

# NITECORE®

The All-Round Flashlight Expert

# TM03/TM03 CRI

## User Manual

### Features

- Two colour temperature options available
- TM03: Fitted with a CREE XHP70 LED
- TM03 CRI: Fitted with a CREE XHP70 LED with higher colour rendering, CRI ≥80, CCT: 5000K
- Ultra-bright multi purposes tactical modes
- Dual-switch tail cap designed for tactical application
- Mode 1 Suppression mode: Direct access to turbo mode
- Mode 2 STROBE READY™ Direct access to Strobe Mode (Chinese Patent:201320545349.4)
- Four easily accessible brightness levels and memory function
- Maximum beam intensity up to 21,000cd
- Remarkable runtime up to 30 hours
- 289 meters throw distance
- Fitted with a metallic micro textured reflector for optimal peripheral illumination
- Hidden power indicator in the tail switch indicates battery power (Chinese patent: ZL201220057767.4)
- Electric reverse polarity protection
- Thermal regulation
- Anti-rolling design
- Toughened ultra-clear mineral glass with anti-reflective coating
- Constructed from aero grade aluminum alloy
- HAIII military grade hard-anodized
- Waterproof in accordance with IPX8 (two meters submersible)

### Dimensions

Length: 6.26" (159mm)  
 Head Diameter: 1.57"(40mm)  
 Tail Diameter: 1.18" (30mm)  
 Weight: 7.51oz (213g)(without battery)

### Accessories

1xNI18650D dedicated battery (for TM03/TM03 CRI only), O-ring, holster, battery protective cover  
 \*The dedicated NI18650D battery can be purchased separately.

### Battery Type

The TM03 uses a dedicated Nitecore IMR 18650 Li-ion rechargeable battery.

### Brightness & Runtime

TM03					TM03 CRI				
FL1 STANDARD	TURBO	HIGH	MID	LOW	FL1 STANDARD	TURBO	HIGH	MID	LOW
2800 LUMENS	1350 LUMENS	550 LUMENS	40 LUMENS	40 LUMENS	2600 LUMENS	1350 LUMENS	550 LUMENS	40 LUMENS	40 LUMENS
15min	45min	2h15min	30h	30h	15min	45min	2h15min	30h	30h
289m (Beam Distance)					289m (Beam Distance)				
21,000cd (Peak Beam Intensity)					21,000cd (Peak Beam Intensity)				
1.5m (Impact Resistant)					1.5m (Impact Resistant)				
IPX8, 2m (Waterproof AND Submersible)					IPX8, 2m (Waterproof AND Submersible)				

#### NOTICE

The above data has been measured in accordance with the international flashlight testing standards ANSI/NEMA FL1 using 1x Nitecore NI18650D (3.6V, 11.2Wh, dedicated for TM03 only) battery under laboratory conditions. The data may vary slightly during real-world use due to battery type, individual usage habits and environmental factors.

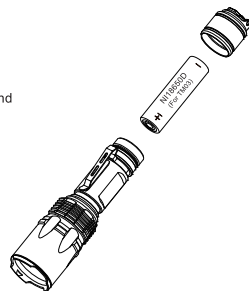
▲The Turbo mode of the TM03/TM03 CRI WILL NOT be operational when powered by other standard 18650 or IMR18650 batteries.

### Operating Instructions

#### Battery Installation

Install a dedicated IMR 18650D battery with the positive end pointing inward.

**Note:** The tail cap indicator LED will blink to indicate battery power upon battery installation. Please refer to Power Tips for details.



#### Tactical Momentary Illumination

Press the tail switch partway to turn on the flashlight, and release to turn it off.

#### On/Off Operation

To turn the TM03/TM03 CRI on, press the tail switch until a "click" is heard.  
 To turn the TM03/TM03 CRI off, press the tail switch again until a "click" is heard.

### Brightness Levels

With the light turned on, press the MODE switch to cycle through power levels from Low-Medium-High-Turbo. The light has memory for the last brightness levels. When it is switched on, the light will enter the brightness level last used.

