

NITECORE®

ALL-ROUND Flashlight Expert

MH2A User Manual

Features

- Premium CREE XM-L U2 LED
- Maximum output of 600 lumens
- High efficiency regulation circuit
- Maximum runtime of up to 26 hours
- Intelligent charging circuit with voltage detection charges safely and rapidly
- Integrated micro USB 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 Nitecore dedicated battery and two AA batteries
- Optimized ultra-precise reflector offers a longer beam distance than competing products
- Waterproof in accordance with IPX-8 (submersible to two meters)
- Toughened ultra-clear mineral glass with anti-reflective coating
- Constructed from aerospace-grade aluminum alloy
- HAIII military grade hard-anodized
- Reverse polarity protection
- Detachable two-way anti-rolling clip
- Anti-rolling design

Dimensions

Length: 176mm
 Head Diameter: 25.4mm
 Tail Diameter: 21.5mm
 Weight: 86grams (without battery)

Accessories

Nitecore MH2A dedicated battery(NL1427), lanyard, USB cable, clip, holster, spare switch cap and spare O-ring

Battery Options

	SIZE	Nominal voltage	Compatible
Dedicated battery	14500x2	3.7V	Yes (Compatible and can be recharged)
Primary AA battery *	AA	1.5V	Yes (Compatible but can NOT be recharged)
Rechargeable AA battery *	AA	1.2V	Yes (Compatible but can NOT be recharged)
Primary AA Lithium battery *	L91	1.5V	Yes (Compatible but can NOT be recharged)
Primary LiFePO4 battery	14500	3.2V	N (Banned)
Rechargeable Li-ion battery	14500	3.7V	N (Banned)

Warning: Charge MH2A dedicated battery only, do not attempt to charge non-rechargeable batteries, AA batteries.

Brightness & Runtime

FL1 STANDARD	TURBO	HIGH	MID	LOW
	600 LUMENS	233 LUMENS	80 LUMENS	22 LUMENS
	1h15min	2h30min	7h30min	26h
	135m (Beam Distance)			
	4500cd (Peak Beam Intensity)			
	1.5m (Impact Resistant)			
	IPX-8, 2m (Waterproof AND Submersible)			

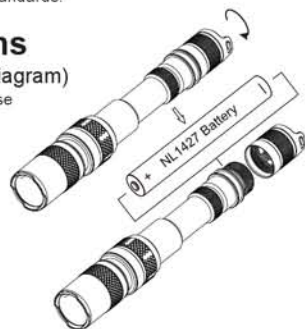
NOTICE
 Stated data has been measured according to the international flashlight testing standards ANSI/NEMA FL1 using one NITECORE NL1427 battery (3.7V, 1500mAh) under laboratory conditions. The data may vary due to individual usage habits and environmental conditions.

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 one dedicated battery with the positive pole pointing forward (toward the light head).



NOTE:

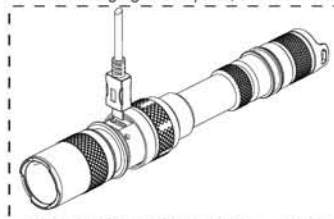
Ensure batteries are inserted with the positive (+) end pointing to the head. The MH2A will not operate with incorrectly inserted batteries.

Charging Function

The MH2A is capable of charging a dedicated battery via the included USB cable. Simply install the Nitecore MH2A dedicated battery, plugging one end of the USB cable into the flashlight and the other end into a universal USB port / adaptor and the MH2A 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 a depleted dedicated battery 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 MH2A 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.



Caution:

The MH2A needs to be turned on in order to enter charging mode.

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 MH2A 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 600 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.

Note: After three minutes of use in turbo mode, the flashlight will lower its output automatically to preventing overheating and increase runtime.

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 MH2A your perfect Multitask Hybrid flashlight.

NITECORE MH2A 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 as 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 through 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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