

NITECORE®
HC70 UHE head torch



NITECORE HC70 UHE head torch User Manual

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NITECORE®

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Product Specifications

- **Primary White Light:** TURBO 1,600 Lumens, HIGH 1,000 Lumens, MID 500 Lumens
- **Auxiliary Red Light:** LOW 150 Lumens, ULTRALOW 8 Lumens, HIGH 15 Lumens
- **Brightness Levels:** LOW, SLOW FLASHING
- **Runtime:** Varies from 38h to 220h depending on mode
- **Beam Distance:** Varies from 5m to 156m depending on mode
- **Impact Resistance:** 1.5m
- **IP Rating:** IP68, 2m (Waterproof and Submersible)

Product Usage Instructions

Safety Instructions:

1. Product intended for adults aged 18 and over.
2. Avoid direct exposure of light beam to eyes.
3. Avoid prolonged high brightness levels to prevent burns.
4. Avoid covering the product or placing it near other objects.
5. Avoid illuminating flammable or explosive materials.
6. Use the product in a standard manner.
7. Avoid submerging the product into any liquid when hot.
8. Activate Lockout Mode or remove the battery when not in use for safety.
9. Recharge the product using the original charging cable every 6 months when unused.
10. Do not disassemble or modify the product.

Battery Safety:

Refer to the manual for complete battery safety instructions.

FAQ

- **How often should I recharge the product?**

Recharge the product every 6 months when left unused for a prolonged time.

- **What should I do if the product is generating massive heat during use?**

Exercise caution during use and avoid prolonged high brightness levels to prevent burns and product damage.

- **Can I use the product to illuminate flammable materials?**

Do not use the product to illuminate flammable or explosive materials as it may lead to combustion or explosion.

IMPORTANT

- Thanks for purchasing NITECORE!
- Please read this manual carefully before using the product and follow the instructions.
- This manual contains important safety information and operating instructions. Please keep it for future reference.
- In case of updates, please refer to the latest version available on the official website.

Warning

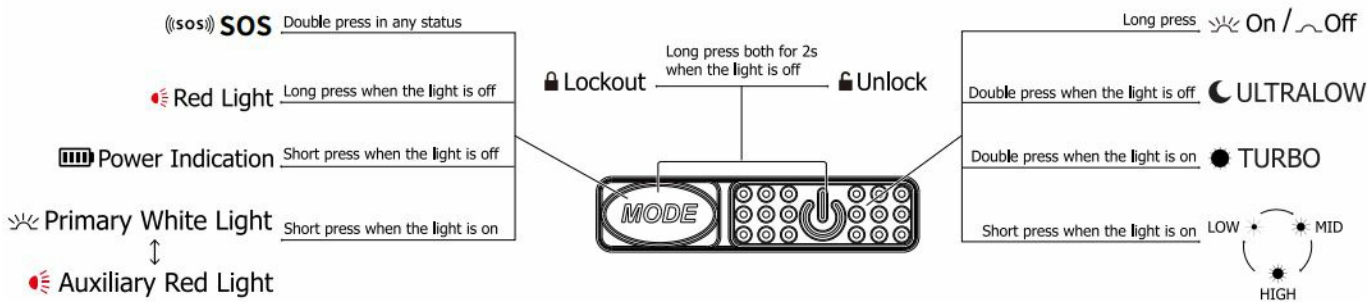
1. This product is intended for use by adults aged 18 and over. Please keep this product out of the reach of children.
2. CAUTION! Possible dangerous radiation! DO NOT stare directly into the light beam or shine the light directly into the eyes of anyone!
3. The product will generate massive heat during prolonged operation. Please exercise caution during use. It is recommended not to use high brightness levels for extended periods to prevent burns and product damage.
4. DO NOT cover the product or put it close to other objects, as this may cause damage to the product or accidents due to high temperatures.
5. DO NOT use the product to illuminate flammable or explosive materials, as the high heat may lead to combustion or explosion.
6. Please use the product in a standard manner to avoid accidents in the event of product failure.
7. DO NOT submerge the product into any liquid when it is hot. Doing so may cause irreparable damage to the light due to the difference of air pressure inside and outside of the tube.
8. When the product is placed in an enclosed or flammable environment such as a pocket or backpack, or when it is left unused for an extended period, please turn off the product and activate the Lockout Mode (or unscrew the battery cap) to avoid accidental activation and dangers caused by excessive heat. Alternatively, remove the battery to prevent damage from battery leakage.
9. DO NOT expose the product to temperatures above 60°C (140°F) for prolonged time, as this poses a risk of battery explosion or combustion.
10. Please recharge the product with the original charging cable to avoid shortening the lifespan of the battery.
11. Please recharge the product every 6 months when left unused for a prolonged time.
12. DO NOT disassemble or modify this product as doing so will cause damage to it and render the product warranty invalid. Please refer to the warranty section in the manual for complete warranty information.

