NITECORE®
The All-Round Flashlight Expert

P20 User Manual

Features
• Premium CREE XM-L2 (U2) LED
• Maximum output of 800 lumens
• Crystal Coating Technology combined with "Precision Digital Optics Technology" for extreme reflector performance
• Boasts a peak beam intensity of 11,100cd and a throw distance of up to 210 meters
• Highly efficient circuit offers up to 26 hours of use on low
• Dual-switch tail cap designed for tactical use and easy application
• STROBE READY™ button for quick access to Strobe Mode (Patent No.201320545349.4)
• Three selectable modes brings flexibility in operation
• Integrated LEDs on tail switch to indicate remaining battery power (Patent No.ZL201220057767.4)
• Anti-rolling design to provide a firm grip
• Two-way titanium steel clip included
• Toughened ultra-clear mineral glass with anti-scratch 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

Dimensions
Length: 134mm (5.28")
Head Diameter: 31.8mm (1.25")
Tail Diameter: 25.4mm (1")
Weight: 101grams (3.56oz)(without battery)

Accessories
Included: quality holster, CR123 battery magazine, clip, tactical ring, lanyard, spare O-ring
Optional: holster NTH30B, remote switch RSW2, tactical lanyard NTL10/NTL20

Battery Options

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

Brightness & Runtime

FL1 STANDARD	HIGH	MID	LOW	STROBE
☀	800 LUMENS	290 LUMENS	40 LUMENS	800 LUMENS
⏱	4h30min	9h	26h	—
◨	210m	126m	47m	—
◉	11100cd	4000cd	550cd	—
✓	1m (Impact Resistant)			
〰	IPX8, 2m (Waterproof AND Submersible)			

NOTE
The above data has been measured in accordance with the international flashlight testing standards ANSI/NEMAFL1 using 1 x 3.7V 2600mAh 18650 battery under laboratory conditions. The data may vary slightly during real-world use due to battery type, individual usage habits and environmental factors.

FL1 STANDARD	HIGH	MID	LOW	STROBE
☀	800 LUMENS	400 LUMENS	70 LUMENS	800 LUMENS
⏱	1h30min	2h30min	10h30min	—
◨	210m	140m	61m	—
◉	11100cd	4850cd	930cd	—
✓	1m (Impact Resistant)			
〰	IPX8, 2m (Waterproof AND Submersible)			

NOTE
The above data has been measured in accordance with the international flashlight testing standards ANSI/NEMAFL1 using 2 x 3V 1550mAh CR123 batteries under laboratory conditions. The data may vary slightly during real-world use due to battery type, individual usage habits and environmental factors.

Operation instructions
Battery installation
Install one 18650 Li-ion battery or two CR123 Li-ion batteries with the positive pole pointing forward (toward the bezel).

NOTE: Integrated LEDs within the tail switch will blink to indicate remaining battery power after battery installation. Please refer to Power Tips for more information.

WARNING
1. Install the batteries as instructed. Incorrect battery installation can cause unsuccessful activation.
2. The NBM1618 battery magazine is to hold 2 x CR123A batteries only, to eliminate battery rattle in the tube.
3 This product CANNOT be powered by flat-top batteries.
4. AVOID direct eye exposure.

Tactical Momentary Illumination
Simply half press and hold the tail switch to turn on the flashlight, and release to turn it off.

Switching ON/OFF
To switch ON: Press the tail button until a "click" is heard.
To switch OFF: with the light on, press the tail button again until a "click" is heard.

Mode Selection
The P20 offers three different modes of illumination for different users and situations.
Tactical Mode: this mode only provides turbo output, and is ideal for self-defense, emergencies and tactical operations.
Law Enforcement Mode: this mode provides two brightness levels: medium and turbo. This mode is designed for law enforcement officers and patrol guards.
General Mode (default mode for first time use): this mode provides three brightness levels: low, medium and turbo. With the light on, press the STROBE READY™ button on the tail to cycle through all three brightness levels.
NOTE: When in medium and turbo mode, the P20 will reduce output luminance automatically after 3 minutes of use to prevent battery overheating and extend battery longevity.

To select a desired mode:
1. Ensure the P20 is switched off.
2. Loosen the bezel.
3. Press and hold the STROBE READY™ button on the tailcap while simultaneously tightening the bezel.
4. Once the bezel has been tightened, the P20 will indicate a mode has been selected by flashing once for Tactical Mode, twice for Law Enforcement Mode or three times for General Mode.
5. To cycle through all three modes, simply repeat the above procedures.

Strobe Ready
1. With batteries loaded and the light off, press and hold STROBE READY™ button on the tailcap to enter Strobe mode, release to exit.
2. With the light on in Tactical Mode, press STROBE READY™ button on the tailcap to enter Strobe mode. To exit, simply press STROBE READY™ button again or switch the light off.
3. With the light on in Law Enforcement Mode or General Mode, press and hold STROBE READY™ button on the tailcap for more than 0.5 second to enter strobe mode. To exit, simply press STROBE READY™ button again.

Note: This product has memory effect to ensure direct access to the last used brightness levels or strobe when resumed.

Power Tips
Two integrated red LEDs built into the tail switch blink to indicate remaining battery power when the tail cap is tightened after battery installation. The power indicators will blink three times when power levels are above 50%; twice when power levels are below 50%; and once when battery power is close to depletion.
NOTE: When batteries are already installed and a precise power reading is required, ensure the P20 is powered down for 20 seconds before retightening the tail cap to detect battery power status.

Changing Batteries
Batteries should be replaced when any of the following occurs: The power indicators blink rapidly, 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.
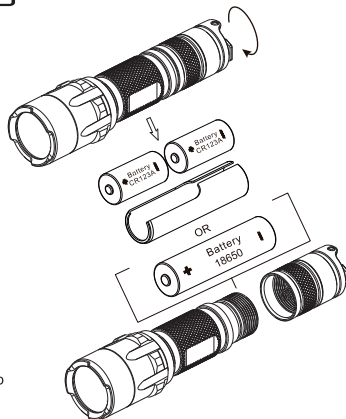
Warranty Details
Our authorized dealers and distributors are responsible for warranty service. Should any problem covered under warranty occurs, customers can contact their dealers or distributors in regards to their warranty claims, as long as the product was purchased from an authorized dealer or distributor. NITECORE's Warranty is provided only for products purchased from an authorized source. This applies to all NITECORE products.

Any DOA / defective product can be exchanged for a replacement through a local distributor/dealer within the 15 days of purchase. After 15 days, all defective / malfunctioning NITECORE® products 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 if the product(s) is/are broken down, reconstructed and/or modified by unauthorized parties, or damaged by batteries leakage.
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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