



NITECORE MT21C Multi Functional Flashlight Kit User Manual

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NITECORE MT21C Multi Functional Flashlight Kit



Features

- Multifunctional 90° adjustable flashlight
- Utilizes a CREE XP-L HD V6 LED
- Max output up to 1000 lumens
- Integrated “Precision Digital Optics Technology” provides unparalleled reflector performance
- Boasts a peak beam intensity of 8500cd and a max throw of 184 meters
- Side switch controls 5 brightness levels and 3 special modes
- High efficiency constant circuit provides unwavering output with runtime up to 700 hours
- Integrated power indicator light displays remaining battery power
- Power indicator displays battery voltage (accurate to $\pm 0.1V$)
- Advanced Temperature Regulation module
- Polarity reverse protection
- Toughened ultra-clear mineral glass with anti-reflective coating
- Constructed from aero grade aluminum alloy with HAIII military grade hard-anodized finish
- Waterproof in accordance with IPX8 (two meters submersible)
- Impact resistant to 1 meter
- Magnetic base and tail stand capability

Dimensions

Length: 131mm (5.16")

Head Diameter: 25.4mm (1")

Tail Diameter: 25.4mm (1")

Weight: 103.5g (3.65oz)







Accessories

2×spare O-rings, lanyard, clip, holster

Battery Options

	SIZE	Nominal Voltage	Compatible
18650 Rechargeable Li-ion battery	18650	3.6V/3.7V	Y (Recommended)
Primary Lithium battery	CR123	3V	Y (Recommended)
Rechargeable Li-ion battery	RCR123	3.6V/3.7V	Y

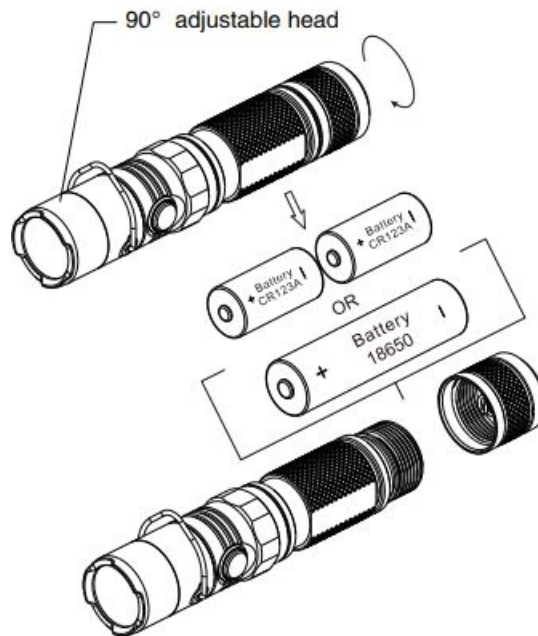
Technical Parameter

FL1 STANDARD	Turbo	High	Mid	Low	Ultra-low	Strobe	Beacon	SOS
	1000 LUMENS	400 LUMENS	190 LUMENS	50 LUMENS	1 LUMEN	1000 LUMENS	1000 LUMENS	1000 LUMENS
	*1h	3h45min	7h30min	25h	700h	—	—	—
	184m	122m	85m	42m	6m	—	—	—
	8500cd	3720cd	1800cd	450cd	10cd	—	—	—
	1m (Impact Resistance)							
	IPX8, 2m (Waterproof AND Submersible)							

NOTICE: The above data has been measured in accordance with the international flashlight testing standards ANSI/NEMA FL1 using 1×18650 Li-ion battery (3500mAh). The data may vary slightly during real-world use due to battery type, individual usage habits and environmental factors.

* The runtime for Turbo mode is the testing result before starting temperature regulation.

Operation Instructions



The head of MT21C can be adjusted from 0°- 90° based on users' need.