Battery Safety

Improper use of the battery may result in severe battery damage or safety hazards such as combustion or explosion. DO NOT use the battery if its wrapper is damaged or if its discharge current does not match your product. DO NOT disassemble, puncture, cut, crush, incinerate or short-circuit the battery. DO NOT mix the

batteries of different brands or types. If any leakage, abnormal odor, or deformation is noticed, stop using the battery immediately and dispose of it properly. Dispose of the device/batteries in accordance with applicable local laws and regulations.

Control Panel

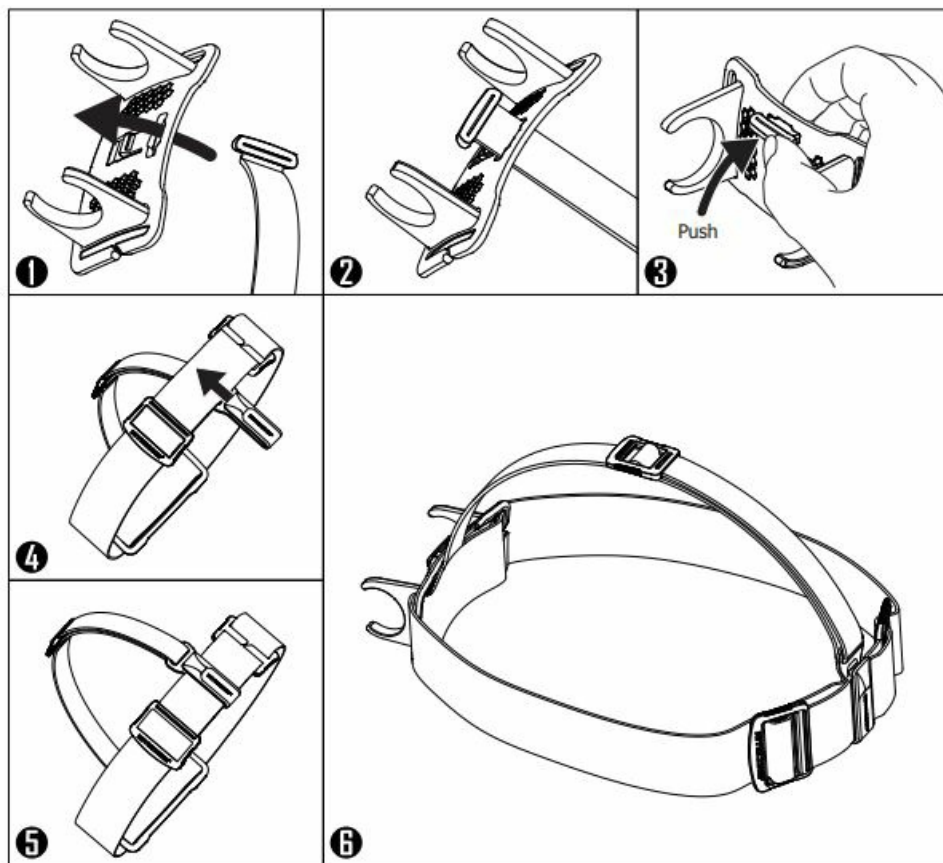


Technical Data

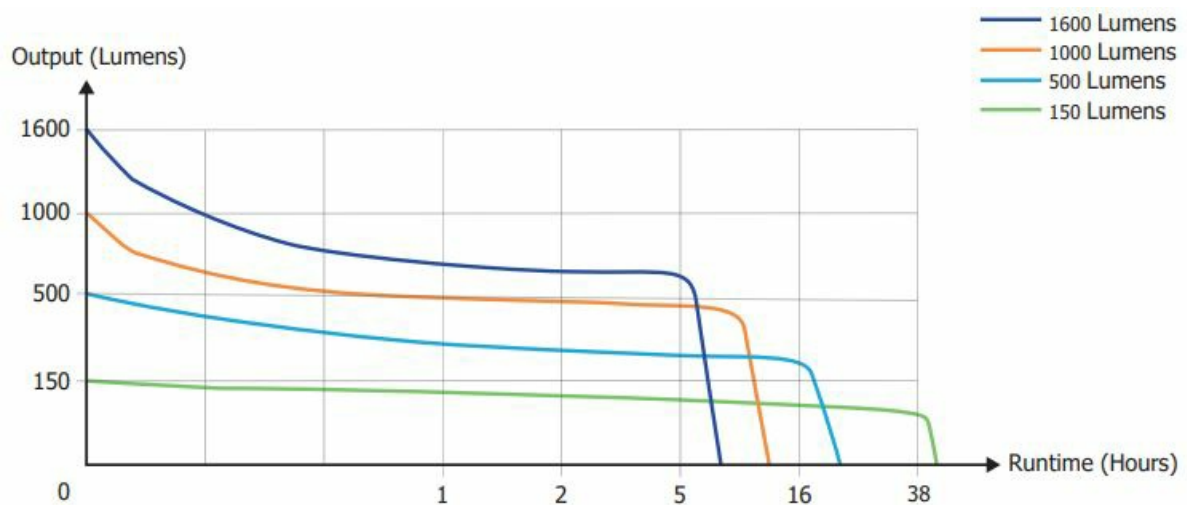
	Primary White Light					Auxiliary Red Light			Primary White Light	
	TURBO	HIGH	MID	LOW	ULTRALOW	HIGH	LOW	SLOW FLASHING	SOS	BEACON
Brightness	1,600 Lumens	1,000 Lumens	500 Lumens	150 Lumens	8 Lumens	15 Lumens	5 Lumens	15 Lumens	1,500 Lumens	1,500 Lumens
Runtime	5h	8h	18h	38h	220h	50h	138h	—	—	—
Beam Distance	156m	126m	87m	47m	13m	9m	5m	—	—	—
Peak Beam Intensity	6,112cd	3,674cd	1,893cd	542cd	41cd	19cd	7cd	—	—	—
Impact Resistance	1.5m (Impact Resistance)									
IP Rating	IP68, 2m (Waterproof and Submersible)									

Note: The stated data is measured using 1 x 21700 battery (6,000mAh) under laboratory conditions. The data may vary in real world use due to different battery usage or environmental conditions.

Top Strap Installation Guide



Runtime Figure for Primary White Light



Features

- Max output of 1,600 lumens
- Utilizes ultra high-efficiency UHE LED
- Equipped with primary white lights (Color Temperature: 6,000K) and an auxiliary red light
- Utilizes an optical matrix lens system with various facets
- Includes a 6,000mAh 21700 high-capacity Li-ion battery
- A highly efficient constant current circuit provides a stable output
- Built-in intelligent Li-ion battery charging circuit with a USB-C charging port (5V 2A)
- Designed with two buttons different in shape and touch, offering easy one-handed operation
- Offers 5 brightness levels, 3 special modes, and 2 brightness options for red light

