NITECORE®
The All-Round Flashlight Expert

EA21 User Manual

Features
· Utilizes CREE XP-G2 (R5) LED
· Maximum output of 360 lumens
· Integrated “Precision Digital Optics Technology” provides extreme reflector performance
· Boasts a peak beam intensity of 7000 cd and a throw distance of up to 167 meters
· Dual-switch design ensures unprecedented ease of use
· Secondary red LED provides constant / flashing illumination
· Indicates battery voltage with a red flashing LED (accurate to 0.1V)
· High efficiency constant current circuit enables maximum runtime of up to 30 hours
· Direct access to ultra-low and turbo output
· Reverse polarity protection prevents damage from incorrectly inserted batteries
· Detachable two-way anti-rolling clip
· Toughened ultra-clear mineral glass with anti-scratch coating
· Constructed from aero grade aluminum alloy
· HAIII military grade hard-anodized
· Waterproof in accordance with IPX-8 (2 meters submersible)
· Impact resistant to 1 meter
· Tail stand capability

Dimensions
Length: 5.57” (141.5mm)
Head diameter: 1” (25.4mm)
Tail diameter: 0.83” (21.2mm)
Weight: 2.36oz (67 gram) (without battery)

Accessories
Quality holster, clip, lanyard, spare O–ring

Battery Options

	TYPE	Nominal voltage	Compatible
Primary AA battery	AA	1.5V	Y (Recommended)
Rechargeable AA battery	AA	1.2V	Y (Recommended)
Primary AA Li-ion battery	L91	1.5V	Y (Recommended)
Rechargeable Li-ion battery	14500	3.7V	N (Banned)

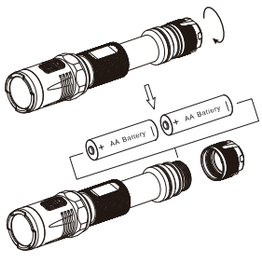
Output & Runtime

FL1 STANDARD	TURBO	HIGH	MID	LOW	LOWER	RED	RED FLASH	STROBE	SOS	LOCATION
	360 LUMENS	220 LUMENS	110 LUMENS	35 LUMENS	1 LUMEN	0.8 LUMENS	0.8 LUMENS	360 LUMENS	360 LUMENS	360 LUMENS
	1h 15min	2h 15min	5h 45min	11h	30h	23h	25h	—	—	—
	167m	130m	92m	48m	8m	1m	—	—	—	—
	7000cd	4200cd	2140cd	590cd	17cd	0.35cd	—	—	—	—
	1m (Impact Resistant)									
	IPX8, 2m (Waterproof AND Submersible)									

NOTICE:
The stated data has been measured in accordance with the international flashlight testing standards ANSI/NEMA FL1, using two high quality AA rechargeable batteries (1.2V, 2500mAH) under laboratory conditions. The data may vary in real-world use due to different battery usage or environmental conditions.

Operating Instructions

Battery Installation
Insert two AA batteries as illustrated
NOTE: After loading the batteries, the secondary red LED will flash to indicate battery voltage. Please refer to the “Power Tips” section of this manual for details.
WARNING:
Ensure batteries are inserted with the positive (+) end pointing towards the head. The EA21 will not be operational with incorrectly inserted batteries.



On / Off Operation
To switch ON: Press the ON/OFF button once.
To switch OFF: Press the ON/OFF button once again to switch the light off and enter standby mode

Standby Mode
With the light switched on, press and hold the ON/OFF button for more than one second to switch the light off and activate the secondary red LED to flash once every three seconds, thus helping the user locate the EA21 in dark conditions. With the red LED on, the EA21 will operate for up to 8 consecutive days. With the red LED off, the EA21 can remain on standby for more than 300 days.

Brightness Levels
With the EA21 switched on, press the MODE button repeatedly to cycle through the following brightness levels: ultra-low, low, medium, high and turbo. Once a brightness level is selected it will be saved and resumed when the EA21 is reactivated.

Direct Access to Ultra–low/Turbo Output
With the light switched off, press and hold the ON/OFF button for more than one second to access ultra-low mode (1 lumen).
With the light switched off, press and hold the MODE button for more than one second to access turbo mode (360 lumens).
NOTE: When in turbo mode, the EA21 will adjust output luminance automatically within 3 minutes of use to prevent overheating and extend battery longevity.

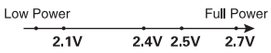
Red Light / Signal Light Mode
With the light switched off, press the MODE button to enter red light mode. In this mode, the secondary red LED will illuminate steadily.
When in red light mode, press and hold the MODE button for more than one second to enter signal light mode. In this mode, the secondary red LED will flash to serve as a signal light.
Simply press any button to exit the red light /signal light mode.

Special modes (Strobe/Location/SOS)
With the light switched on, press and hold the MODE button for more than one second to enter strobe mode. When in strobe mode, press and hold the MODE button for more than one second again to cycle through Location Beacon, SOS and Strobe modes. To exit, simply press the MODE button to resume the brightness level last used, or press the ON/OFF button to switch the light off.

Strobe Ready
With the light switched off, press the MODE button twice in quick succession to enter Strobe mode. To exit, simply press any button.

Lockout / Unlock
With the light switched on, press and hold the ON/OFF button and the MODE button simultaneously for over one second to switch the light off and enter lockout mode. In lockout mode, the EA21 conserves battery power for over 300 days; the two buttons on EA21 will not work, thus preventing accidental activation of the light. To exit lockout mode, simply press and hold the ON/OFF button and the MODE button simultaneously for over one second again.
NOTE:
1. Upon entering lockout mode, the secondary red LED will flash to indicate battery voltage. Please refer to the “Power Tips” section for more details.
2. When the EA21 is kept in a backpack or left unused for extended periods, Nitecore recommends the tailcap is loosened or batteries are removed to cut off the power entirely, thus preventing accidental activation of the flashlight or battery leakage.

Power Tips
After battery installation or lockout mode activation, the secondary red LED will flash to indicate battery voltage (accurate to 0.1V). For example, when battery voltage is at 2.4V, the red LED will flash 2 times, followed by a one second pause and another 4 flashes. Different voltages represent the corresponding remaining battery power levels:



Changing / Charging Batteries
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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