

(English) HC65 User Manual

Features

- Multi-functional rechargeable headlamp
- Specialized design for outdoor activities such as hiking, trekking and camping
- Utilizes a CREE XM-L2 U2 LED to emit maximum output of 1000 lumens
- Equipped with a high CRI auxiliary white light (CR123) and a red light
- Integrated Precision Digital Optics Technology for extreme reflector performance
- A memory function stores up to 2000cd and distance maximum of the headlamp beam up to 110 meters
- High efficient constant circuit runs for maximum 800 hours
- 7 brightness levels and 4 special modes
- Intelligent battery function (Special modes can not be memorized)
- Intelligent Li-ion battery charging circuit (via Micro-USB charging port)
- A food lighting system provides 100° beam angle
- Integrated advanced temperature regulation (ATR) technology
- Tiling mechanism allows for 180° adjustment
- Power indicator displays battery voltage (accurate to 0.1V)
- Reverse polarity protection
- Constructed from rugged aero-grade aluminum alloy
- Rugged HAIII military grade hard-anodized aluminum alloy
- IPX8 waterproof and submersible (waterproof to 2 meters)
- Impact resistant to 1.5 meters

Specifications

Size:	3.26"×1.31"×1.05" (82.7mm×33.3mm×26.7mm)
Head Diameter:	0.72" (18.3mm)
Weight:	2.21oz (62.7g)

Accessories
Nitecore 18650 Li-ion battery NL1834 (3400mAh), spare O ring, USB cable, headband, holder

Battery options

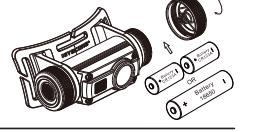
	Size	Nominal voltage	Compatible
18650 Rechargeable Li-ion battery	18650	3.7V	Yes (Recommended and can be recharged)
Primary Lithium battery	CR123	3V	Yes (Compatible but can NOT be recharged)
Rechargeable Li-ion battery	RCR123	3.7V	Yes (Compatible but can NOT be recharged)

Technical Parameters

	FL1 STANDARD	Turbo	High	Mid	Low	Ultralow	Auxiliary white light	Red light illumination	Red caution	Strobe	SOS	Beacon
LUMENS	1000	550	280	80	1	26	11	11	1000	1000	1000	1000
LUMENS	1000	550	280	80	1	26	11	11	1000	1000	1000	1000
Watts	110m	78m	56m	29m	3.6m	6.6m	4m	—	—	—	—	—
Watts	3000cd	1530cd	780cd	210cd	3.3cd	11cd	4.5cd	—	—	—	—	—
	✓	IPX8, 2m (resistente al agua y sumergible)										
	✓	IPX8, 2m (waterproof and submersible)										

NOTICE: The above data has been measured according to the international flashlight testing standards ANSI/NEMA FL1 using our 18650 battery (3.7V 3400mAh) under laboratory conditions. The data may vary slightly during real-world use due to battery type, individual user habits and environmental factors.

* The runtime for Turbo mode is the testing result before starting temperature regulation.



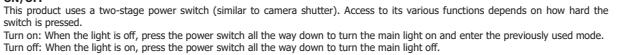
Operating Instruction

Battery Installation

Install battery shown below:

1. Ensure batteries are inserted properly by observing the positive and negative marks indicated in the diagram. The HC65 will not operate with incorrectly inserted batteries.

2. Avoid direct eye exposure.



Main Light

ON / OFF

This product uses a two-stage power switch (similar to camera shutter). Access to its various functions depends on how hard the switch is pressed.

Turn on: When the light is off, press the power switch all the way down to turn the main light on and enter the previously used mode.

Turn off: When the light is on, press the power switch all the way down to turn the main light off.

Changing Brightness Level

When the main light is on, press the switch partway to cycle through "Ultra-low-Low-Mid-High-Turbo". (The HC65 memorizes its previously used brightness level and returns to it the next time it is turned on.)

Auxiliary Lights

Auxiliary White Light

Turn on: When the light is off, press the switch partway down for over 0.6 second to turn on the auxiliary white light.

Turn off: When the light is on, press the switch all the way down to turn it off.

