NITECORE®

The All-Round Flashlight Expert

MH27 User Manual

Features

- Designed for law enforcement, hunting and tactical applications
- Utilizes a CREE XP-L HI V3 LED
- Integrated "Precision Digital Optics Technology" provides extreme reflector performance
- Maximum beam intensity up to 53,500cd
- Maximum beam distance up to 462 meters
- Uses one 18650 Li-ion battery for maximum runtime up to 708 hours
- High efficiency constant current circuit enables maximum output up to 1,000 lumens
- Equipped with unique tricolored (red, green and blue) tactical /signaling lights
- 4 brightness levels and 6 special modes are easily accessible via dual side switches
- Direct access to turbo and red modes
- Features advanced temperature regulation (ATR) technology
- Spring-loaded impact absorption mechanism with reverse polarity protection (Chinese patent: 201220677948.7)
- Intelligent Li-ion battery charging circuit (via Micro-USB charging port)
- A power indicator built into the side switch indicates remaining battery power (accurate to 0.1V)
- Intelligent memory function for brightness levels and special modes (except SOS and location beacon)
- Tactical lanyard enclosed
- Stainless steel retaining 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
- Waterproof in accordance with IPX-8 (submersible to two meters)
- Impact resistant to 1.5 meters
- Tail stand capability

Dimensions

Length: 6.08" (154mm)
Head diameter: 1.57" (40mm)
Tail diameter: 1" (25.4mm)
Weight: 5.99oz (170g) (without battery)

Accessories

Quality USB charger, holster, clip, tactical ring, lanyard, spare charging port cover, spare O-ring, spare tailcap cover

Battery Options

	TYPE	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

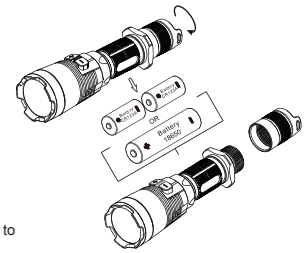
FL 1 STANDARD	TURBO	HIGH	MID	ULTRALOW	RED	GREEN	BLUE
	1000 LUMENS	250 LUMENS	55 LUMENS	1 LUMEN	13 LUMENS	19 LUMENS	3 LUMENS
18650	1h	6h15min	28h	708h	28h	28h	28h
2×CR123	45min	4h45min	20h	505h	19h	19h	19h
	462m(Beam Distance)						
	53,500cd(Peak Beam Intensity)						
	1.5m(Impact Resistant)						
	IPX-8, 2m (Waterproof AND Submersible)						

NOTICE:
The above data has been measured in accordance with the international flashlight testing standards ANSI/NEMA FL1 using one x 3.7V 3400mAh Nitecore 18650 battery and 2 x 3V 1700mAh Nitecore CR123 batteries under laboratory conditions. The data may vary slightly during real-world use due to battery type, individual usage habits and environmental factors.

Operating Instructions

Battery Installation

Insert one 18650 battery or two CR123 batteries as illustrated, with the positive (+) ends pointing to the flashlight head.
Warning: DO NOT direct beam towards human or animal eyes.



Momentary Illumination

Press the tailcap switch partway down and hold to momentarily turn the light on. Release the tailcap switch to turn the light off.

On/Off Operation

To turn the MH27 on, press the tailcap switch all the way down until a "click" is heard;
To turn the MH27 off, press the tailcap switch all the way down again until a "click" is heard;

Brightness Levels

With the MH27 turned on, press the Step-up switch repeatedly to switch from Blue, Green, Red, Ultralow, Medium, High, and ends at Turbo.
With the MH27 turned on, press the Step-down switch repeatedly to switch between the above mentioned levels and modes in reverse order until Blue.

Direct Access to Turbo

With the MH27 turned on, press and hold the Step-up switch for one second to enter turbo mode (1,000 lumens) directly;
With the MH27 turned off, press and hold the Step-up switch , and press the tailcap switch all the way down to enter turbo mode (1,000 lumens) directly.

Direct Access to Red

With the MH27 turned on, press and hold the Step-down switch for one second to enter red illumination directly;
With the MH27 turned off, press and hold the Step-down switch , and press the tailcap switch all the way down to enter red illumination directly;

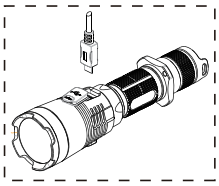
Special Modes (Strobe/Location Beacon/SOS/Police Warning Signals)

With the MH27 turned on, press the Step-up and Step-down switches simultaneously to enter strobe mode.
Once in Strobe, press the Step-up switch once to enter Location Beacon, and once again to enter SOS (no cycling back). Press the Step-down switch to enter modes in reverse order.
When in Strobe, press the Step-down switch to switch from strobe, blue and red police warning signal, red police warning signal, to blue police warning signal (no cycling back). Press the Step-up switch to enter modes in reverse order.
To exit special modes, press the Step-up and Step-down switches simultaneously again. The MH27 will resume the brightness level last used.
Note: The MH27 has a memory feature. Upon turning-on, it will resume the brightness level or special mode last used (with the exception of SOS and location beacon).

Charging

The MH27 features an intelligent charging function. Turn the MH27 on, connect the flashlight charging port to a USB power source (USB adaptor, computer, etc) via a USB cord. The normal charging time for an 18650 battery is 6 hours.

1. Under normal charging conditions, the blue indicator in the side switches will blink once every 1.5 seconds. When charging is complete, the blue indicator will illuminate steadily.
2. If a problem is detected during the charging process, the MH27 will stop charging and the blue indicator will blink rapidly. This is usually caused by damaged or incorrectly inserted batteries.



Power Tips

With the flashlight turned off, press all three switches simultaneously to activate battery voltage indication. Tthe 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 1.5 second pause and another 2 blinks. Different voltages represent the corresponding remaining battery power levels.

18650 × 1: Low Power — 3.5V — 3.7V — 3.9V — 4.2V — Full Power

CR123 × 2: Low Power — 4.8V — 5.6V — 6.0V — 6.4V — Full Power

ATR Technology

Advanced temperature regulation (ATR) technology allows MH27 to dynamically adjust output performance based on its internal temperature. This prevents damage from overheating and prolongs its working life.

Changing / Charging Battery

When batteries are close to depletion, the brightness level will be locked at ultralow to protect batteries. Please change batteries at this time.

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:
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 a local NITECORE® distributor or send an email to service@nitecore.com

※All images, text and statements specified herein this user manual are for reference purpose only. Should any discrepancy occurs between this manual and information specified on www.nitecore.com, information on our official website shall prevail. Sysmax Industry Co., Ltd. reserves the rights to interpret and amend the content of this document at any time without prior notice.

SYSMAX Ind.
SYSMAX Industry Co., Ltd.
TEL: +86-20-83862000
FAX: +86-20-83882723
E-mail: info@nitecore.com
Web: www.nitecore.com
Address: Rm1401-03, Glorious Tower, 850 East Dongfeng Road, Guangzhou, China 510600

Please find us on facebook: NITECORE Flashlights

20151113

Thanks for purchasing NITECORE!