NITECORE®
奈特科尔—全能照明专家

MH27 使用说明书

产品特性
· 为执法，狩猎，战术应用特别设计
· 采用CREE XP-L HI V3 LED
· 采用晶亮电镀技术结合PDOT数字精确优化技术制造的最优化光学系统
· 最大光强53,500cd
· 射程远达462米
· 采用1节18650电池驱动，最长708小时续航时间
· 采用高效率恒流电路，1000流明高亮度输出
· 自带红绿蓝三色照明/信号灯功能
· 4档亮度调节和6种特殊功能可选
· 直接开启超高亮或红光照明
· 内置高级温控模块，根据工作状态和外界温度自动调节亮度输出以达到最佳工作状态
· 为射击运动特别设计的抗冲击防反接设计
· 智能锂电池充电电路（Micro-USB通用充电接口）
· 侧面调档按钮内藏电量指示灯，可提示电池电压（精确到0.1V）
· 智慧型档位记忆功能（SOS和信标功能除外）
· 配备战术手环
· 头部不锈钢保护环，保护电筒核心原件不受损坏
· 双面镀膜防刮光学镜片
· 航太级铝合金制造
· 军规三级硬化表面处理
· 符合IPX8防水标准（水下2米）
· 1米防摔能力
· 尾部倒立功能

体积
长度：	154mm
头部直径：	40mm
尾部直径：	25.4mm
重量：	170克（不含电池）

配件
优质USB充电线，优质电筒套，抱夹，战术环，手绳，备用充电口胶塞，备用防水O圈，备用胶帽

选用电池
	尺寸规格	标称电压	是否可用
18650锂充电电池	18650	3.7V	推荐（可以使用并可进行充电）
一次性锂金属电池*	CR123	3V	是（可以使用但不能进行充电）
可充电锂离子电池*	RCR123	3.7V	是（可以使用但不能进行充电）

⚠ *注：当对电池进行充电时，仅能对使用18650锂充电电池进行充电，不能对其他电池如CR123或RCR123锂电池进行充电。

亮度&时间
FL1 STANDARD	超高亮	高亮	中亮	超低亮	红光	绿光	蓝光	暴闪	SOS	信标	警示红蓝闪	警示红闪	警示蓝闪
☀	1000流明	250流明	55流明	1流明	13流明	19流明	3流明	1000流明	1000流明	1000流明	—	13流明	3流明
🕐	1小时	6小时15分钟	28小时	708小时	28小时	28小时	28小时	—	—	—	40小时	40小时	40小时
◾	462米	200米	98米	12.6米	9米	12.6米	1.8米	—	—	—	—	—	—
◉	53500坎德拉	10000坎德拉	2400坎德拉	40坎德拉	20坎德拉	40坎德拉	0.8坎德拉	—	—	—	—	—	—
✓	1米（防跌落高度）												
〜	IPX8, 水下2米（防水等级）												

注：
以上数据按照国际手电筒测量标准ANSI/NEMA FL1所述之测量方法，使用1节18650锂电池（3.7V 3400mAh）测量所得，不同电池或使用环境可能会对以上数据产生影响。

使用电筒
装入电池
请按示意图装入1节18650锂电池或两节CR123锂电池（如图）：

警告：
1. 请将电池按照正极朝灯头方向放入，反装电池电筒将不能工作。
2. 不能将光线直接照射眼睛，以免对眼睛造成伤害。

战术点亮
轻按尾部开关，电筒会开启，松手电筒熄灭。

开启/关闭
开启手电筒：按下尾部按钮开关，直到有"嗒"的一声后松手，手电筒开启。
关闭手电筒：再次按下尾部按钮开关，直到有"嗒"的一声后松手，手电筒关闭。

亮度调节
在电筒开启的状态下，每按一下升档键⊕，电筒亮度将按照"蓝光照明-绿光照明-红光照明-超低亮-中亮-高亮-超高亮"改变亮度，直到"超高亮"停止切换，不带循环功能。

在电筒开启的状态下，每按一次降档键⊖，电筒亮度将降低一档，直至到"蓝光照明"停止切换，不带循环功能。

瞬时开启超高亮：
在电筒开启状态下，按下升档键⊕超过一秒，电筒将进入所需的超高亮（1000流明）状态；
在电筒关闭状态下，按住升档键⊕再按下尾部按钮开关，电筒将进入所需的超高亮（1000流明）状态。

瞬时开启红光照明：
在电筒开启状态下，按下降档键⊖超过一秒，电筒将进入所需的红光照明状态；
在电筒关闭状态下，按住降档键⊖再按下尾部按钮开关，电筒将进入所需的红光照明状态。

使用特殊档位（暴闪/信标/SOS功能/警示红蓝闪/警示红闪/警示蓝闪）
在电筒开启状态下，同时按下升档键和降档键⊕⊖，电筒将开启暴闪；
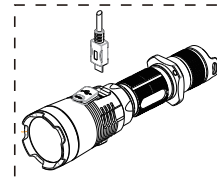在暴闪模式中，每次按下升档键⊕，电筒将按"暴闪-信标-SOS"顺序切换，直到SOS停止；
在暴闪模式中，每次按下降档键⊖，电筒将按暴闪-警示红蓝闪-警示红闪-警示蓝闪顺序切换，直到警示蓝闪停止。按升档键⊕回到前一个模式。
如需退出特殊档位，再次同时按下升档键和降档键⊕⊖，电筒恢复暴闪前照明档位。
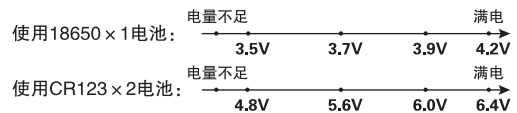注：MH27具有记忆功能，再次激活电筒将自动进入已选亮度或档位。（SOS和信标功能除外）。

