NITECORE®
The All-Round Flashlight Expert

TM16 User Manual

Features

· Utilizes 4 CREE XM-L2 U2 LEDs
· Maximum output up to 4000 lumens
· Features advanced temperature regulation (ATR) technology
· Boasts a peak beam intensity of 122,500cd and a throw distance up to 700 meters
· Dual-switch user interface ensures one-handed easy operation
· Features 5 brightness levels and 3 special modes
· High efficiency circuit board provides max runtime up to 520 hours
· Integrated power indicator light displays remaining battery power (Chinese Patent: ZL201220057767.4)
· Power indicator's secondary function displays battery voltage (accurate to 0.1V)
· Direct access to ultra-low or turbo ensures flexibility and convenience
· Reverse polarity protection prevents damage from incorrectly inserted batteries
· Stainless steel retaining ring protects the core components from damage
· Rear tripod connector brings extra funtionality
· Toughened ultra-clear mineral glass with anti-reflective coating
· Constructed from aerograde aluminum alloy
· Sturdy HAIII military grade hard-anodized
· Waterproof in accordance with IPX-8 (two meters submersible)
· Impact resistant to 1.5 meters
· Tail stand capability

Dimensions

Length: 182mm (7.17")
Head diameter: 89mm (3.5")
Tube diameter: 53mm (2.09")
Weight: 506g (17.85oz)(without battery)

Accessories

Lanyard, spare O-ring

Battery Options

	Type	Nominal voltage	Compatible
18650 Rechargeable Li-ion battery	18650	3.7V	Yes (Recommended)
Primary Lithium battery	CR123	3V	NO
Rechargeable Li-ion battery	RCR123	3.7V	NO

*Warning: Do not use the TM16 with RCR123 or CR123 batteries for it may damage the flashlight.

Output & Runtime

| FL 1 STANDARD	TURBO	HIGH	MID	LOW	LOWER
☀	4000 LUMENS	1780 LUMENS	680 LUMENS	280 LUMENS	5 LUMENS
🕐	45min	2h30min	6h	16h 30min	520h
◀	700m (Beam Distance)				
◉	122500cd (Peak Beam Intensity)				
✓	1.5m (Impact Resistant)				
⬇	IPX-8, 2m (Waterproof AND Submersible)				

NOTICE:

The above data has been measured in accordance with the international flashlight testing standards ANSI/NEMA FL1 using 4 x 18650 (3.7V 2600mAh) batteries 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

1. Insert batteries with the positive (+) and negative (-) ends corresponding to the diagram on the inside of the battery compartment.
2. Tighten the tail cap by aligning the two gold pins on the inside of the tail cap with the corresponding holes on the flashlight body and rotate clockwise.
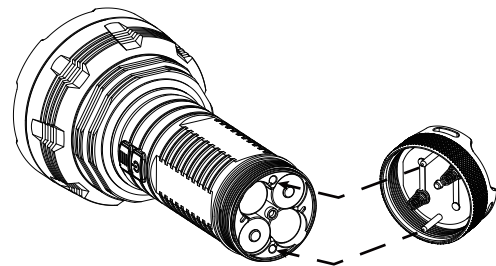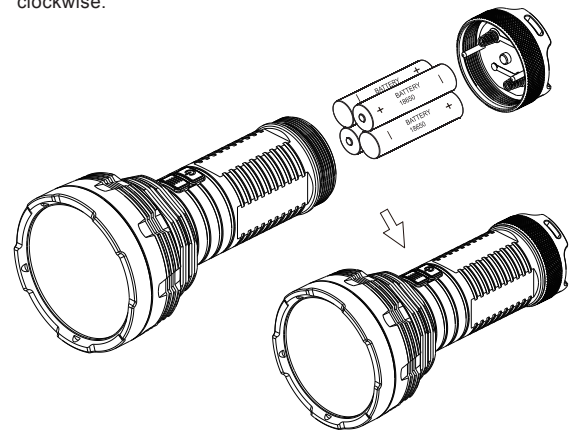
NOTE: Upon battery installation, the power indicator light will blink to indicate the battery voltage. Please refer to the "Power Tips" section of this manual for details.

WARNING:

1. Insert batteries as labeled on the inside of the battery compartment.
2. Do not mix batteries of different types/brands.
3. When the TM16 is stored in a backpack or left unused for extended periods, Nitecore recommends batteries are removed to cut off the power entirely, thus preventing battery drain or accidental activation of the flashlight.