Battery Installation

Insert battery as illustrated in the diagram. Upon battery installation, the light blinks to report battery voltage (refer to the Power Tip section for details)

NOTE:

1. Ensure the batteries are inserted correctly. The MT21C will not operate if batteries are incorrectly inserted.
2. Avoid direct eye exposure.
3. When the flashlight is kept in a backpack, loosen the tail cap to prevent accidental activation of the flashlight;
When it is left unused for extended periods of time, please remove all batteries to prevent battery leakage.

On/Off

Turn on: When the light is off, press and hold the On/Off switch to enter the Ultra-low mode. Turn off: When the light is on, press and hold the On/Off switch to turn off the light.

Brightness Selection

When the light is on, tap the On/Off switch to cycle through "Ultralow-Low-Mid-High-Turbo".

Constant Turbo

When the light is off, press and hold the On/Off switch to enter Ultralow and then Turbo. Release the button once Turbo is activated for constant output.

Momentary Turbo

When the light is off, press and hold the On/Off switch to enter Ultralow and then Turbo. Release the button after 2.5 seconds to exit.

Special Mode (Strobe/SOS/Beacon)

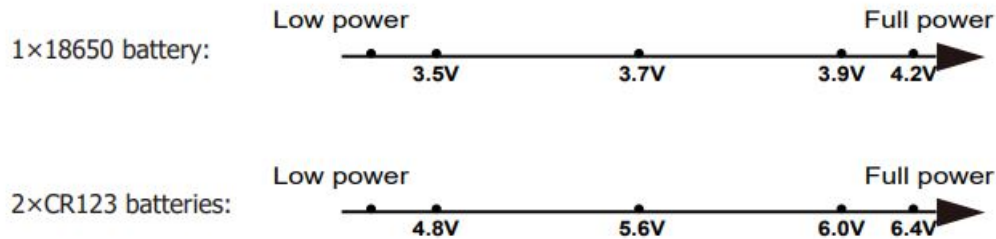
In any state, quickly tap the On/Off switch 3 times successively to enter Strobe. Tap the On/Off switch again to cycle through "Beacon-SOS-Strobe". To exit, simply press and hold the On/Off switch.

Power Tips

1. When the light is on, the power indicator will blink once every two seconds when power level drops to 50%; the

power indicator will blink quickly when power level is low.

- When the light is off, tap the ON/OFF switch, the blue indicator will report battery voltage (to the nearest $\pm 0.1V$). For example, when the battery voltage is at a maximum charge of 4.2V, the blue indicator will blink 4 times, followed by a one second pause and 2 more blinks before entering the standby status. Different voltages represent the corresponding remaining battery power levels:



Note: when using two CR123/RCR123 in series, the flashlight only reports the average voltage between the two batteries.

ATR (Advanced Temperature Regulation)

With Advanced Temperature Regulation module, the MT21C regulates its output and adapts to the ambient environment, maintaining optimal performance.

Changing Batteries

Batteries should be recharged or replaced if any of the followings occurs: the blue indicator blinks quickly; output appears to be dim or the flashlight becomes unresponsive.

Maintenance

Every 6 months, threads should be wiped with a clean cloth followed by a thin coating of silicon-based lubricant.

Warranty Service

All NITECORE® products are warranted for quality. DOA/defective products can be exchanged for replacement through a local distributor/dealer within the 15 days of purchase. After 15 days, all defective / malfunctioning NITECORE® products will be repaired free of charge for a period of 60 months from the date of purchase. After 60 months, a limited warranty applies, covering the cost of labor and maintenance, but not the cost of accessories or replacement parts.

The warranty is nullified in all of the following situations:

- The product(s) is/are broken down, reconstructed and/or modified by unauthorized parties.
- The product(s) is/are damaged through improper use. (i.e. reverse polarity installation)
- The product(s) is/are damaged by leakage of batteries.

For the latest information on NITECORE® products and services, please contact a local NITECORE® distributor or send an email to service@nitecore.com

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Documents / Resources



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