NITECORE®
The All-Round Flashlight Expert

TM 36 User Manual

Features

- The world's smallest LED rechargeable searchlight with a maximum throw of 1100 meters
- Utilizes LUMINUS SBT–70 LED
- Integrated multi–function OLED display
- Thermal protection circuit prevents overheating
- Includes ultra–high performance NBP52 battery pack to double runtime
- Intelligent charging circuit with voltage detection charges safely and rapidly
- Eight rapidly switchable brightness levels and modes to select from
- Innovative single button two–stage switch provides a user–friendly interface (Patented)
- Integral power indicator in the switch displays remaining battery power (Patented)
- Optimal heat dissipation to improve overall performance
- Toughened ultra–clear mineral glass with anti–reflective coating
- Integrated "Precision Digital Optics Technology" provides extreme reflector performance
- Constructed from aerospace–grade aluminum alloy
- HAIII military grade hard–anodized
- Waterproof in accordance with IPX–8 (submersible to two meters)

Dimensions

Length: 278mm (10.94")
Head diameter: 90 mm (3.54)
Tube diameter: 50mm (1.97")
Weight: 1344g (47.41oz) (with battery pack)

Accessories

Standard charger adapter, quality sling and spare O-ring

Battery Options

NBP52 ultra-high performance Li-ion rechargeable battery pack

Specifications	Parameters
Capacity	65W(2300mAh × 8)
Voltage	3.7V
Charging Current	1A（Trickle charge）/2A（Rapid charge）
Charging Port	3.5mm 12V DC Adpater / 4.5mm 12V DC Adpater

Output & Runtime

FL 1 STANDARD	TURBO	HIGH	MID	LOW	LOWER
	1800 LUMENS	800 LUMENS	400 LUMENS	200 LUMENS	50 LUMENS
	1h45min	5h30min	11h	21h	67h
	1100m (Beam Distance)				
	310000cd (Peak Beam Intensity)				
	1.5m (Impact Resistant)				
	IPX-8, 2m (Waterproof AND Submersible)				

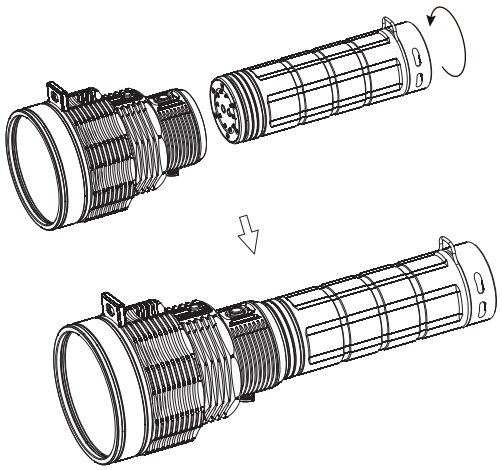
NOTICE
The above data has been measured in accordance with the international flashlight testing standards ANSI/NEMA FL1 using the NItecore NBP52 battery pack under laboratory conditions. The data may vary during real-world use due to battery type, individual usage habits and environmental factors.

NITECORE (SYSMAX) is a member of PLATO, participating in and helping to develop the ANSI FL1 standard of measurement. Product testing data is in accordance with these internationally recognized scientific standards.

Operation Instructions

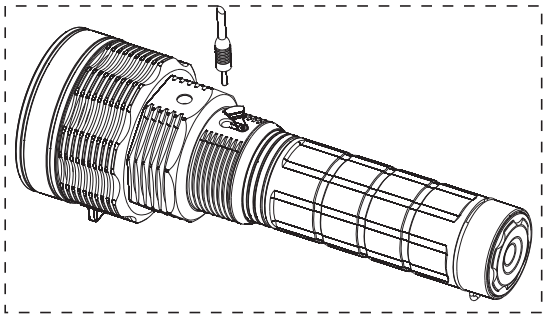
Battery installation

Tighten the NBP52 battery pack as instructed
Note: After tightening the NBP52 battery pack, "NITECORE" will be displayed on the OLED screen for 2.5 seconds followed by battery voltage (accurate to 0.01V) for 4 seconds. After this the TM36 will enter into standby mode.



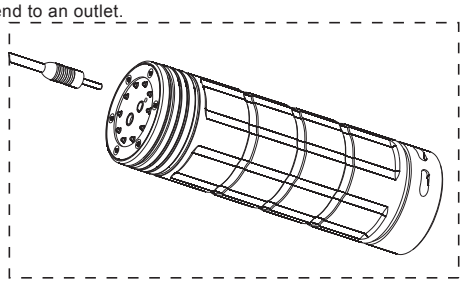
Charging the TM36

Connect the charging cable to the flashlight and the A/C power adapter to the wall outlet as shown in the adjacent image.



1. Under normal charging conditions, the on/off switch's blue indicator light will blink twice every second with the OLED screen display "Charging..." and battery voltage.
2. If a problem is detected while charging the TM36 will stop charging, the blue indicator will blink rapidly and the OLED display will show the word "ERROR". This is usually caused by faulty or incorrectly inserted batteries.
3. When charging is complete, the blue indicator will remain on, and"Chg.Finished" along with battery voltage will be displayed on the OLED screen.

The NBP52 battery pack can also be recharged independently. As shown, plug one end of the adapter to the battery pack charging port (1A, 3.5mm), and plug the other end to an outlet.