充电
本产品自带智能充电功能。如图所示，打开尾部开关后，把USB充电线一端连接至筒身充电插孔，另一端插上USB充电设备（USB充电器、电脑或其他USB充电器设备）后，即可进行充电。当对1节18650锂充电电池进行充电时，充电时间约为6小时。

当检测到充电不正常时（电池损坏、反装电池），MH27将自动停止充电，且按钮处的蓝色电量指示灯将快速闪烁提示用户；
当MH27处于正常充电状态时，蓝色电量指示灯将每1.5秒闪烁1次提示用户；当充满电时，MH27将自动停止充电，并常亮蓝色电量指示灯提示用户。

电量提示
在电筒关闭状态下，同时按住升档键和降档键⊕⊖，后再按下尾部开关，位于功能按钮的蓝色电压指示灯将以闪烁来表示电池电压（精确到±0.1V）。例如，电池电压为4.2V时，指示灯将闪烁4次，停顿1.5秒后再闪烁2次来表示4.2V。所提示的电压表示电池电量详见下图：

使用18650×1电池：

电量不足 ⟶ 满电
3.5V　3.7V　3.9V　4.2V

使用CR123×2电池：

电量不足 ⟶ 满电
4.8V　5.6V　6.0V　6.4V

注：电池电量提示结束后，指示灯将每3秒闪烁一次以提示用户MH27的位置。在带定位指示灯状态下，1节18650电池可待机约1年时间。

高级温控模块（ATR）
MH27内置高级温控模块，实时温度保护，使筒内最高温度维持在55摄氏度以下，同时根据工作状态和外界温度自动调节亮度输出以达到最佳工作状态。

更换电池
当电池处于低电量时，电筒会锁定在超低亮状态以保护电池，应更换电池或进行充电。

保养电筒
请每半年使用软布清洁电筒的螺牙，并使用硅润滑油润滑螺牙。

保固
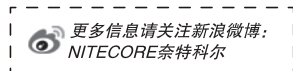NITECORE®产品拥有售后保固服务。在购买本产品的15天内，如果有任何质量问题均可向经销商要求免费更换。在购买本产品的5年内享受免费保固服务。在超过5年免费保固期后，本产品享有终身有限度保固服务，如需更换重要部件则需收取成本费用。
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CE

MH29122721

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
• 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 IPX8 (submersible to two meters)
• Impact resistant to 1 meter
• Tail stand capability

Dimensions
Length: 6.06" (154mm)
Head diameter: 1.57" (40mm)
Tail diameter: 1" (25.4mm)
Weight: 6oz (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

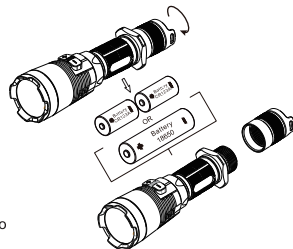| FL 1 STANDARD	TURBO	HIGH	MID	ULTRALOW	RED	GREEN	BLUE	STROBE	SOS	LOCATION BEACON	BLUE AND RED WARNING SIGNAL	RED WARNING SIGNAL	BLUE WARNING SIGNAL
☀	1000 LUMENS	250 LUMENS	55 LUMENS	1 LUMEN	13 LUMENS	19 LUMENS	3 LUMENS	1000 LUMENS	1000 LUMENS	1000 LUMENS	—	13 LUMENS	3 LUMENS
⏱	1h	6h15min	28h	708h	28h	28h	28h	—	—	—	40h	40h	40h
◀	462m	200m	98m	12.6m	9m	12.6m	1.8m	—	—	—	—	—	—
◎	53500cd	10000cd	2400cd	40cd	20cd	40cd	0.8cd	—	—	—	—	—	—
✓	1m(Impact Resistant)												
⬇	IPX8, 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 18650 battery 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.
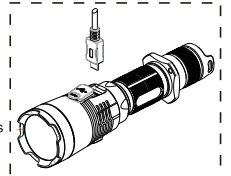Note: The MH27 has a memory feature. Upon turning-on, it will resume the brightness level or special mode last used (with the exception of SOS and location beacon).

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.
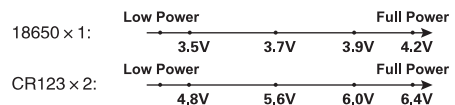
1. Under normal charging conditions, the blue indicator in the side switches will blink once every 1.5 seconds. When charging is complete, the blue indicator will illuminate steadily.
2. If a problem is detected during the charging process, the MH27 will stop charging and the blue indicator will blink 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.

	Low Power		Full Power	
18650 × 1:	3.5V	3.7V	3.9V	4.2V
CR123 × 2:	4.8V	5.6V	6.0V	6.4V

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:
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

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