NITECORE®
The All-Round Flashlight Expert

MT10A   User Manual

Features

• Utilizes a CREE XM-L2 U2 LED
• Maximum output up to 920 lumens
• Integrated metal micro textured reflector for optimal peripheral illumination
• Boasts a peak beam intensity of 7,300 cd and a throw distance up to 170 meters
• Tail switch designed for tactical applications
• Side switches for brightness levels or modes adjustment
• Features intelligent memory effect
• Red LED provides constant/flashing illumination
• Displays battery voltage with red light (accurate to 0.1V)
• High efficiency constant current circuit enables maximum runtime of 102 hours
• Direct access to turbo/red light mode
• Reverse polarity protection prevents damage from incorrectly inserted batteries
• Stainless steel titanium-plated two-way clip
• Toughened ultra-clear mineral glass with anti-reflective coating
• Robust HAIII military grade hard-anodized
• Waterproof in accordance with IPX8 (two-meter submersible)
• Tail stand capability

Dimensions

Length: 4.25"（107.9mm）
Head Diameter: 1"（ 25.4mm ）
Tail Diameter: 0.83"（21.2mm）
Weight: 2.14oz(60.7g)(without battery)

Accessories

Holster, clip, lanyard, spare tailcap cover, spare O-ring

Battery Options

	TYPE	Nominal voltage	Compatible
Primary AA battery	AA	1.5V	Y (Recommended)
Rechargeable AA battery	AA	1.2V	Y (Recommended)
Primary AA Lithium battery	L91	1.5V	Y
Rechargeable Li-ion battery	14500	3.7V	Y
IMR14500 Rechargeable Li-ion battery	IMR14500	3.7V	Y

⚠ **Warning:** Rechargeable IMR Li-ion batteries are not equipped with a protective circuit. Beware of over-discharging.

Brightness & Runtime

FL1 STANDARD	TURBO	HIGH	MID	LOW	LOWER	RED LIGHT	RED BEACON	STROBE	SOS	BEACON
☼	920 LUMENS	500 LUMENS	180 LUMENS	70 LUMENS	1 LUMEN	0.8 LUMEN	0.8 LUMEN	920 LUMENS	920 LUMENS	920 LUMENS
⏱	30min	45min	1h45min	5h	100h	17h	18h	—	—	—
▬	170m	137m	96m	74m	6.3m	2.5m	—	—	—	—
◎	7300cd	4750cd	2300cd	1350cd	10cd	1.5cd	—	—	—	—
✓	1m (Impact Resistant)									
〰	IPX8, 2m (Waterproof and Submersible)									

NOTICE

The stated data has been measured in accordance with the international flashlight testing standards ANSI/NEMA FL1, using one high quality IMR14500 Li-ion battery (3.7V, 650mAh) under laboratory conditions.

FL1 STANDARD	TURBO	HIGH	MID	LOW	LOWER	RED LIGHT	RED BEACON	STROBE	SOS	BEACON
☼	170 LUMENS	95 LUMENS	48 LUMENS	17 LUMENS	1 LUMEN	0.8 LUMEN	0.8 LUMEN	170 LUMENS	170 LUMENS	170 LUMENS
⏱	2h45min	3h30min	7h15min	20h	102h	23h	25h	—	—	—
▬	80m	58m	38m	23m	6.3m	2.5m	—	—	—	—
◎	1580cd	830cd	360cd	138cd	10cd	1.5cd	—	—	—	—
✓	1m (Impact Resistant)									
〰	IPX8, 2m (Waterproof and Submersible)									

NOTICE

The stated data has been measured in accordance with the international flashlight testing standards ANSI/NEMA FL1, using one high quality AA battery (1.2 V, 2500mAh) under laboratory conditions.

Operating Instructions

Battery Installation

Insert one AA battery as illustrated.

WARNING
1. Ensure batteries are inserted with the positive (+) ends pointing towards the head. The MT10A will not be operational with incorrectly inserted batteries.
2. Do not use an IMR14500 battery in low power.

Momentary Illumination

Momentary illumination can be achieved by switching the flashlight off and then holding the tail switch halfway down. Releasing switch turns the light off.

On / Off Operation

To switch ON: Press the button on the tailcap all the way down until a click is heard.

To switch OFF: Press the button on the tailcap all the way down once again until a click is heard.

Standby Mode:

When power is off, press both side switches and the button on the tailcap simultaneously to activate the red power indicator to flash and indicate battery voltage. Three seconds after electrical voltage is reported, the MT10A enters standby mode where the indicator flashes once every three seconds. In standby mode, the MT10A will operate for approximately 30 days with the indicator on.

Brightness Levels

When the MT10A is switched on, press the step-up switch repeatedly to switch from the following brightness levels: red beacon-red light-ultralow-low-medium-high-turbo. The MT10A has memory effect. When it is switched on, the MT10A will enter the brightness level last used.

When the MT10A is switched on, press the step-down switch repeatedly to lower ts brightness until red beacon mode, after which there is no cycling back to other brightness levels.

Direct Access to Red Light Mode:

When the MT10A is switched on, press and hold the step-down switch for over one second to access the red light mode; OR:

When the MT10A is switched off, press and hold the step-down switch and press the button on the tailcap to access the red light mode.

Direct Access to Turbo:

When the MT10A is switched on, press and hold the step-up switch for over one second to access turbo output (920 lumens); OR:

When the MT10A is switched off, press and hold the step-up switch and press the button on the tailcap to access turbo output (920 lumens).
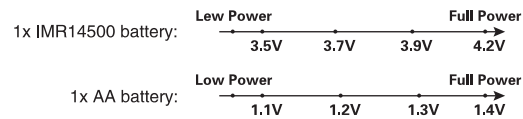
Note: After three minutes' using of turbo mode, the flashlight will lower its output automatically to prevent overheating, and ensure the battery runtime.

Special Modes (Strobe/Location Beacon/SOS)

With the light switched on, press both side switches to enter strobe mode. When in strobe mode, press both side switches again to cycle through Location Beacon, SOS, and Strobe modes. To exit and resume the brightness level last used, simply press the step-up or step-down switch . The MT10A has memory effect in strobe mode. If it is turned off in strobe mode, it will enter strobe mode immediately when switched on again.

Power Tips

With the light switched off, press both side switches and the button on the tailcap to activate the red power indicator to blink and indicate battery voltage (accurate to 0.1V). For example, when battery voltage is at 1.3V, the red power indicator will blink 1 time, followed by a one second pause and another 3 blinks. Different voltages represent the corresponding remaining battery power levels.

1x IMR14500 battery:
Low Power   **Full Power**
3.5V   3.7V   3.9V   4.2V

1x AA battery:
Low Power   **Full Power**
1.1V   1.2V   1.3V   1.4V

Changing / Charging Battery

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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