

## 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

FL1 STANDARD	TURBO	HIGH	MID	ULTRALOW	RED	GREEN	BLUE
	1000 LUMENS	250 LUMENS	55 LUMENS	1 LUMEN	13 LUMENS	19 LUMENS	3 LUMENS
	1h	6h15min	28h	708h	28h	28h	28h
	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.

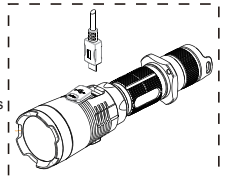
To exit special modes, press the Step-up and Step-down switches simultaneously again. The MH27 will resume the brightness level last used.

**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

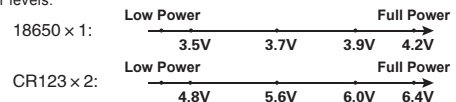
The MH27 features an intelligent charging function. Turn the MH27 on, connect the flashlight charging port to a USB power source (USB adaptor, computer, etc) via a USB cord. The normal charging time for an 18650 battery is 6 hours.

- 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.
- 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. The blue power indicator will blink to indicate battery voltage (accurate to  $\pm 0.1V$ ). 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.



**NOTE:** After voltage reporting, the power indicator will blink once every 3 seconds to unveil the location of the MH27. A full 18650 will keep the torch in this status operational for 1 year.

## 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:

- 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

※ 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

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