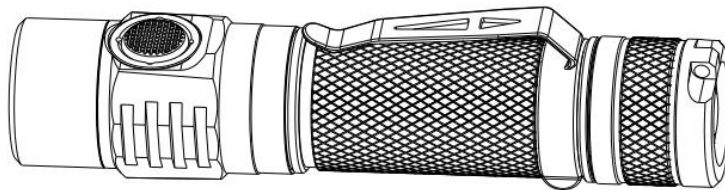


SC31 Pro (Anduril2.0)

Manual



Thank you for choose SOFIRN. If you have any questions, please contact us@sofirnlight.com (amazon us); eu@sofirnlight.com(amazon eu); or sofirnlight@gmail.com (website order)

SC31pro is using Anduril2 now. Anduril2 is upgraded version of Anduril. Anduril2 changes a lot. It has Simple UI for new users and Advcanced UI for flasholics. This manual is not telling the whole Anduril2 UI because it's too complex and Anduril2 keeps upgrading. You will read details of Simple UI, and see a UI diagram picture. Please contact us for pdf file so you can ready the entire UI easily.

If you get lost in UI, please do Factory Reset: unscrew body, hold switch, screw body tight, keep holding switch till it blinks

Safety Instruction

- * Do not point the beam at people's eyes. Doing so could cause retinal damage.
- * SC31 Pro is a very high-intensity flashlight. Do not point directly at a person, animal, moving vehicles or flammable materials. Please do not allow children to play with it.
- * Avoid hitting or dropping the flashlight.
- * Please install the cells correctly, make sure the anode side towards the head.
- *Please know that it gets hot quickly when you use the max brightness, it drops down to much lower brightness automatically to avoid over heating.
- *Please avoid using max brightness too long before it gets very hot.

The product uses copyrighted code released under the GNU Public License v3 (GPLv3).

To know about the exact source code used in the product, please go to

<https://tiny.cc/TKAnduril>

Specifications

Technical Parameters	
Modes(stepless ramping)	Moonlight - Turbo
Brightness	1 LM - 2000 LM
Running Time	Lower brightness, longer running time
Distance	Max 226 meters
Intensity	12766 cd
Impact Resistant	1 Meter
Water Resistant	IPX8, underwater 2 Meter (Not for diving)
Notes	Note: The running time may vary according to usage, batteries and environment. Turbo is tested under temperature regulation. We tested flashlight in lab by sofirn 3000mAh 18650battery. And the operation temperature is 0°C-40°C.

★ 1 x SST40 LED

★ Voltage: 2.8 - 4.2 volts

★ Battery Supported: one 18650 li-ion battery

★ Dimension: 117.5mm(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 overheat. 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.

Battery Specifications:

Battery Types	Dimension & Quantity	Nominal Voltages	Can be used or not
Li- ion battery	18650 *1	3.7V	Recommended

Battery Replacement:

Unscrew the body, and insert battery with the anode side(+) towards the light's head/ LED, and then screw the tail cap back on.

Operation Instruction:

Quick Start

After putting a battery in the light and tightening the parts together, the light should quickly blink once to confirm it has power and is now operational. After that, basic usage is simple:

Click to turn the light on or another click to turn it off.

- Hold the button to change brightness.
- Release and hold again to change brightness the other way.

That is all the user needs to know for basic use, but there are many more modes and features available for people who want more.

Before reading the rest of this manual, it is recommended that users look at the Anduril UI diagram(s), which should be provided along with the flashlight.