### Mode Selection

The TM03/TM03 CRI has two special modes: Suppressive Light mode (Mode 1) and STROBE READY™ mode (Mode 2). To switch between these modes, follow the procedure below:

- Step 1:** With the TM03/TM03 CRI turned off, remove and re-insert the battery;  
**Step 2:** Within 60 seconds of completing step 1, tighten the TM03/TM03 CRI's tail switch while pressing and holding the MODE switch;  
**Step 3:** Upon completing step 2, the mode will be indicated as follows: : one flash when Suppressive Light mode (Mode 1) is selected, and two flashes when STROBE READY™ mode (Mode 2) is selected.

**Note:** Mode selection will be unavailable when battery voltage is below 3.7V.

### Suppressing Light Mode (Mode 1)

**Direct access to turbo:** In any setting of the TM03/TM03 CRI, including power-off, press and hold the MODE switch for over 0.2 second to access turbo brightness, and release to resume previous setting.  
**Quick access to strobe:** In any setting of the TM03/TM03 CRI, including power-off, press the MODE switch twice in quick succession to access strobe mode, and press again to resume previous setting.

### STROBE READY™ Mode (Mode 2)

**Direct access to strobe:** In any setting of the TM03/TM03 CRI, press and hold the MODE switch for over 0.2 second to access strobe mode, and release to resume previous setting.  
**Quick access to turbo:** In any setting of the TM03/TM03 CRI, press the MODE switch twice in quick succession to access turbo mode, and press again to resume previous setting.

### Temperature Regulation and Protection

The TM03/TM03 CRI features temperature regulation and protection. It automatically monitors its internal temperature in high and turbo levels. When its body temperature is higher than 50°C, the TM03/TM03 CRI will automatically lower its brightness. When its body temperature drops below 50°C, the TM03/TM03 CRI will gradually increase its brightness to high level.

### Power Tips

Upon battery installation, the red power indicator LED in the tail switch will blink to indicate battery power:

1. Three blinks indicate power levels above 50%;
2. Two blinks indicate power levels below 50%;
3. One blink indicates power levels below 10%.

### Changing Battery

When the battery power is insufficient, the output appears to be dim or the flashlight becomes irresponsive. When the battery is close to depletion, the main LED will flicker until it completely goes off. In either condition, the battery should be replaced.

**Note:** Please put on the battery protective cover before charging the NI18650D battery.

### Precautions

1. Do not install a battery with polarity reversed. Otherwise the product could not work.
2. In Mode 1, after several consecutive turbo boosts, the battery voltage may be insufficient for further turbo boosts. This is considered normal.
3. Installing ordinary 18650 Li-ion batteries or other IMR 18650 batteries will compromise some functions of the TM03/TM03 CRI.
4. It is recommended to charge the proprietary NI18650D battery specifically designed for the TM03/TM03 CRI with Nitecore's UM10, UM20, D2 or D4 battery charger.
5. Ensure the positive polar of the NI18650D battery dedicated to TM03/TM03 CRI is in full contact with charger's pins when charging. Otherwise the charging can fail, or the battery will go short-circuit.
6. The standby time for the TM03/TM03 CRI is approximately one year.
7. Do not direct beam into eyes as doing so can damage vision.
8. Keep small parts in the package away from children to avoid choking.
9. Do not dismantle, remodel or handle the TM03/TM03 CRI in any improper way. Doing so will void your warranty.

### Warranty Details

Our authorized dealers and distributors are responsible for warranty service. Should any problem covered under warranty occurs, customers can contact their dealers or distributors in regards to their warranty claims, as long as the product was purchased from an authorized dealer or distributor. NITECORE's Warranty is provided only for products purchased from an authorized source. This applies to all NITECORE products.

Any DOA / defective product can be exchanged for a replacement through a local distributor/dealer within the 15 days of purchase. After 15 days, all defective / malfunctioning NITECORE® products 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 if the product(s) is/are broken down, reconstructed and/or modified by unauthorized parties, or damaged by batteries leakage.

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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