NITECORE®
The All-Round Flashlight Expert

EC4 User Manual

Features
· The world's first die-cast flashlight
· Solid lightweight aero grade aluminum alloy construction
· Utilizes a CREE XM-L2 U2 LED
· Maximum output of up to 1000 lumens
· Dual switch design offers unprecedented ease of use
· Thumbscrew lock on tailcap doubles as a tripod connector
· 5 brightness levels and 3 special modes available
· High efficiency constant current circuit enables maximum runtime of 260 hours
· Features advanced temperature regulation (ATR) technology
· A power indicator built into the on/off switch indicates remaining battery power (patented)
· Direct access to ultra-low and turbo output
· A micro-textured reflector offers wide angle lighting
· Reverse polarity protection prevents damage arise from incorrectly inserted batteries
· Stainless steel retaining ring protects core components from damage
· Toughened ultra-clear mineral glass with anti-reflective coating
· Waterproof in accordance with IPX-8 (2 meters submersible)
· Impact resistant to 1.5 meters
· Tail stand capability

Dimensions
Length: 5.90" (150mm)
Head diameter: 1.57" (40mm)
Tube: 1.54" × 1.10" (39mm×28mm)
Weight: 6.03oz (171gram) (without battery)

Accessories
Quality holster, lanyard

Battery Options

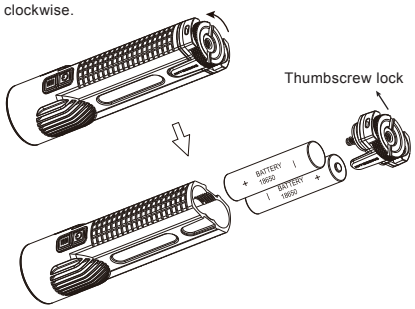
	TYPE	Nominal voltage	Compatible
18650 Rechargeable Li-ion battery	18650	3.7V	Y (Recommended)
Primary Lithium battery	CR123	3V	Y (Recommended)
Rechargeable Li-ion battery	RCR123	3.7V	Y

Output & Runtime

FL 1 STANDARD	TURBO	HIGH	MID	LOW	LOWER
	1000 LUMENS	520 LUMENS	240 LUMENS	80 LUMENS	1 LUMEN
2×18650	1h30min	3h45min	7h45min	19h45min	260h
4×CR123	1h15min	3h	7h30min	16h30min	170h
	322m (Beam Distance)				
	26000cd (Peak Beam Intensity)				
	1.5m (Impact Resistant)				
	IPX-8, 2m (Waterproof AND Submersible)				

NOTICE:
The stated data has been measured in accordance with the international flashlight testing standards ANSI/NEMA FL1, using 2 x Nitecore 18650 Li–ion batteries (3.7V, 2600mAh) or 4 x Nitecore CR123 batteries (3V, 1700mAh) under laboratory conditions. The data may vary in real–world use due to different battery usage or environmental conditions.

Operating Instructions
Battery Installation
As illustrated, rotate the thumbscrew lock counterclockwise and screw the tail cap off. Insert batteries with the negative (-) ends contacting the springs, and then tighten the thumbscrew lock clockwise.



NOTE: After battery insertion, the power indicator light will blink to indicate remaining battery power. Please refer to the "Power Tips" section of this manual for details.
WARNING:
1. Insert batteries correctly. The EC4 will not be operational with incorrectly inserted batteries.
2. Do not mix rechargeable and non-rechargeable batteries.
3. Do not mix batteries of different types/brands.

On/Off Operation
To switch on: Press the on/off switch to turn the light on
To switch off: Press the on/off switch again to turn the light off and enter standby mode

Standby Mode
With the light turned on, press and hold the on/off switch for over one second to turn the light off and activate the power indicator to blink once every three seconds, thus helping users locate the EC4 in dark conditions. When powered by 2x18650 batteries, the EC4 can operate for over 6 months with the power indicator on, or remain on standby for over 12 months with the power indicator off.

Brightness Levels
With the light turned on, press the mode switch repeatedly to cycle through brightness levels of ultra-low, low, medium, high and turbo. This mode has memory effect that ensures direct access to the brightness level last used.

Direct Access to Ultra-low/Turbo
With the light turned off, press and hold the on/off switch for over one second to enter ultra-low mode (1 lumen)
With the light turned off, press and hold the mode switch for over one second to enter turbo mode (1000 lumens)

Special Modes (Strobe/Location Beacon/SOS)
With the light turned on, press and hold the mode switch for over one second to enter strobe mode. To cycle through location beacon/SOS/strobe modes, simply press and hold the mode switch for over one second again. To exit special modes, simply press the on/off switch to turn the light off.

Strobe Ready
With the light turned off, press the mode switch twice in quick succession to enter strobe mode directly. To exit, simply press any switch to turn the light off.

Lockout/Unlock
With the light turned on, press and hold both switches for over one second to switch the light off and enter lockout mode. In this mode, the two switches will not have their respective function, thus preventing accidental activation of the EC4. To unlock, simply press and hold both switches for over one second again.
NOTE:
1. When in lockout mode, the EC4 will remain operational using 2x18650 batteries for over 12 months.
2. When the EC4 is kept in a backpack or left unused for extended periods, Nitecore recommends batteries are removed to cut off power entirely and thus prevent battery leakage or accidental activation of the flashlight.

Power Tips
After battery installation or with the mode switch being pressed when the light is off, the blue power indicator built into the switch will blink to indicate remaining battery power. The power indicator will blink three times when power level is above 50%; twice when power level is below 50%; and once when battery power is close to depletion.

ATR Technology
Advanced temperature regulation (ATR) technology allows the EC4 to dynamically adjust output performance according to its body temperature. This prevents damage from overheating and prolongs its working life.

Changing / Charging Battery
Batteries should be replaced or recharged when 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. Any defective / malfunctioning NITECORE® product can be repaired free of charge for a period of 60 months (5 years) from the date of purchase. Beyond 60 months (5 years), 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:
1. The product(s) is/are broken down, reconstructed and/or modified by unauthorized parties.
2. The product(s) is/are damaged through improper use.
3. 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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