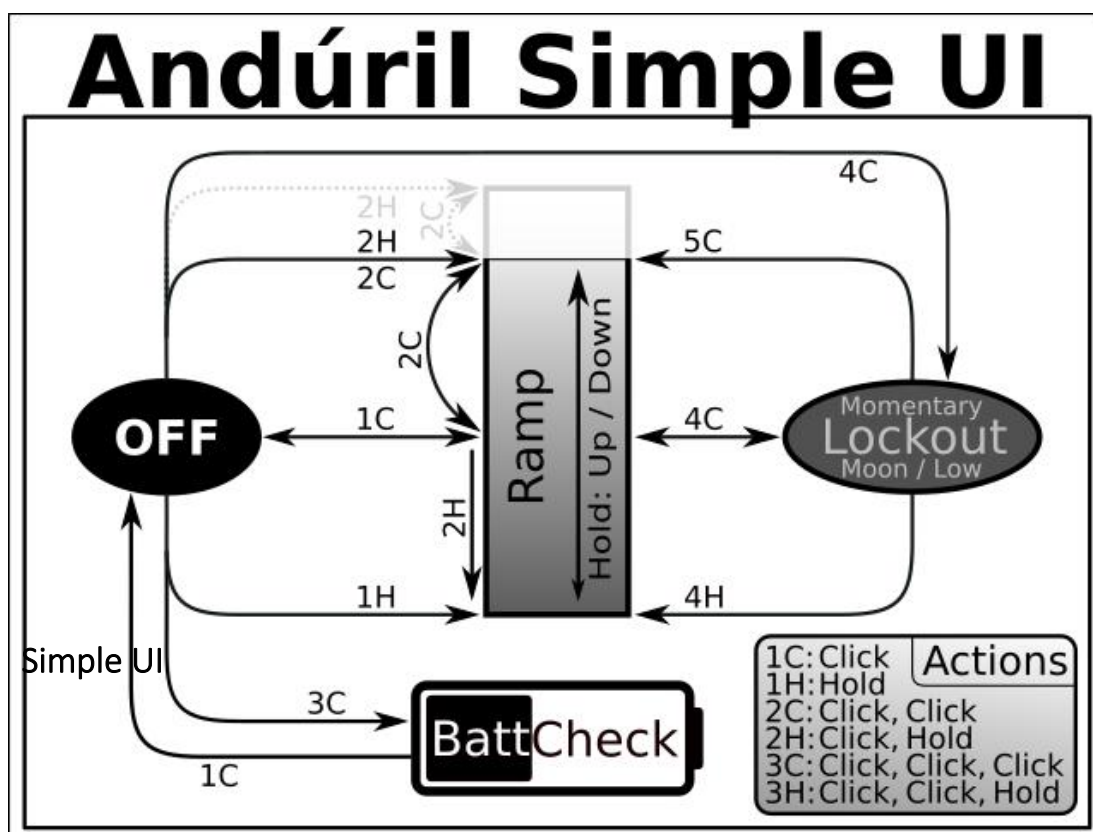
Button presses

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, 10C means ten clicks... and 10H means ten clicks but hold the final press.

Simple UI Diagram Not everything is covered in the diagram, please read the text.



By default, the light uses a simple UI. This is useful if you lend the light to someone else, or if you just don't want to bother with any crazy disco modes.

Simple UI has all the basic functions needed to work as a flashlight, but the minimum and maximum brightness are limited to make it safer, and any complex or advanced functions are blocked.

Functions available in Simple UI include:

- 1C: On / off
- 1H: Ramp up (or down, if button was released less than a second ago)
- 2H: If light is on : ramp down
If light is off: momentary high mode
- 2C: Double click to go to / from highest safe level
- 3C: Toggle between SMOOTH RAMPING and STEPPED RAMPING (while light is on)
- 4C: Lockout mode.

Some other modes and functions are available too. When the light is off, these are the options:

- 3C: Battery check mode. (displays voltage once, then turns off)
- 4C: Lockout mode.
- 10H: Switch to Advanced UI.
- 15C or more: Version check.

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

- 1H: Momentary moon
- 2H: Momentary low
- 4C: Unlock and turn on
- 4H: Unlock and turn on at low level
- 5C: Unlock and turn on at high level

To **change between Simple UI and Advanced UI**, turn the light off and then do one of these:

In Simple UI:

- 10H: Go to Advanced UI.

In Advanced UI:

- 10C: Go to Simple UI.
- 10H: Configure Simple UI.

If you get lost, or if you want to auto-calibrate the temperature sensor, do a **Factory Reset**. The process for this is:

- Loosen body tube
- Hold button
- Tighten body tube
- Keep holding button for about 4s

