



NITECORE TM12K Compact and Intelligent Sharp Light User Manual

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NITECORE® **KEEP INNOVATING** TM12K USER MANUAL

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TM12K Compact and Intelligent Sharp Light

Compact and Intelligent Sharp Light

- Max Output of 12,000 Lumens
- Customizable HIGH Brightness Level
- Multi-functional OLED Display



Features

- Utilizes 6 x CREE XHP50 LEDs to produce a max output of 12,000 lumens
- Maximum beam intensity of 15,600cd and maximum throw of 250 meters
- Lightweight, rigid and fast cooling tube built from unibody die-cast CNC technology
- Multifunctional OLED real-time display for brightness, battery voltage, runtime and temperature etc.
- Built-in 4,800mAh 21700 rechargeable Li-ion battery
- Intelligent Li-ion battery charging circuit
- High efficiency constant circuit provides stable output up to 200 hours
- Combination of dual side buttons and a tail switch controls 5 brightness levels
- Customizable HIGH Brightness Level
- An optical system combined with crystal coating and "Precision Digital Optics Technology" (PDOT)
- Optical lenses with double-sided scratch resistant .coating
- Constructed from aero grade aluminum alloy
- HA III military grade hard-anodized finish
- Waterproof in accordance with IP68 (2 meters .submersible)
- Impact resistant to 1 meter
- Tail stand capability

Specifications

Dimensions: 108mm x 41mm x 31mm (4.25" x 1.61" x 1.22")(Clip Included)

Weight: 233 (8.22oz) (Clip Included)