On/Off Operation

To turn on: press the on/off switch 🔘 to turn the light on
To turn off: press the on/off switch 🔘 again to turn the light off

Standby Mode

When the light is on, press and hold the on/off switch 🔘 for more than one second to turn off the light and activate location beacon function. The blue power indicator will blink once every three seconds to indicate the location of the TM16. In this mode, the TM16 will operate for over 6 months.

Brightness Levels

When the light is on, press the mode switch 📧 to cycle through brightness levels of ultra-low, low, medium, high and turbo. This mode provides an intelligent memory function that ensures direct access to the setting last used.

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Direct access to ultra-low/turbo

When the light is off, press and hold the on/off switch ⏻ for more than one second to enter ultra-low output of 5 lumens;
When the light is off, press and hold the mode switch 🔳 for more than one sencond to enter turbo output of 4000 lumens.

Special modes (Strobe/Location Beacon/SOS)

When the light is on, press and hold the mode switch 🔳 for more than one second to enter strobe mode. To cycle through all three modes of Location Beacon / SOS / Strobe, press and hold the mode switch 🔳 for more than one second again. To exit special modes, simply press the on/off switch ⏻ .

Direct access to strobe:

When the light is off, press the mode switch 🔳 twice in quick succession to enter strobe mode instantly. To exit, simply press any switch and the light will turn off.

Lockout/Unlock

When the light is on, press and hold both switches simultaneously for more than one second until the flashlight is switched off and enters into lockout mode. In this mode, neither of the switches will be functional. TM16 will keep operating for over 1 year in this mode.
Lockout mode prevents accidental activation of the flashlight. To exit lockout mode, simply press and hold both switches simultaneously for more than one second again.

Power Tips

1. When the light is off, press the mode switch 🔳 to activate the blue power indicator. The power indicator light will blink 3 times when power level is above 50%; twice when power level is below 50% or once when batteries are close to depletion.
2. Upon battery installation, the 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 one second pause and another 2 blinks. Different voltages represent the corresponding remaining battery power levels:

low power			Full power
3.5V	3.7V	3.9V	4.2V
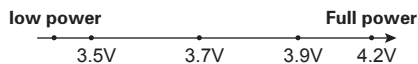
ATR Technology

Advanced temperature regulation (ATR) technology allows the TM16 to dynamically adjust output performance according to its body temperature. This prevents damage from overheating and prolongs its working life.

Changing Batteries

Batteries should be replaced or recharged when output appears to be dim or the flashlight becomes unresponsive.

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:
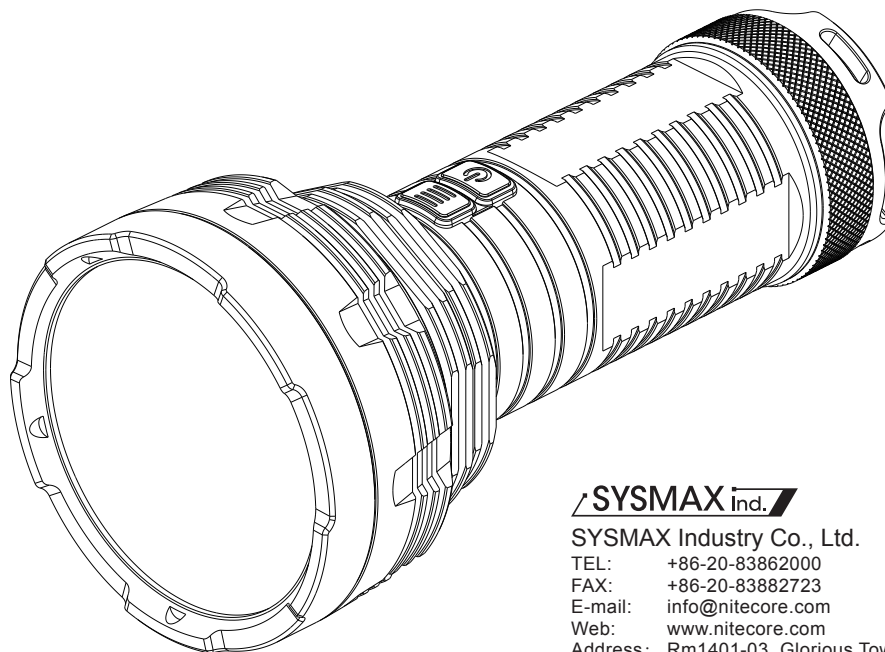1. The product(s) is/are broken down, reconstructed and/or modified by unauthorized parties.
2. The product(s) is/are damaged through improper use.
3. The product(s) is/are damaged by leakage of batteries.
For the latest information on NITECORE® products and services, please contact a local NITECORE® distributor or send an email to service@nitecore.com

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