- Designed with 4 power indicators to indicate the remaining battery power
- Constructed from PC and aero-grade aluminum alloy
- HA III military-grade hard-anodized finish
- Incorporated Advanced Temperature Regulation (ATR) module (Patent No. ZL201510534543.6)
- Includes a removable bracket
- Impact resistant to 1.5 meters
- Waterproof and dustproof rating under IP68 (2 meters submersible)

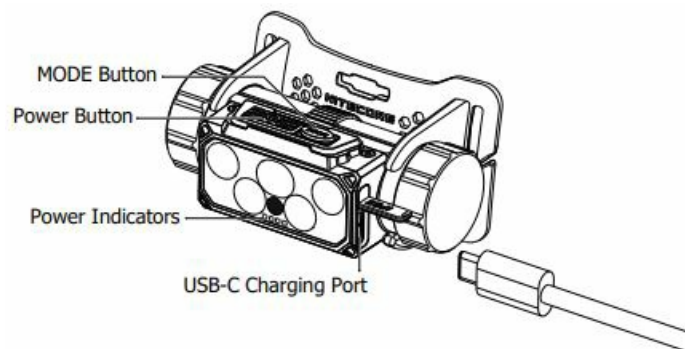
Specifications

- **Dimensions:** 84.0mm x 45.2mm x 50.5mm (3.31" x 1.78" x 1.99") (Bracket Included)
- **Weight:** 172g (6.07 oz) (Battery, Bracket and Headband Included) 96g (3.39 oz) (Bracket and Headband Included)

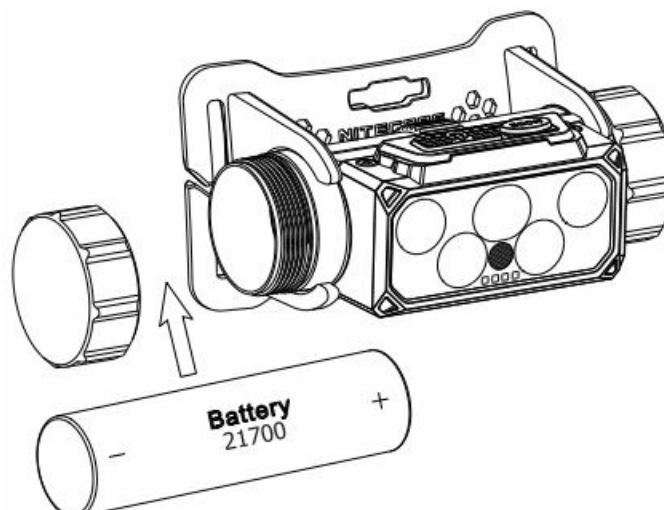
Accessories

NITECORE 21700 Rechargeable Li-ion Battery (NL2160 6,000mAh), USB-C to USB-C Charging Cable, Bracket, Headband, Storage Case, Top Strap, Spare O-ring

Charging Function



Battery Installation / Removal



Warranty Details

- All NITECORE® products are warranted for quality. Any DOA /defective product can be exchanged for a replacement through a local distributor/dealer within 15 days of purchase. After that, all defective/malfunctioning NITECORE® products can be repaired free of charge within 60 months from the date of purchase. Beyond 60 months, a limited warranty applies, covering the cost of labor and maintenance, but not the cost of accessories or replacement parts.
- The warranty will be nullified if
 1. the product(s) is/are broken down, reconstructed, and/or modified by unauthorized parties;
 2. the product(s) is/are damaged due to improper use. (e.g. reversed polarity installation)
 3. the product(s) is/are damaged due to battery leakage.
- 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 in this user manual are for reference purposes only. Should any discrepancy occur between this manual and information specified on www.nitecore.com, Sysmax Innovations Co., Ltd. reserves the right to interpret and amend the content of this document at any time without prior notice.

