

NITECORE®

The All-Round Flashlight Expert

MH10 User Manual

Features

- Utilizes a CREE XM-L2 U2 LED
- Maximum output of up to 1000 lumens
- Integrated "Precision Digital Optics Technology" provides extreme reflector performance
- Boasts a peak beam intensity of 13,500 cd and a throw distance of up to 232 meters
- Innovative single button offers access to four brightness levels and three special modes
- High efficiency constant current circuit provides max runtime of 520 hours
- Integrated power indicator light displays remaining battery power (Chinese Patent: ZL201220057767.4)
- Power indicator's secondary function displays battery voltage (accurate to 0.1V)
- Charging module with a micro USB port charges Li-ion batteries rapidly
- Direct access to ultra-low output
- Reverse polarity protection prevents damage from incorrectly inserted batteries
- Constructed from aero grade aluminum alloy with HAIII military grade hard-anodized finish
- Waterproof in accordance to IPX8 (two meters submersible)
- Impact resistant to 1 meter
- Tail stand capability

Dimensions

Length: 130mm (5.12")
 Head diameter: 25.4mm (1")
 Tube diameter: 25.4mm (1")
 Weight: 75g (2.65oz)(without battery)

Accessories

Nitecore NL183 battery, USB charging cable, holster, clip, lanyard, spare USB port cover, spare O-ring

Battery Options

	TYPE	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	N

Output & Runtime

FL1 STANDARD	HIGH	MID	LOW	LOWER	STROBE	SOS	LOCATION BEACON
	1000 LUMENS	240 LUMENS	70 LUMENS	1 LUMEN	1000 LUMENS	1000 LUMENS	1000 LUMENS
	1h15min	6h	28h	520h	—	—	—
	232m	94m	45m	5.6m	—	—	—
	13500cd	2200cd	500cd	8cd	—	—	—
	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 1x18650 battery (3.7V, 2600mAh) under laboratory conditions. The data may vary in real-world use due to different battery use or environmental conditions.

Operating Instructions

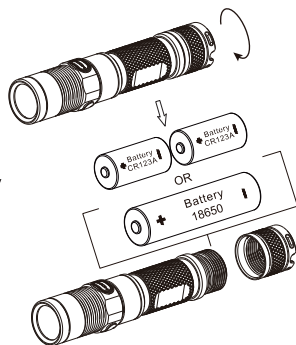
Battery Installation

Insert 1x18650 battery or 2xCR123 batteries as illustrated.

Note: After loading batteries, the blue power indicator will blink to indicate battery voltage. Please refer to "Power Tips" section of this manual for details.

WARNING

- Ensure batteries are inserted with the positive (+) ends pointing to the head. The MH10 will not be operational with incorrectly inserted batteries.
- When the MH10 is kept in a backpack or left unused for extended periods of time, Nitecore recommends all batteries are removed to prevent accidental activation of the flashlight or battery leakage.



ON/OFF

To switch ON: Press the switch until a click is heard.

To switch OFF: Press the switch once again until a click is heard.

Brightness Levels

With the MH10 switched on, press and hold the switch for more than 0.5 second to cycle through brightness levels of ultra-low, low, medium and high. To select a desired brightness level, simply release the switch when that level is being displayed. This mode has memory effect to ensure direct access to the previously used brightness level when the MH10 is resumed.

Direct access to ultra-low

With the MH10 switched off, press and hold the switch for more than 1 second to enter ultra-low output (1 lumen);

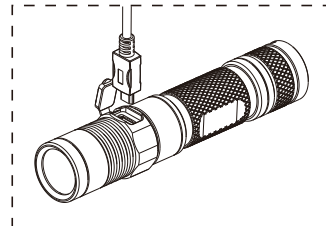
Note: When in high output, the MH10 will reduce output luminance automatically after 5 minutes of use to prevent overheating and extend battery longevity.

Special Modes (Strobe/SOS/Location Beacon)

Press the switch twice in quick succession in any state to enter strobe mode. When in strobe mode, press and hold the switch for more than 1 second to cycle through SOS, location beacon and strobe modes. To exit, simply press the switch again. The MH10 does not have memory effect in any of these special modes.

Charging Function

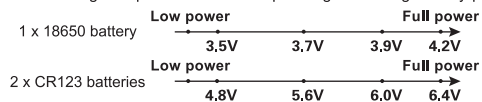
The MH10 is capable of charging one 18650 Li-ion battery with the included USB charging cable. Connect the USB cable to the MH10's charging port and a power source (USB chargers, PC or other power terminals) as shown in the adjacent image. Fully charging one depleted 18650 battery takes approximately 6 hours.



Under normal charging conditions, the blue power indicator light will illuminate steadily to notify users. When charging is complete, the MH10 will terminate the charging process automatically and the blue power indicator goes out.

Power Tips

- 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.
- After battery installation, the blue power indicator will blink to indicate battery voltage (accurate to 0.1V). For example, when battery voltage is at 4.2V, the blue power indicator will blink 4 times, followed by a one second pause and another 2 blinks. Different voltages represent the corresponding remaining battery power levels:



Changing /Charging Battery

Batteries should be recharged or replaced when any of the followings occurs: The power indicator blinks 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 Service

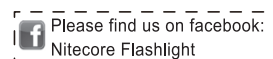
All NITECORE® products are warranted for quality. Any defective / malfunctioning NITECORE® product can be repaired free of charge for a period of 60 months (5 years) from the date of purchase. Beyond 60 months (5 years), a limited warranty applies, covering the cost of labor and maintenance, but not the cost of accessories or replacement parts.

The warranty is nullified in all of the following situations:

- The product(s) is/are broken down, reconstructed and/or modified by unauthorized parties.
- The product(s) is/are damaged through improper use.
- 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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