Auxiliary Red Light and Fault Red Light

Turn on: When the light is off, press the switch all the way down for over 0.6 second to turn on the red light on.

Turn off: When the red light is on, press the switch all the way down to turn it off.

Direct Access to Turbo

• When the main light is off, press the switch all the way down twice in quick succession to enter Turbo.

• When the main light is on, press the switch partway for over 0.6 seconds to enter Turbo; press the switch partway to return the previously used mode.

Auxiliary Special Modes (Strobe/SOS/Beacon)

When the main light or auxiliary lights are on, press the switch all the way down for over 0.6 second to turn on Strobe. After Strobe is turned on, tap the switch repeatedly to cycle through "SOS-Beacon-Strobe". Press and hold the switch all the way down to exit.

ATR (Advanced Temperature Regulation)

With Advanced Temperature Regulation module, the HC65 regulates its output and adapts to the ambient environment, maintaining optimal performance.

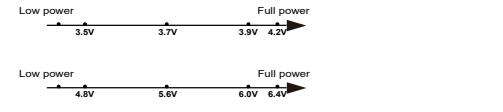
Positioning

When the light is off, press the switch partway to turn the position indicator on. The blue indicator beside the auxiliary light will blink every 2 seconds to indicate its location. This serves to alert users to the location of the HC65. With the HC65 fully charged, the HC65 will remain operational for 6 months with the position indicator activated, and 12 months in standby with the position indicator deactivated. Turn the light on again to exit the positioning function.

Power Tips

Every time the battery is installed, the blue indicator will report battery voltage (to the nearest ±0.1V) For example, when the battery voltage is at a maximum charge of 4.2V, the power indicator will blink 4 times, followed by 1.5 seconds pause and 2 more blinks before exiting the Standby status.

Different voltages represent the corresponding remaining battery power levels:



Charging

• HC65 is capable of charging a protected 18650 Li-ion battery using the included USB cable. Simply loosen the tailcap and install a protected 18650 Li-ion cell, plug one end of the USB cable into the HC65's USB port and the other end into a universal USB port as shown in the attached image. The normal polarity considerations, the blue LED will blink for ~0.5 seconds. When charged correctly, the HC65 will automatically terminate charging, and the blue indicator will illuminate steadily. If a problem (battery damage, reverse polarity etc.) is detected, the HC65 will stop charging and the blue indicator will blink rapidly.

• Fully charging a depleted 18650 Li-ion battery takes approximately 7 hours.

• During charging, press the switch partway, the blue indicator will report the current voltage (refer to the section Consejos de carga para más detalles), press the blue button again after a few moments to report the voltage (refer to the power tips for detail), press the switch partway again to stop report.

Changing of batteries

Change the batteries when the output appears to be dim or unresponsive.

Warranty Service

All NITECORE® products are warranted for quality. DOA/defective products can be exchanged for replacement through a local distributor or authorized parts supplier. After 15 days, all defective / malfunctioning NITECORE® products will be repaired free of charge for a period of 1 year from the date of purchase. After 60 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, (i.e. reverse polarity installation).

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. The Nitecore official website shall prevail in case of any product data changes.

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(日本語) HC65 説明書

製品特徴

- 多彩な点灯モードを備えた充電式フルマルチライト
- ハンドヘルド充電式LEDランプとして、様々なアクティビティに特化した設計
- CREE XM-L U2 LED を使用。最大出力が1000ルーメン
- 高CRI補助白色ライト (CRI>90)と赤色ライトを搭載
- 精密ジルカロームクリヨジ (PDOT)により効率のリフレクション性能を実現
- 最大容量: 1650mAh 充電式充電池 (110 mAh)
- 最高効率: 800時間 (充電回数は最高 800時間)
- 充電式充電池による充電回数は最高 800時間
- USB充電式充電池による充電回数は最高 800時間
- IPX8: 防塵・防水性能 (潜水 2mまで)
- 耐衝撃性: 1.5m

