NITECORE ®
ALL-ROUND Flashlight Expert

MH40 User Manual

Features

- Premium CREE XM-L U2 LED
- Maximum output of 900 lumens
- High efficiency regulation circuit
- Maximum runtime of up to 105 hours
- Intelligent charging circuit with voltage detection charges safely and rapidly
- Integrated charging port is water, dust and impact resistant
- Multiple output modes are conveniently accessed via rapid rotary switch
- User-defined mode provides customized brightness levels plus strobe and SOS modes.
- Intelligent memory function stores preferred brightness setting
- Broad voltage circuit accepts both rechargeable and non-rechargeable Lithium batteries
- Optimized ultra-precise reflector offers a longer beam distance than competing products
- Waterproof in accordance with IPX-8 (submersible to two meters)
- Stainless steel bezel ring protects core components from damage
- Toughened ultra-clear mineral glass with anti-reflective coating
- Constructed from aerospace-grade aluminum alloy
- HAIII military grade hard-anodized
- Reverse polarity protection
- Stainless steel titanium-plated clip
- Anti-rolling design

Dimensions

Length: 243mm (9.6")
Head Diameter: 60mm (2.36")
Tail Diameter: 25.4mm (1")
Weight: 311grams (11oz)(without battery)

Accessories

Two Nitecore 18650 Li-ion battery(NL183), tactical ring, lanyard, charger, clip, holster, spare switch cap and spare O-ring

Battery Options

	SIZE	Nominal voltage	Compatible
18650 Rechargeable Li-ion battery	18650	3.7V	Yes (Compatible 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 attempt to charge non-rechargeable batteries, CR123 or RCR123 batteries.

Brightness & Runtime

FL 1 STANDARD	TURBO	HIGH	MID	LOW
☀	900 LUMENS	320 LUMENS	105 LUMENS	18 LUMENS
⏱ 2×18650	1h15min	5h30min	22h	105h
⏱ 4×CR123	1h	4h30min	17h	70h
◧	490m (Beam Distance)			
◎	60000cd (Peak Beam Intensity)			
✓	1.5m (Impact Resistant)			
⭳	IPX-8, 2m (Waterproof AND Submersible)			

NOTICE
Stated data has been measured according to the international flashlight testing standards ANSI/NEMA FL1 using two quality NITECORE 18650 (3.7V 2600mAh) battery or four SYSMAX CR123 (3V 1550mAh) batteries under laboratory conditions. The data may vary due to individual usage habits and environmental conditions.

NITECORE (SYSMAX) is a member of PLATO, participating in and helping to develop the ANSI FL1 standard of measurement. Product testing data is in accordance with these internationally recognized scientific standards.
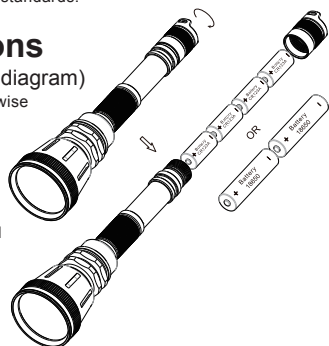
Operation instructions

Battery installation (see adjacent diagram)
1. Unscrew the tail cap in a counter-clockwise direction.
2. Insert two 18650 battery or four CR123 batteries with the positive pole pointing forward (toward the light head).

NOTES:
1. Insert batteries with the positive (+) end pointing toward the flashlight head.
2. Do not mix rechargeable and non-rechargeable batteries.
3. Do not mix batteries of different types/brands.
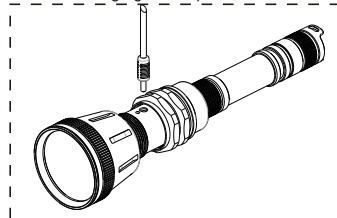4. Do not mix batteries of different charge levels.

Charging Function

The MH40 is capable of charging two protected 18650 Li-ion batteries via the included DC3.5 charging cable. Simply install the protected 18650 Li-ion cells, plugging one end of the charging cable into the flashlight and the other end into a adaptor and the MH40 will take care of the rest.

Charging indicator light
1. Connect the charging cable to the flashlight and the A/C power adapter to the wall outlet as shown in the adjacent image. Fully charging two depleted 18650 batteries takes approximately 4 hours.
2. Under normal charging conditions, the red indicator light near the charging port will blink twice every second.
3. If a problem is detected during the charging process, the MH40 will stop charging and the red indicator will blink rapidly. This is usually caused by faulty or incorrectly inserted batteries.
4. When charging is complete, the red indicator will illuminate steadily.

Cautions:
1. The MH40 needs to be turned on in order to enter charging mode.
2. Do not charge batteries of different types or different brands together.

Switching ON/OFF

To switch ON: Press the button on the tailcap until a "click" is heard.
To switch OFF: Press the button on the tailcap a second time until a "click" is heard.

Mode Switching

The Nitecore MH40 has two modes: Turbo and user-defined. These two modes can be changed by simply tightening and loosening the flashlight head. Turbo provides 100% output while user-defined contains five selectable sub-modes.

Turbo Mode

Turbo mode provides an output of 900 lumens and is accessed when the flashlight is switched ON with the head lightly tightened. While in this mode, momentary illumination can be achieved by switching off the flashlight and then half pressing and holding the switch.

User-Defined Mode

User-defined mode is accessed by slightly loosening the flashlight head. In this mode, lightly and rapidly pressing the switch will cycle through brightness and other functions in the following order: "High-Mid-Low-SOS-Strobe". Pressing the switch all the way down will save and memorize a desired setting.

Tips: Make NITECORE MH40 your perfect Multitask Hybrid flashlight.
NITECORE MH40 flashlights essentially have two modes: Turbo mode (100% output) and custom mode. Turbo mode is accessed by tightening the flashlight head while any of the five customizable modes (strobe, SOS, low, medium and high) are selected by loosening the head and rapidly pressing the on/off switch to cycle through the modes. A given mode can be saved by simply turn off the light while in that mode. Real-world examples include: When used as a flashlight around the home, the head can be loosened and low level selected in custom mode, providing long runtimes at a lower light intensity. The same flashlight could then be taken out and used a law-enforcement duty light, with user-defined mode set in strobe, making it easy to alternate between turbo mode and strobe with a simple twist of the flashlight head.

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 though a local distributor/dealer within the 14 days of purchase. After 14 days, all defective / malfunctioning NITECORE® products will be repaired free of charge for a period of 18 months from the date of purchase. After 18 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

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Thanks for purchasing NITECORE!