The integral blue charging indicator of NBP52 battery pack will blink to indicate charging process:

1. When battery pack is being recharging, the blue indicator will blink rapidly.
2. When battery power level reaches 98%, the blue indicator will blink slowly.
3. When battery pack is fully charged, the blue indicator will illuminate steadily.

NOTE:

1. Charging the flashlight or the battery pack directly will require charging time of approximately 16 hours.
2. Charging time can be reduced by half to 8 hours if the NBP52 battery pack is recharged via the rapid charging port (2A, 4.5mm) using an optional 2A adapter.

Thanks for purchasing NITECORE!

NITECORE®
The All-Round Flashlight Expert

General Operation

NOTE: The TM36 utilizes a 2-stage switch similar to a camera shutter button. The light's numerous functions are selected according to the depth the switch is pressed.
The TM36 has two modes: Daily mode and Turbo mode. With the TM36 turned off, press the switch partway down and release quickly to activate Daily mode. Alternatively, with the TM36 turned off, press the switch all the way down and release quickly to activate turbo mode.

Mode Selection

Daily mode: With the light off, press the switch partway down and release within one second to enter this mode with constant-on illumination; press and hold the switch partway down to activate momentary illumination with previous daily mode brightness.
Turbo mode: press the switch all the way down and release within one second to enter this mode with constant-on illumination; press and hold the switch all the way down for more than one second to activate momentary illumination with max brightness.

OLED Display

1. When the TM36 is turned on, the OLED display will activate automatically and show output lumen, brightness mode, battery voltage, battery status, remaining runtime and temperature. After displaying these readings, the OLED display will be off automatically. To reactivate the OLED, simply press the display switch. To cycle through the readings, press the display button in sequence.
2. When in standby mode, a single press of the OLED display switch will activate the OLED and display battery voltage for 10 seconds.

Brightness Selection In Daily Mode

1. With the TM36 turned on in Daily mode, press the switch partway down to select a brightness level of ultra-low, low, medium or high. The selected brightness level will be memorized when the light is turned off.
2. With the TM36 turned on in Daily mode, press the switch partway down and hold to enter into turbo mode. A second partway press will revert back to the brightness level last used.

Bright Selection In Turbo Mode

With the TM36 turned on in Search/Turbo mode, partway presses of the button will cycle between high and ultra-high mode. Memory function is not available in Search/Turbo mode.
NOTE: In turbo mode, the thermal protection will activate. Please refer to Thermal Protection.

Standby Mode

With the TM36 turned on, press the switch all the way down and release within one second to enter into standby mode. In this mode, the light will consume small amounts of power to maintain the settings in the MCU (micro control unit) while appear to be turned off. When in standby mode the power indicator light will blink once every two seconds to indicate the location of the light.

Special Modes (Strobe / SOS / Location Beacon)

With the light turned on, press the switch all the way down twice in quick succession to access strobe mode. When in strobe mode, press the switch partway down to cycle through SOS, location beacon and strobe modes. To select a desired mode, simply release the switch when it is displayed. To exit the special mode (enter into standby mode) fully press and release the switch.
NOTE: When in any of the special modes, the OLED display will remain on to display the specific mode being used.

Demonstration mode

When entering standby mode, press the switch with the display button being held simultaneously to enter Demonstration mode. In this mode, the OLED display will present TM36's functioning messages in a consecutive manner. To exit Demonstration mode, simply press any button.

Lockout/Unlock

With the light turned on, press and hold the switch for more than one second until the flashlight is switched off and enters into lockout mode. Lockout mode consumes almost no battery power and prevents accidental activation of the flashlight. To exit lockout mode, simply press and hold the switch for more than one second again.
NOTE:
1. In lockout mode, the OLED display will show "LOCK OUT" as a reminder when the switch or the display button is pressed.
2. When TM36 is kept in a backpack or left unused for extended periods, Nitecore recommends users loosen the bezel to cut off power, thus saving battery power and preventing accidental activation of the flashlight.

Power Tips

1. With the light switched on, the power indicator will blink once every two seconds when power levels drop to 50%.
2. With the light switched on, the power indicator will blink rapidly when power levels are low.

NOTE: When the light is being used in ultra-low mode, the blue power indicator will be off to help conserve power.

Thermal protection

Extended operation in Turbo mode will cause the tube temperature of TM36 to continually rise, making it too scalding to hold. Thus, Nitecore does not recommend using the TM36 in Turbo mode for extended periods. Equipped with an integrated thermal protection circuit, the TM36 will automatically reduce its output to prevent overheating once tube temperature has reached 60 degrees.
Precaution: When tube temperature is high, do not attempt to cool it by submerging it in liquid. This faulty operation may cause irreparable damage to the TM36 due to air pressure difference inside and outside of the tube.

Charging Battery Pack

Battery pack should be replaced or recharged when any of the following occurs: The power indicator blinks rapidly, 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. DOA / defective products 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 will 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 your national NITECORE® distributor or send an email to service@nitecore.com.

SYSMAX Ind.
SYSMAX Industry Co., Ltd.
TEL: +86-20-83862000
FAX: +86-20-83882723
E-mail: info@nitecore.com
Web: www.nitecore.com
Address: Rm1401 Glorious Tower, 850 East Dongfeng Road, Guangzhou, China 510600

Please follow our facebook for more info: NITECORE Flashlights

CE

Thanks for purchasing NITECORE!