SOFIRN®

SR20 MINI
User
Manual

The SR20 MINI is a versatile flashlight equipped with both white and red lights. It features easy operation and is well-suited for everyday carry.

ANSI/NEMA FL1 Chart

White light:

Modes	Moonlight	Low	Medium	High	Turbo	Strobe
Output	1lm	10lm	150lm	500lm	1200lm-500lm	1200lm
Beam Distance	3m	20m	52m	96m	142m	-
Runtime	460h	32h50min	4h30min	1h30min	2min-1h	2h
Peak Intensity	2.8cd	97.5cd	687.5cd	2325.0cd	5050.0cd	-

Red light:

Modes	Moonlight	Low	Medium	High	Turbo	Flash 0.5HZ
Output	1lm	3lm	40lm	70lm	150lm	40lm
Beam Distance	3m	10m	15m	19m	28m	-
Runtime	270h	44h10min	4h	2h10min	2h	8h
Peak Intensity	1.8cd	25cd	56.3cd	90.0cd	191.3cd	-
IMPACT RESISTANCE	1m / 3.28ft					

WATER RESISTANCE	IPX-8 (not for diving)
NOTE	The parameters mentioned above are based on tests conducted under laboratory conditions (temperature: 25°C), using an 18350 lithium-ion battery with a capacity of 1100mAh. Variations in temperature, battery, and environmental factors may affect the test results.

Specifications

❖ Emitter: 3 high-powered white LEDs , 3 high-powered red LEDs

❖ Driver: FET driver for white light, buck driver for red light

❖ Battery Option: 1×18350 battery

❖ Working Voltage: 3.0V-4.2V

❖ Mode Operation: e-switch

❖ USB Type-C charging

❖ Material: AL6061-T6 aluminium alloy
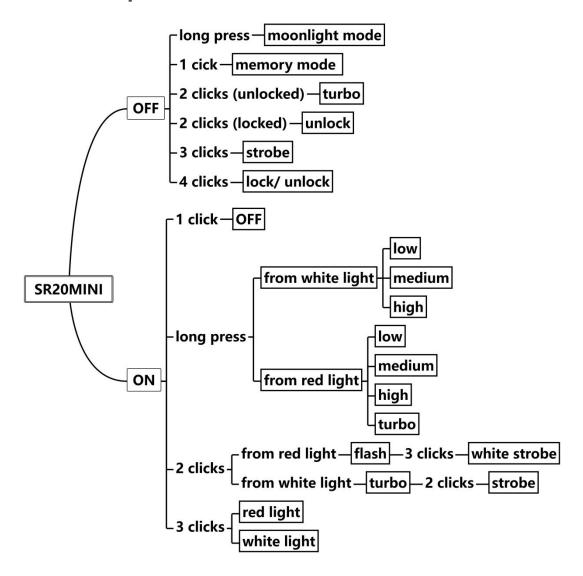
❖ Water Resistance: IPX-8 waterproof

❖ Size: 31.7mm*80mm

❖ Weight: 35g(without battery)

❖ Reverse polarity protection from improper battery installation.

❖ The temperature protection system activates automatically if the temperature exceeds 55°C. This system reduces the output current to maintain an optimal outer temperature, ensuring a better using experience.

❖ The flashlight will only respond to the medium mode when charging.

General Operation

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                    ┌─ long press ── moonlight mode
                    ├─ 1 cick ── memory mode
                    ├─ 2 clicks (unlocked) ── turbo
              OFF ──┤
                    ├─ 2 clicks (locked) ── unlock
                    ├─ 3 clicks ── strobe
                    └─ 4 clicks ── lock/ unlock

                    ┌─ 1 click ── OFF
                    │                              ┌─ low
                    │          ┌─ from white light ─┼─ medium
                    │          │                    └─ high
  SR20MINI ──┤      │          │                    ┌─ low
             │      ├─ long press                   ├─ medium
             │      │          └─ from red light ───┼─ high
             │      │                               └─ turbo
             │      │          ┌─ from red light ── flash ── 3 clicks ── white strobe
             ON ────┤─ 2 clicks ┤
                    │          └─ from white light ── turbo ── 2 clicks ── strobe
                    │          ┌─ red light
                    └─ 3 clicks ┤
                               └─ white light
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SR20 MINI has both white light and red light, both of them are controlled by one side switch.

Battery Level Indicator

After turning on the SR20 MINI, the indicator will display the power status for 5 seconds.

Green Constant On = 70%-100%

Red Constant On = 30%-70%

Red Flashes = 1%-30%

Note: When the flashlight is on, red indicator will keep flashing when the

remaining battery is lower than 20%. The flashlight automatically turns off when the battery voltage is lower than 2.7V.

Light Indicator When Charging

Red = Charging

Green = Fully Charged

SR20 MINI offers a USB type-C charging port for convenient charging. Please connect it with the included charging cable and use a USB power adapter (not included) with 5V/2A (max) output.

Contact

Please contact us for a refund or replacement if your flashlight has a problem within the warranty period.

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Please contact us if you have any questions.

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