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Nitecore TUP2 1200 Lumen Rechargeable Multi-Color Temperature Keychain Flashlight User Manual

Model: TUP2

Brand: Nitecore

1. INTRODUCTION

The Nitecore TUP2 is a compact and powerful rechargeable keychain flashlight designed for everyday carry. It features a maximum output of 1200 lumens, multiple color temperature options (warm, neutral, cool white), an OLED real-time display, and USB-C fast charging. This manual provides detailed instructions for the proper use, maintenance, and care of your TUP2 flashlight.

2. PACKAGE CONTENTS

- Nitecore TUP2 Flashlight
- USB-C Charging Cable
- Key Clasp



Image: The Nitecore TUP2 flashlight, along with its included USB-C charging cable and a Nitecore sticker.

3. KEY FEATURES

- Powerful 1200 Lumens Output: Delivers an ultra-bright beam reaching up to 136 yards.
- Multi-Color Temperature LEDs: Easily switch between warm (3000K), neutral white (4500K), and cool white (6500K) lighting.
- OLED Display & Smart Interface: Real-time screen shows brightness, color temperature, remaining runtime, and battery status.
- USB-C Fast Charging: Built-in rechargeable battery charges fully in under 1.5 hours.
- Compact & Durable Design: Measures only 2.76" and weighs 2.05 oz; IP54 water-resistant and impact-resistant up to 2 meters.



Image: The Nitecore TUP2, emphasizing its Multiple Color Temperatures (MCT) and 1200 lumen output.

The section highlights the 'MCT™' (Multiple Color Temperatures) lighting system. It features a large image of the TUP2 with four LEDs. Below it, the text 'Four LEDs All with Three Color Temperatures' is displayed. Three smaller images show the light in different scenarios: a person in a burning building (3000K Warm Light, Excellent Penetrating Ability), a person walking a dog at night (4500K Neutral White Light, Everyday Practicality), and a person walking at night (6500K Cool White Light, Striking & Refreshing). Each scenario includes descriptive text at the bottom. At the bottom of the section, three lines of text provide usage context: 'Meeting the needs of walking in rainy or foggy days, escaping from fire and so on', 'Suitable for various daily activities like walking a dog, reading and emergency lighting', and 'Ideal for nighttime walking and more'.

Image: A visual representation of the TUP2's four LEDs, capable of producing three distinct color temperatures: 3000K Warm Light, 4500K Neutral White, and 6500K Cool White.

OLED Real-time Display



Image: The OLED display of the Nitecore TUP2, illustrating its ability to show real-time information such as current color temperature, unlock prompts, battery level, current brightness level, remaining runtime, and lockout mode status.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off

- **To Turn On:** Short press the Power Button (⌃).
- **To Turn Off:** Short press the Power Button (⌃) while the light is on.

4.2 Brightness Levels

When the light is on, short press the Mode Button (⌄) to cycle through brightness levels: ULTRALOW - LOW - MID - HIGH.

4.3 Direct Access Modes

- **ULTRALOW:** When the light is off, long press the Power Button (⌃) to directly access ULTRALOW mode.
- **TURBO:** When the light is on, long press the Mode Button (⌄) to directly access TURBO mode.

Direct Access to TURBO / ULTRALOW



* The product is designed with a memory function. When reactivated TURBO or ULTRALOW, it will automatically access the previous memorized color temperature.

Image: The Nitecore TUP2 demonstrating direct access to its TURBO mode (1200 lumens) for long-distance lighting and ULTRALOW mode (1 lumen) for close-range illumination.

4.4 Color Temperature Switching

When the light is on, press and hold both the Mode Button (green) and Power Button (red) simultaneously to cycle through the three color temperatures: Warm (3000K), Neutral White (4500K), and Cool White (6500K).

4.5 Lockout Modes

The TUP2 features two lockout modes to prevent accidental activation.

- **Semi Lockout Mode:** When the light is off, press and hold the Power Button (red) until "SEMI LOCK" appears on the OLED display. In this mode, only direct access to TURBO is available.
- **Full Lockout Mode:** When the light is off, press and hold both the Mode Button (green) and Power Button (red) simultaneously until "FULL LOCK" appears on the OLED display. All buttons are locked.
- **To Unlock:** In either lockout mode, press and hold both the Mode Button (green) and Power Button (red) simultaneously until the display shows the current battery level.

Dual-button Interface

Signature button design for seamless operation.

The level preset function, brightness level and color temperature memory function, allow to personalize your own lighting.

