Features

- Utilizes a CREE XP-L HI V3 LED
- Maximum output of up to 1000 lumens
- Boasts a peak beam intensity of 25,700cd and a throw distance of up to 320 meters
- Integrated "Precision Digital Optics Technology" provides extreme reflector performance
- High efficiency constant current circuit board provides max runtime of 520 hours
- A side switch design offers access to 4 brightness levels and 3 special modes, ideal for outdoor applications
- Integrated power indicator beneath the side switch displays remaining battery power(patented No. ZL201220057767.4)
- Power indicator can also report battery voltage to the nearest 0.1V
- A Built-in charging module charges Li-ion batteries rapidly through a micro USB port
- Includes a Nitecore 18650 battery (NL1834 3400mAh)
- Features intelligent memory function (except for SOS and location beacon modes)
- Reverse polarity protection prevents damage from incorrectly inserted batteries
- 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 to IPX-8 (two meters submersible)
- Impact resistant to 1.5 meters
- Tail stand capability

Dimensions

Length:	139.2mm (5.48")
Head Diameter:	25.4mm (1")
Tail Diameter:	25.4mm (1")
Weight:	87g (3.07oz)

Accessories

Nitecore 18650 battery (NL1834 3400mAh), USB charging cable, holster, clip, tactical ring, lanyard, spare rubber cover, spare O-ring, spare USB port cover

Battery Options

	SIZE	Nominal voltage	Compatible
18650 Rechargeable Li-ion battery	18650	3.7V	Yes (Recommended and can be recharged)
Primary Lithium battery	CR123	3V	Yes (Compatible but can NOT be recharged)
Rechargeable Li-ion battery	RCR123	3.7V	Yes (Compatible but can NOT be recharged)

***Warning:** Charge 18650 rechargeable Li-ion batteries only. Do not charge CR123 or RCR123 batteries.

Output & Runtime

FL1 STANDARD	HIGH	MID	LOW	ULTRALOW
☀	1000 LUMENS	280 LUMENS	55 LUMENS	1 LUMEN
🕐1X18650	*1h15min	6h	28h	520h
🕐2XCR123	*1h	3h15min	20h	300h
◄	320m (Beam Distance)			
✸	25700cd (Peak Beam Intensity)			
↙	1.5m			
⬇	IPX8, 2m (Waterproof AND Submersible)			

NOTE: The above data has been measured in accordance with the international flashlight testing standards ANSI/NEMA FL1, using 1xNitecore 18650 battery (3.7V, 3400mAh) or 2xCR123 batteries (3V, 1700mAh) under laboratory conditions. The data may vary in real-world use due to different battery use or environmental conditions.
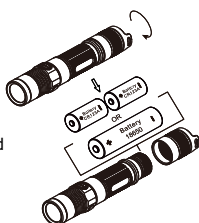*Runtime for High Mode is calculated based on theoretical arithmetic.

Operating Instructions

Battery Installation
Insert one 18650 battery or two CR123 batteries as illustrated.
WARNING
1. Ensure batteries are inserted with the positive (+) end pointing to the head. The MH12GT will not operate with incorrectly inserted batteries.
2. Avoid direct eye exposure to the beams.

Momentary illumination

Press the tail cap switch halfway to switch the light on. Simply release to switch the light off.

ON/OFF

To switch ON: Press the tail cap switch all the way down until a "click" is heard
To switch OFF: Press the tail cap switch all the way down again until a "click" is heard

Brightness Levels

With the light switched on, press the mode switch repeatedly to cycle through brightness levels of ultra-low, low, medium and high.
Note: When in high output, the MH12GT will reduce output luminance automatically after 1 minute of use to prevent overheating and extend battery longevity.

ATR

With Advanced Temperature Regulation module, the MH12GT regulates its output and adapts to the ambient environment, maintaining optimal performance.

Special Modes (Strobe/SOS/Location Beacon)

When the light is on, press and hold the mode switch for over one second to enter strobe mode; when in strobe mode, press and hold the mode switch for over one second again to cycle through SOS, location beacon and strobe modes. To exit and revert to the brightness level last used, simply press the mode switch.
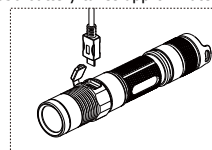Note: The MH12GT memorizes its previously brightness level as well as strobe mode the next time it is turned on. (Except for SOS and Location Beacon modes)

Charging Function

The MH12GT can charge an 18650 Li-ion battery with the included USB charging cable by following the steps below.
1. Click the tail switch to turn on the light.
2. Connect the USB cable to the MH12GT's charging port and a power source (USB chargers, PC or other power terminals) as shown in the adjacent image.
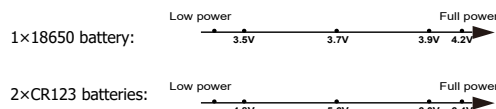Fully charging a depleted 18650 battery takes approximately 6 hours.

Under normal charging conditions, the blue power indicator light will flash once per second.
If CR123/RCR123s are inserted, or there is no battery inserted, or the tail switch is not at the "on" position, the blue power indicator light will flash rapidly to notify users.
When charging is complete, the MH12GT will terminate the charging process automatically and the blue power indicator goes out.

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.
2. When the light is off, press tail cap switch while holding down the mode switch to activate the power indicator light to report battery voltage (accurate to ±0.1V). For example, when the battery voltage is at a maximum charge of 4.2V , the power indicator will blink 4 times, followed by a one second pause and 2 more blinks before entering the previously used brightness. Different voltages represent the corresponding remaining battery power levels:

1×18650 battery:	Low power			Full power
	3.5V	3.7V	3.9V	4.2V

2×CR123 batteries:	Low power			Full power
	4.8V	5.6V	6.0V	6.4V

Changing Batteries

Batteries should be recharged or replaced if 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. 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:
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 your national NITECORE® distributor or send an email to service@nitecore.com
The Nitecore official website shall prevail in case of any product data changes.

Please find us on facebook: Nitecore Flashlight

Thanks for purchasing NITECORE!