Accessories

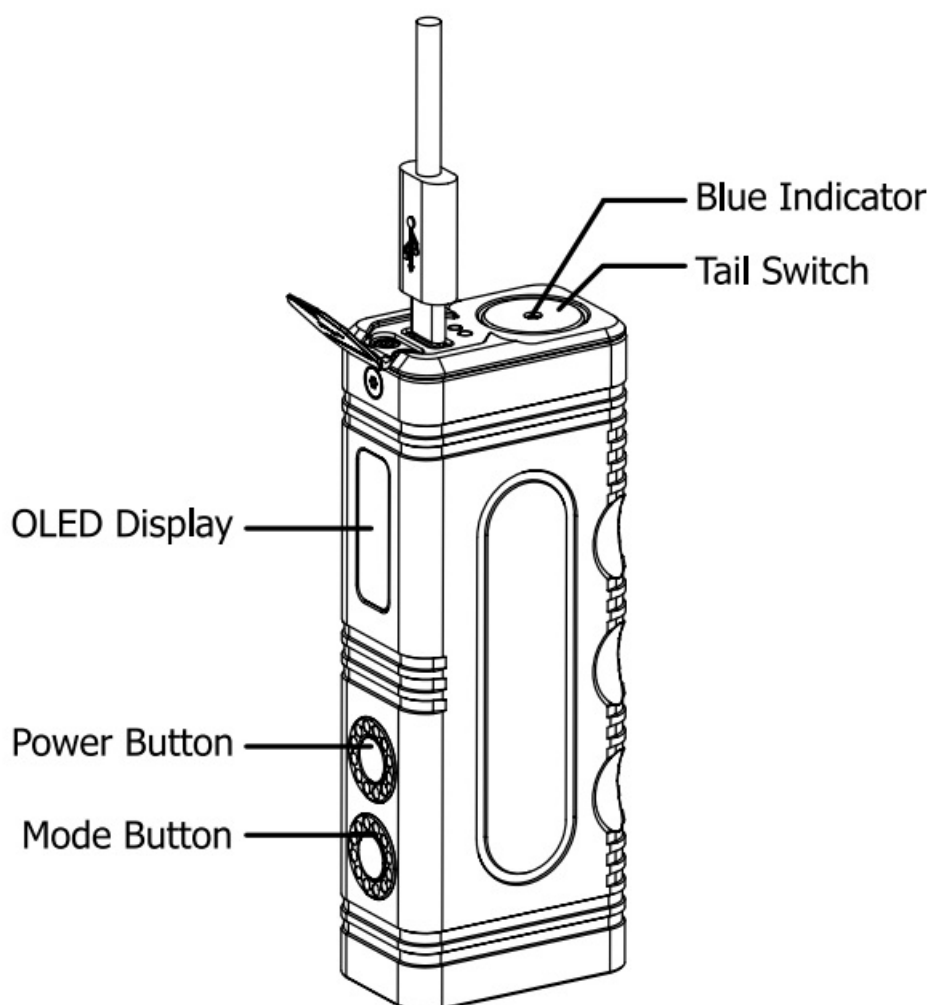
USB-C Charging Cable, Holster, Lanyard

Technical Data

	TURBO	HIGH	MID	LOW	ULTRALOW
Brightness	12,000 00 Lumens	1,000 Lumens	300 Lumens	100 Lumens	6 Lumens
Runtime		*2 15min	7h 30min	20h 200h	200h
Beam Distance	250m	71m	35m	21m	5m
Peak Beam Intensity	15' 600cd	1,280cd	330cd	118cd	7cd
Impact Resistance	1m (Impact Resistance)				
Water Resistance	IP68, 2m (Waterproof and Submersible)				

Note: The stated data is measured using 1 x 21700 Liion Battery (3.6V 4,800mAh) under laboratory conditions. The data may vary in real world use due to different battery usage or environmental conditions. * The HIGH Brightness Level is customizable between 400 – 2,000 lumens (Default: 1,000 lumens). Its runtime is tested in the default brightness without the temperature regulation.

Charging



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

❖ All images, texts and statements specified herein 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 rights to interpret and amend the content of this document at any time without prior notice.

Charging

TM12K is equipped with intelligent charging function.

Please recharge the flashlight before the first use.

TM12K is available for both Standard Charging Mode and Quick Charging Mode. As illustrated, flip the metal cap on the charging port and connect it with the USB adapter (available as an optional accessory) via the USB cable.

- When charging via a QC adapter, it will automatically access the QC mode and the screen will show “Q.charge” and the current battery voltage. When charging via a non-QC adapter, the screen will show “Charging...” and the current battery voltage.
- When the product is fully charged, it will automatically cease the charging process and the screen will show “chg.finished” and the current battery voltage.
- When a malfunction occurs during the charging process, the screen will show “Error” to inform the user.
- When the light is on, connecting a charging cable will automatically turn the light off. The light will return to its previous memorized brightness level when the charging cable is disconnected.
- The charging time in QC Mode is approx. 1.5 hours.
The charging time in Standard Charging Mode is approx. 4 hours (Charged via the 5V / 2A Adapter)
- When fully charged, the standby time is approx. 12 months.

Operating Instructions

Multifunctional OLED Display

TM12K is equipped with a multifunctional OLED display.

- When the flashlight is turned on, the screen will successively show the current info (Brightness Level & Lumens→Battery Voltage→Power Remaining→Runtime Remaining→Temperature) before it goes out.
- When the flashlight is turned off, the screen will show “Standby” and the current battery voltage for approx. 10 seconds before it goes out.
- After the screen goes off, short pressing the Mode Button can reactivate the screen.

On / Off

On: When the light is off, short press the Power Button to turn it on.

Off: When the light is on, short press the Power Button to turn it off.

Brightness Levels

When the light and the screen are on, short press the Mode Button to cycle through “ULTRALOW – LOW – MID

– HIGH”. The flashlight will directly access the previously memorized brightness level when reactivated.

Note: When the screen is off, short press the Mode Button to activate the screen before adjusting the brightness level.

Direct Access to ULTRALOW / HIGH

Directly to ULTRALOW: When the light is off, long press the Power Button to directly access ULTRALOW.

Directly to HIGH: When the light is off, long press the Mode Button to directly access HIGH.

HIGH Brightness Level Customization

The HIGH Brightness Level is customizable between 400 – 2,000 lumens (Default: 1,000 lumens).

- When the light is at HIGH Brightness Level, press and hold both the Power Button and the Mode Button simultaneously for over 3 seconds to access the setting mode, during which the screen will flash to show the current brightness level and lumens.
- When in setting mode, short press the Power Button to increase the brightness by 100 lumens each time to a maximum brightness of 2,000 lumens; short press the Mode Button to decrease the brightness by 100 lumens each time to a minimum brightness of 400 lumens.
- When the setting is finalized, press and hold both the Power Button and the Mode Button simultaneously until the light is turned off to save your preference and exit setting mode.
- When in setting mode, short press the Tail Switch to return to default 1,000 lumens and the light will be turned off.
- When in setting mode, apply no action in 10 seconds to exit setting mode without saving your preference.