Charging Function

The HC70 UHE is equipped with an intelligent charging system. Please charge the battery before the first use.

- **Power Connection:** As illustrated, uncap the USB protection cover and use the USB cable to connect an external power supply (e.g. a USB adapter or other USB charging devices) to the charging port to begin the charging process. The charging time is approx.3 hours 20 minutes. (Charged via the 5V/2A adapter)
- **Charging Indication:** During the charging process, the power indicators will transition gradually from flashing to a steady light, one by one, displaying the battery level. When the battery is fully charged, the 4 power indicators will become steadily turned on. When fully charged, the standby time is approx. 12 months.

Battery Installation / Removal

As illustrated, after unscrewing the battery cap, insert/remove the battery and screw to tighten the cap. Please remove the insulation film before the first use.

Warnings:

1. Ensure the battery is inserted with the negative end facing towards the battery cap. The product will not work if the battery is incorrectly inserted.
2. When the power level is low, please stop using the product and recharge the battery as soon as possible to prevent damage.

Power Button / MODE Button

- The Power Button is used for turning on / off the light and adjusting brightness levels.
- The MODE Button is designed for switching light sources.

On / Off

- When the light is off, long press the Power Button for 1 second to access White LOW.
- When the light is on, long press the Power Button or MODE Button for 1 second to turn it off.

Primary White Light

- When the light is off, long press the Power Button for 1 second to access LOW.
- When the light is off, double-press the Power Button to access ULTRALOW.
- When the primary white light is on, short press the Power Button to cycle through the following brightness levels: LOW – MID – HIGH.
- When the primary white light is on, double-press the Power Button to access TURBO. Short press the Power Button again to return to the previous status.

Auxiliary Red Light

- When the light is off, long press the MODE Button for 1 second to access Red LOW.
- When the auxiliary red light is on, short press the Power Button to switch between Red LOW and Red HIGH.

Light Sources Switching

When the light is on, short press the MODE Button to switch between the primary white light and the auxiliary red light.

Special Modes (SOS / BEACON / SLOW FLASHING)

- When the headlamp is in any status, double-press the MODE Button to access SOS.
- When either special mode is on, short press the Power Button to cycle through the following sequence: SOS – BEACON – SLOW FLASHING. Double-press the MODE Button again to return to the previous status.

Lockout / Unlock

- When the headlamp is off, long press both buttons for 2 seconds until the headlamp flashes 3 times to indicate access to the Lockout Mode. In Lockout Mode, any brightness levels or special modes are unavailable, and the headlamp will flash once to indicate this status when pressing either button.
- When in the Lockout Mode, long press both buttons for 2 seconds again until ULTRALOW is activated to indicate the unlock status.

Note: The headlamp will be automatically unlocked when charging or replacing the battery in the Lockout Mode.

Power Indication

When the light is off, short press the MODE Button, the corresponding power indicators will be on in turn and go off after 2 seconds.

Note: The battery should be recharged or replaced when the output appears to be dim or the headlamp becomes unresponsive due to low power.


Status of Indicators	Power Level
4 Constant-on	75% – 100%
3 Constant-on	50% – 75%
2 Constant on	25% – 50%
1 Constant on	0% – 25% (Please recharge or replace the battery as soon as possible)

Connecting to an External Power Supply

The HC70 UHE can be directly powered by an external power supply. When connected to an external power supply, the headlamp will automatically start charging and prioritize using the external power supply.

- **Connect:** When the headlamp is on, connect one end of the USB cable to the headlamp and the other end to a power supply. The headlamp will flash once to inform the user.
- **Disconnect:** When the headlamp is on, disconnect the USB cable. The headlamp will flash twice (3 times each) and stop charging. At this point, the headlamp will be automatically powered by its battery

Documents / Resources

	NITECORE HC70 UHE head torch [pdf] User Manual HC70 UHE Head Torch, HC70 UHE, Head Torch, Torch
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References

-  [NITECORE](#)
- [User Manual](#)

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