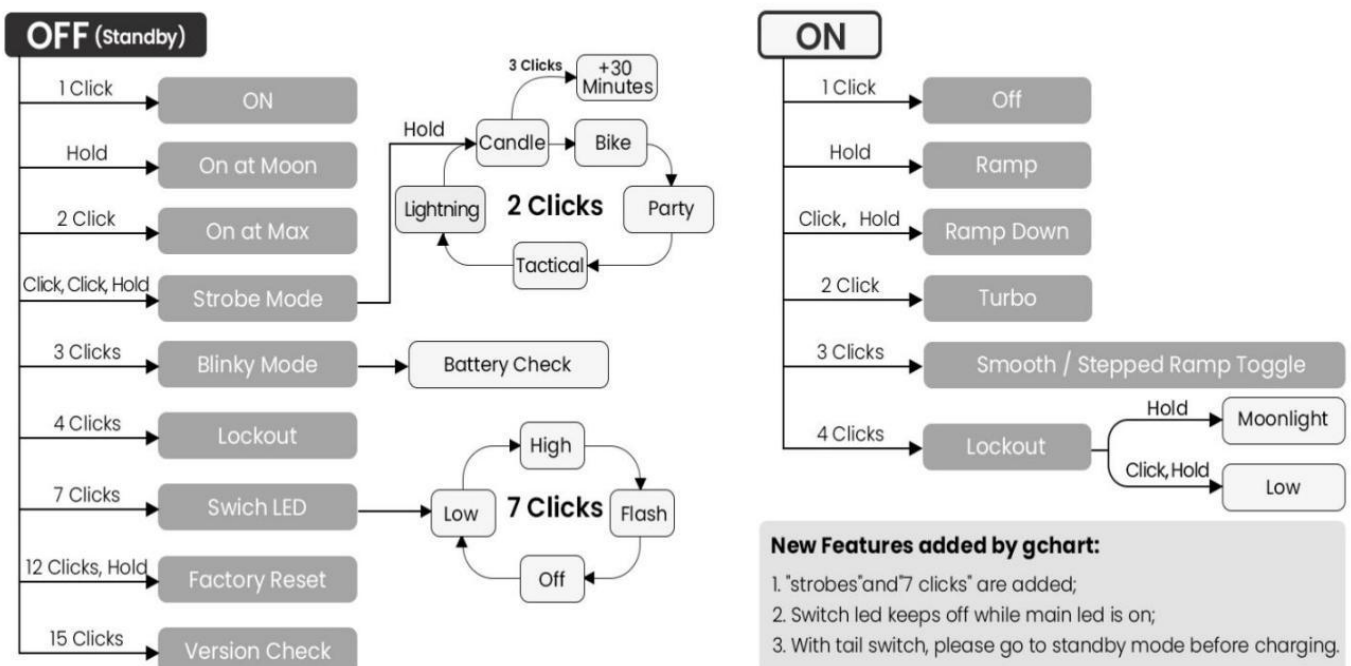
The same pattern is used with higher numbers too. For example, 13C means 13 clicks, and 13H means 13 clicks but hold the 13th press.

Simplified Anduril UI Diagram

the light uses a simplified Anduril UI. The simplified Anduril UI has all the Simple UI of Anduril2.0, "Strobes" and 7 clicks are added too.



◆ Simplified Anduril Flow



If you want to play with all those Anduril functions, please go to standby first. Click tail switch to turn on, then click side switch to turn main led off, but side switch indicator is on. That's called Standby.

Functions include:

While OFF (standby)

- 1C: On
- 1H: Ramp up (or down, if button was released less than a second ago)
- 2C: Turbo
- 3C: Battery check
- 3H: Strobe mode. In Strobe mode 2C the side switch to cycle through Candle Mode- Bike Flasher- Party Strobe- Tactical Strobe- Lightning Storm
- 4C: Lockout mode
- 7C: Change the brightness of button LED (Low-High-Flash-Off)
- 13H: Factory reset
- 15C: Version check

While On

- 1C: Off
- 1H: Ramp up (or down, if button was released less than a second ago)
- 2C: Turbo
- 2H: Ramp down
- 3C: Smooth ramping/ Stepped ramping toggle
- 4C: Lockout mode

In Lockout mode with Simple UI, there are a few functions:

- 1H: Momentary moon
- 2H: Momentary low
- 3C: Unlock to standby
- 4C: Unlock to main led on

If you find it difficult to remember all those clicks, you can reach me by scanning my WhatsApp QR code. I am on the other side of earth with huge different time zone, but I will reply asap.

Email address:

barry0892@hotmail.com



Troubleshooting and Maintenance

- ◆ Disassembling the sealed head can damage the flashlight and void the warranty.
- ◆ Sofirn Ltd. recommends using high-quality brand batteries. Damage by battery leakage voids the warranty.
- ◆ Remove the battery if the flashlight will not be used for an extended period of time.
- ◆ To prevent self-discharge or accidental activation during storage or transportation, unscrew the tailcap by half a turn or remove the battery.
- ◆ Every 6 months threads should be wiped with a clean cloth followed by a thin layer of silicone grease.
- ◆ To maintain a proper level of waterproofness, replace worn-out o-rings with an approved spare.
- ◆ Troubleshooting: Clean battery contacts regularly as dirty contacts may impair the performance of the flashlight. If you experience problems (flicker, shine intermittently or failure turn on) the following root causes and solutions should be tried:

Reason A: The battery needs a replacement.

Solution: Replace the battery with an approved type of a fully charged battery.

Reason B: Threads, PCB board contact or other contacts are dirty.

Solutions: Please clean the contact points with a cotton swab soaked in rubbing alcohol.

Reason C: The flashlight will not turn on upon first use.

Solution: Please do not forget to remove the insulation sticker from the battery on first use.

If the above methods do not work please refer to the warranty policy before contacting your authorized distributor.

Sofirn Limited:

Tel: +86-755-23440047 Fax: +86-755-23440141

Web: www.sofirnlight.com

E-mail: us@sofirnlight.com eu@sofirnlight.com wholesale@sofirn.cn

Please contact us if you have any questions.

If your product is defective please contact us for replacement within warranty period.

Manufacturer: Shenzhenshi Jinba Technology Co.,Ltd

Address: 1/F to 9/F, 1st Building, NO.110 Tenglong Industrial Center, Guanlan Street, Longhua New District, Shenzhen 518000, China