TURBO Brightness Level

TURBO Activation: When activating TURBO, a countdown progress bar will be shown on the display. The progress bar will be discharged while activating TURBO.

- Press and hold the Tail Switch to access TURBO.
Release to return to the previous status. (This feature is not available in Full Lockout Mode. Please refer to “Lockout / Unlock” Section.)
- When the light is on, press and hold the Mode Button to access TURBO. Release to return to the previous brightness level.

Note:

1. When holding the Tail Switch / the Mode Button with the progress bar fully discharged, the light will access HIGH Level instead and the progress bar will be shown empty. Release to return to the previous status, and the progress bar will be recharged.
2. The recharging time of the progress bar depends on the thermal status of the flashlight. During the recharging process, short press the Mode Button to exit displaying the progress bar. The progress bar might cease recharging when the flashlight is at high temperature.
3. When the temperature of the flashlight is too high to access TURBO, it will access HIGH instead and the screen will show “OVER HEAT” to inform the user.
4. When at low temperature, the brightness of TURBO might be affected by the insufficient battery power.

Lockout / Unlock

TM12K has two lockout modes (Half Lockout Mode and Full Lockout Mode).

Half Lockout Mode (Lockout 1):

- When the light is on, press and hold the Power Button, during which the screen will show “Locking...”, until the light is turned off to access Half Lockout Mode. After that, the screen will show “Lockout 1” and the current battery voltage.
- When in Half Lockout Mode, both the Power Button and the Mode Button are unavailable to activate the flashlight. Short pressing either button will activate the screen only.
- When in Half Lockout Mode, the Tail Switch is still available for accessing TURBO.

Full Lockout Mode (Lockout 2):

- When the light is on, press and hold the Power Button even after accessing Half Lockout Mode, until the light flashes once and the screen shows “Lockout 2” to access Full Lockout Mode.
- When in Full Lockout Mode, all 3 buttons are unavailable to activate the flashlight. Short pressing any button will activate the screen only.

Unlock:

In either Lockout Mode, short press and then long press the Power Button, during which the screen will show “Unlock...”, until the flashlight is activated to exit Lockout Mode.

Location Indication

On: When the light is off, press and hold both the Power Button and the Mode Button until the screen shows “BEACON ON” to access Location Indication. The blue indicator located in the Tail Switch will flash once every 2 seconds to indicate the location of TM12K. The standby time in this status is approx. 3 months.

Off: When the light is off, press and hold both the Power Button and the Mode Button until the screen shows “BEACON OFF” to exit Location Indication.

ATR

With incorporated Advanced Temperature Regulation module, TM12K regulates its outputs and adapts to the ambient environment, maintaining optimal performance.

Warnings

1. The TURBO Brightness Level of 12,000 lumens will produce massive heat rapidly during longtime activation. To avoid overheating and prevent accidental damage, DO NOT activate TURBO repeatedly if the light becomes too hot to handle.
2. The HIGH Brightness Level is customizable between 400 – 2,000 lumens. To avoid overheating, DO NOT activate HIGH for a long time if the light becomes too hot to handle.
3. DO NOT cover the head of the flashlight or put it close to other objects when turned on to avoid accidents.
4. DO NOT submerge the flashlight 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.
5. When the flashlight is kept in the backpack or the holster, please activate the Lockout Mode.
6. CAUTION! Possible dangerous radiation! Don't look into the light! May be dangerous for your eyes.
7. Please recharge the product with the original charging cable and a 5V/2A adapter or a QC adapter.
8. Please recharge the product before the first use.
9. Please recharge the product every 6 months when left unused for a long time.
10. The battery is built-in and non-replaceable.
11. Dispose of the device/batteries in accordance with applicable local laws and regulations.

WARNINGS

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2. **DO NOT** cover the head of the flashlight or put it close to other objects when turned on to avoid accidents.
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