

NITECORE NU27 Head Torch User Manual

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NU27 User Manual



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9.1 References

NU27 Head Torch

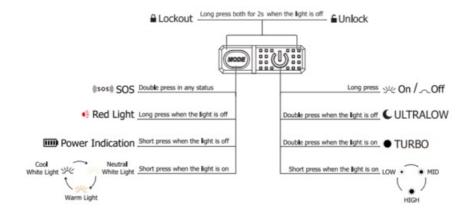


✓!\/> IMPORTANT

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.



Features

- Max output of 600 lumens
- Utilizes dual-core MCT (Multiple Color Temperatures) UHE LEDs
- Equipped with primary lights with 3 color temperatures (3,000K warm light / 4,500K neutral white light / 6,500K cool white light), and auxiliary red lights
- · Utilizes a unibody optical lens system with various facets
- · Max throw of 123 meters
- Built-in 850mAh Li-ion battery
- Built-in intelligent Li-ion battery charging circuit with a USB-C charging port
- 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
- All new power indicators for intuitive power indication
- Made from durable PC material
- Impact resistant to 1 meter
- · Waterproof and dustproof rating in accordance with IP66

Specifications

Dimensions: 65.5mm x 33.9mm x 25.5mm (2.58" x 1.33" x 1.00") (Bracket Included)

Weight: 56g (1.98 oz) (Bracket and Headband Included)

Accessories

USB-C to USB-C Charging Cable, Headband, Clip, Diffusing Stuff Sack

Technical Data

	Primary Light (Neutral White Light / Warm Light / Cool White Light)					Auxiliary Red Light			Primary Light (Neutral White Lig ht)	
	TURBO	HIGH	MID	LOW	ULTRA LOW	HIGH	LOW	SLOW FLASHI NG	sos	BEACO N
Brightness	600 Lu mens	400 Lu mens	200 Lu mens	70 Lum ens	6 Lume ns	15 Lum ens	5 Lume ns	15 Lum ens	400 Lu mens	400 Lu mens
Runtime	_	3h	6h 30m in	13h	57h	8h 30m in	27h	_	_	_
Beam Dist ance	123m	99m	70m	43m	13m	7m	4m	_	_	_
Peak Bea m Intensity	3,705cd	2,407c d	1,198c d	437cd	40cd	10cd	4cd	_	_	_
Impact Re sistance	lm									
Water Resi stance	IP66									

Note: The stated data is measured by using the built-in Li-ion battery (3.85V 850mAh) under laboratory conditions. The data may vary in real world use due to different environmental conditions.

△ 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. 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 activate the Lockout Mode to avoid accidental activation and dangers caused by excessive heat.
- 8. 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.
- 9. Please recharge the product with the original charging cable to avoid shortening the lifespan of the battery.
- 10. Please recharge the product every 6 months when left unused for a prolonged time.
- 11. 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 devices with built-in Li-ion batteries may result in severe battery damage or safety hazards such as combustion or explosion. DO NOT use the device if it is damaged. DO NOT disassemble, puncture, cut, crush, or incinerate the device. If any leakage or abnormal odor is noticed, stop using the device immediately. Dispose of the device/batteries in accordance with applicable local laws and regulations.

Warranty Service

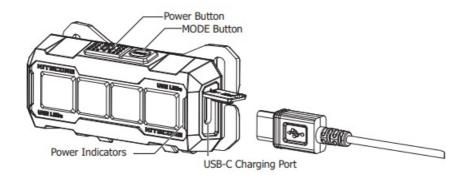
All NITECORE® products are warranted for quality. Any DOA / defective product can be exchanged for a replacement through a local distributor/dealer within 15 days of purchase. After that, all defective / malfunctioning NITECORE® products can be repaired

free of charge within 24 months from the date of purchase. Beyond 24 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.

For the latest information on NITECORE® products and services, please contact a local NITECORE® distributor or send an email to service@nitecore.com

Product Overview



Worldwide Warranty Service

Model number Date of purchase Serial number Store Stamp

This is the certificate of authenticity of this item and we confirm that it has been subjected to the most exacting

quality controls by SYSMAX Innovations Co., Ltd.

NOTE:

Please ensure this warranty card is fully completed by the distributor or retailer after purchasing the product. Should the product fail to operate correctly during the warranty period, it may be returned with the completed warranty card and original sales receipt to the retailer or local distributor for replacement or repair.

Customer Service Email: service@nitecore.com

Charging Function

The NU27 is equipped with an intelligent charging system. Please charge the headlamp 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.

1 hour 15 minutes. When fully charged, the standby time is approx. 12 months.

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.

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 color temperatures.

On / Off

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

Primary Light

- When the light is off, long press the Power Button for 1 second to access Neutral White LOW.
- When the light is off, double press the Power Button to access Neutral White ULTRALOW.
- When the primary light is on, short press the MODE Button to cycle through "Neutral White Light Warm Light
 Cool White Light".
- After switching from neutral white light to warm light, if there is no operation for more than 1 minute, short pressing the MODE Button will switch directly back to neutral white light (skipping cool white light for this cycle).
- When any color temperature of the primary light is on, short press the Power Button to cycle through the following brightness levels: LOW – MID – HIGH.
- When any color temperature of the primary light is on, double press the Power Button to access TURBO. Short pressing the Power Button will return to the previous memorized brightness level.

Note: The TURBO Level will step down to prevent overheating and prolong battery life when it runs for a prolonged period.

Auxiliary Red Light

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

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 Neutral White ULTRALOW is activated to indicate the unlock status.

Note: The product will be automatically unlocked when charging in the Lockout Mode.

Power Indication

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

Note: The battery should be recharged 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 the product as soon as possible)				

Thanks for purchasing NITECORE!

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References

- NITECORE
- User Manual

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