寸法
サイズ: 82.7mm×33.3mm×26.7mm
ヘッド部直径: 18.3mm
重さ: 62.7g

アクセサリー
Nitecore T8650 リチウムイオン充電池 NL1834 (3400mAh), スペア O-ring, USB ケーブル、ヘッドバンド、ホルダー

電池の種類

	サイズ	電圧	互換性
18650 リチウムイオン充電池	18650	3.7V	Yes (推奨 / 充電可能)
リチウム電池	CR123	3V	Yes! (互換あり / 充電不可)
リチウム充電池	RCR123	3.7V	Yes (互換あり / 充電不可)

明るさと使用時間

FL1 STANDARD	ターボ	ハイ	ミドル	ロー	ウルトラロー	補助白色	赤色ライト	赤色警告	ストロボ	SOS	ビコーン
1000ルーメン	550ルーメン	280ルーメン	80ルーメン	26ルーメン	11ルーメン	1000ルーメン	1000ルーメン	1000ルーメン	1000ルーメン	1000ルーメン	1000ルーメン
1000ルーメン	550ルーメン	280ルーメン	80ルーメン	26ルーメン	11ルーメン	1000ルーメン	1000ルーメン	1000ルーメン	1000ルーメン	1000ルーメン	1000ルーメン
1100ルーメン	780ルーメン	560ルーメン	29ルーメン	6.6ルーメン	4ルーメン	—	—	—	—	—	—
1100ルーメン	780ルーメン	560ルーメン	29ルーメン	6.6ルーメン	4ルーメン	—	—	—	—	—	—
1.5m (耐衝撃性)											
IPX8, 2m (防水 / 潜水)											

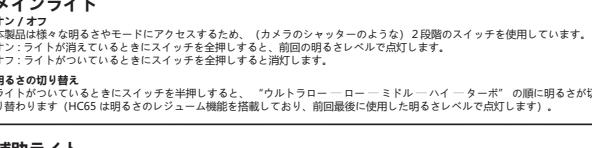
注意: 上記データは、フラッシュライトの国際規格 ANSI/NEMA FL1に準じ、1650充電池(3.7V 3400mAh)1個を使用して実験室で測定したものです。実際の使用にさしては、「ターボ」や他の使用環境によってはより小さくなることがあります。

*ターボモードの使用時間は、温度が高まると表示されるまでの間を計ったタスク結果に基づきます。

*ターボモードのランタイムはオーバーヒートによって停止します。

*充電池は一度充電すると、再度充電するときにスマート充電すると、初期の表示が点灯します。

*光度は直線的に下がります。



操作方法

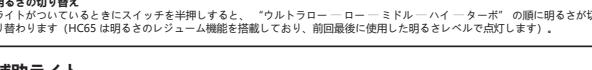
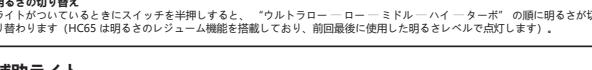
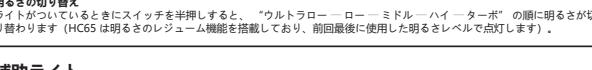
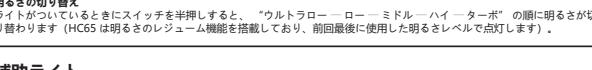
電池の取り方

下図のように電池を入れてください:

ノート:

1. 電池はプラスマイナスの表示に従って入れてください。間違った向きに入れると点灯しません。

2. 光度は直線的に下がります。



メインライト

オン/オフ

オフ: ライトが消しているとき、スイッチを0.6秒半押しすると補助白色ライトが点灯します。

オフ: ライトが点灯しているときにスイッチを全押しすると、初期の表示が点灯します。

オフ: ライトがついているときにスイッチを半押しすると消灯します。

オフ: ライトがついているときにスイッチを全押しすると赤色ライトが点灯します。

オフ: ライトがついているときにスイッチを半押しすると赤色ライトが点灯します。

オフ: ライトがついているときにスイッチを全押しすると赤色ライトが点灯します。

オフ: ライトがついているときにスイッチを全押しいると点灯します。

オフ: ライトがついているときにスイッチを全押しと点灯します。

オフ: ライトがついているときにスイッチを全押しと点灯します。