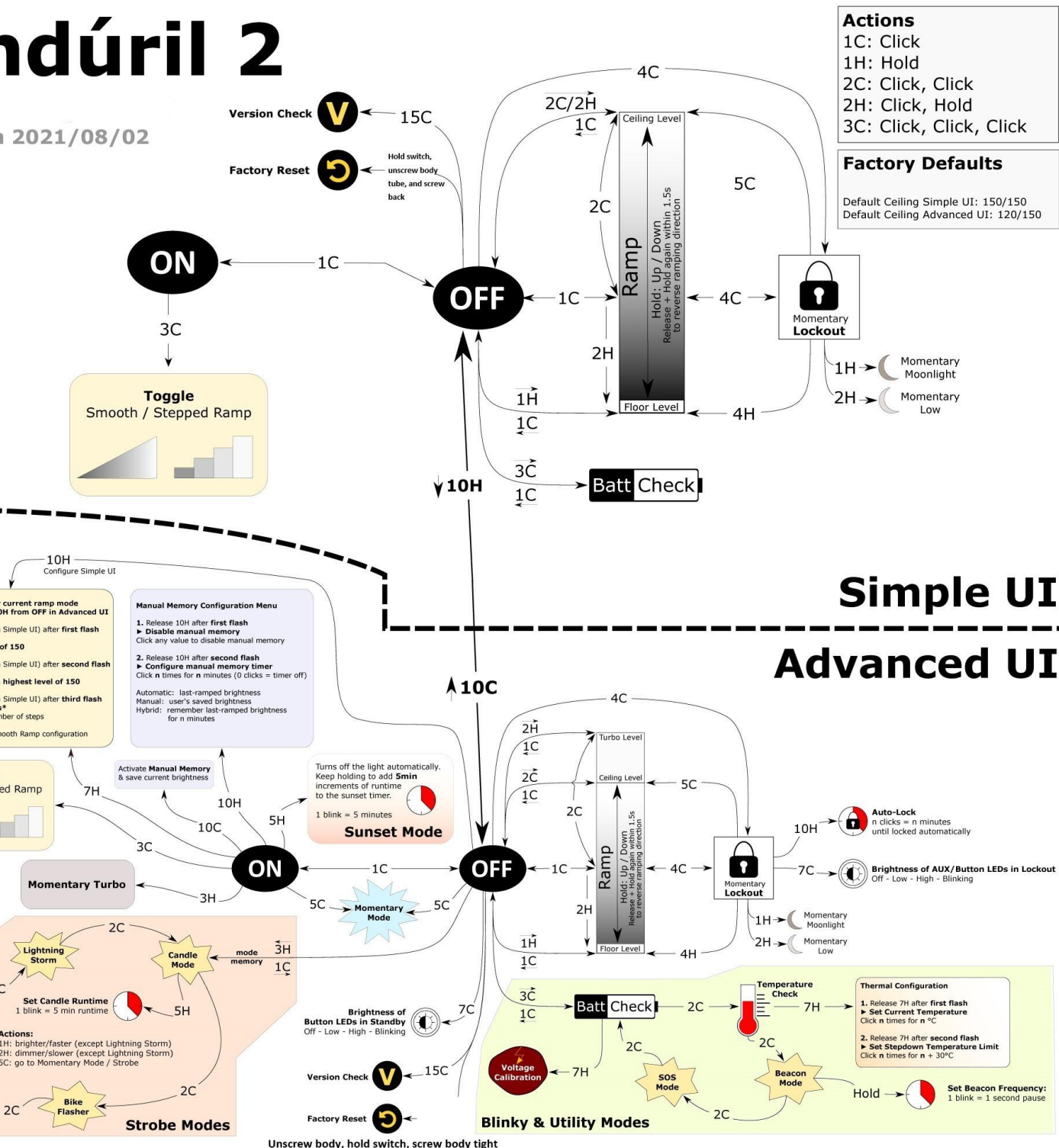
The light should flicker while getting brighter, then briefly burst to full power. Hold until it reaches full power to do a reset, or let go of the button early to abort.

Advanced UI

Advanced UI has all the advanced functions which are fun to play with but also hard to learn. Please refer the UI diagram below. Please ask us for pdf file so you can ready easily. We can also send video link to show how to play with Anduril2

Anduril 2

2021/08/02



FAQ

-why the item won't work without plug?

Solution: uncrew the body and remove the round insulating paper/sheet, screw back and try again.

-why the item flashes improperly?

Solution: screw the tube, clean the contacts with clean cloth with alcohol. Screw back tightly again.

Usage and Maintenance:

- ※ Disassembling the sealed head can cause damage to the light and void the warranty.
- ※ Sofirn recommends using high-quality batteries. If the flashlight will not be used for an extended period, please remove the battery, or the flashlight might be damaged by the electrolyte leakage or battery explosion.
- ※ Please unscrew the tail cap one-half turn or take out the battery to prevent accidental activation during storage or transportation.
- ※ please use cleaning cloth to clean the thread every 6 months, and it will be better to use silicone grease to oil thread.
- ※ Long-term usage can result in O-ring wear. To maintain a proper water seal, replace the ring with an approved spare.
- ※ Periodic cleaning of the battery contacts improves the flashlight's performance as dirty contacts may cause the flashlight to flicker, shine intermittently or even fail to illuminate for the following reasons:

Reason A: The battery needs replacement.

Solution: please replace battery. Please confirm the correct installation Reason B: The threads, PCB board contact or other contacts are dirty.

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

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

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Please contact us if you have any questions.

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

Manufacturer: Shenzhenshi Jinba Technology Co.,Ltd

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