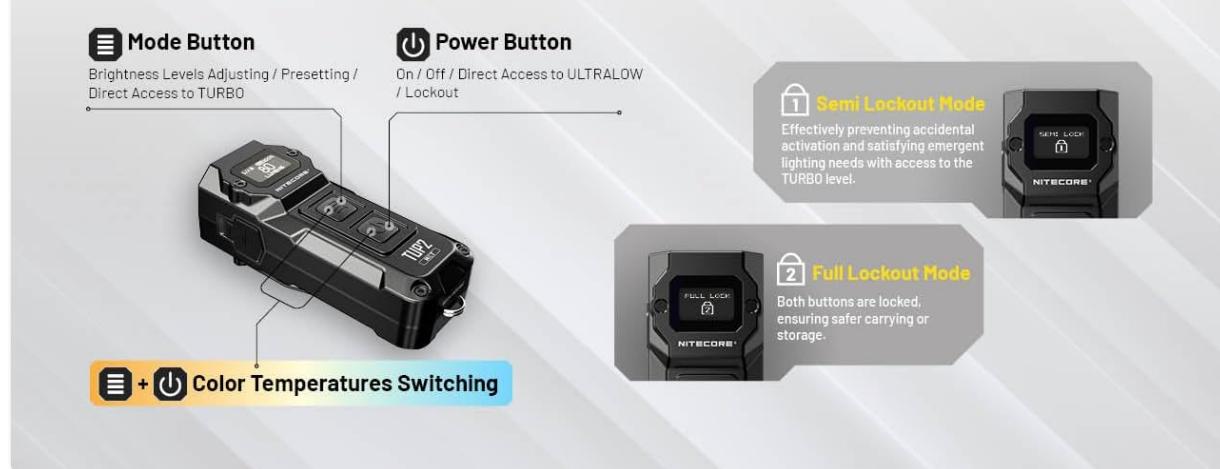


Image: The Nitecore TUP2's dual-button interface, detailing the Mode and Power buttons, and explaining the Semi Lockout and Full Lockout modes for secure carrying or storage.

4.6 Official Product Videos

Your browser does not support the video tag.

Video: A detailed review of the Nitecore TUP2, showcasing its features, operation, and performance. This video is provided by Lumen Tactical, a seller of the product.

5. CHARGING

The Nitecore TUP2 features a built-in rechargeable battery with USB-C fast charging capability.

- **Charging Port:** The USB-C charging port is located on the side of the flashlight, protected by a rubber cover.
- **Charging Process:** Connect the provided USB-C cable to the flashlight and a power source. The OLED display will show the charging status and battery level.

- **Charging Time:** A full charge takes approximately 1.5 hours.
- **Charging Indicator:** The OLED display provides real-time battery status during charging.



Image: The Nitecore TUP2 being charged via its USB-C port, with an emphasis on the protective cover for water, dust, and impact resistance.

6. SPECIFICATIONS

The following table outlines the technical data for the Nitecore TUP2 flashlight, measured according to ANSI/PLATO FL 1-2019 standards using a built-in 1,300mAh Li-ion battery in a 26°C (79°F) ambient environment.

FL1 Standard	TURBO	HIGH	MID	LOW	ULTRALOW
Brightness	1200 Lumens	300 Lumens	80 Lumens	15 Lumens	1 Lumen
Runtime	-	2h	7h 15min	30h	190h
Beam Distance	125m	64m	33m	15m	4m
Peak Beam Intensity	3,900cd	1,049cd	274cd	56cd	5cd
Impact Resistance	2m				
Water Resistance	IP54				

Note: The stated data is measured using the built-in Li-ion battery (1,300mAh) in accordance with international flashlight testing standards. Data may vary in real-world use due to different environmental conditions.

TUP2 Technical Data

FL1 STANDARD	Neutral White Light / Cool White Light / Warm Light				
	TURBO	HIGH	MID	LOW	ULTRALOW
	*1200 Lumens	300 Lumens	80 Lumens	15 Lumens	1 Lumen
	-	2h	7h 15min	30h	190h
	125m	64m	33m	15m	4m
	3,900cd	1,049cd	274cd	56cd	5cd
	2m				
	IP54				

Note: The stated data is measured by using the built-in Li-ion battery (1,300mAh), in accordance with the international flashlight testing standards ANSI/PLATO FL 1-2019, at an ambient temperature of 26°C (79°F) from the NITECORE Lab. The data may vary in real world use due to different environmental conditions.

* The data is tested without the temperature regulation.

Image: A table displaying the technical specifications of the Nitecore TUP2, including lumen output, runtime, beam distance, and impact resistance across different lighting modes (Turbo, High, Mid, Low, Ultralow).

6.1 Additional Specifications

- **Material:** Aluminum
- **Light Source Type:** LED
- **Power Source:** Battery Powered (1 Lithium Ion battery included)
- **Product Dimensions:** 1.06"D x 1.18"W x 2.76"H
- **Item Weight:** 2.08 ounces

Your browser does not support the video tag.

Video: A demonstration of the Nitecore TUP2's brightness and beam throw in various outdoor settings, showcasing its performance across different light levels and color temperatures. This video is provided by Gear Review Depot, a public reviewer.

7. MAINTENANCE

To ensure the longevity and optimal performance of your Nitecore TUP2 flashlight, follow these maintenance guidelines:

- **Cleaning:** Wipe the flashlight body with a clean, soft cloth. Avoid using harsh chemicals or abrasive materials.
- **Charging Port:** Keep the USB-C charging port clean and free of debris. Ensure the rubber cover is properly sealed when not charging to maintain water resistance.
- **Storage:** Store the flashlight in a cool, dry place away from direct sunlight and extreme temperatures. Recharge the battery periodically if not used for extended periods to prevent deep discharge.

8. TROUBLESHOOTING

If you encounter any issues with your Nitecore TUP2, please refer to the following common troubleshooting steps:

- **Flashlight Not Turning On:** Check if the flashlight is in lockout mode. Refer to section 4.5 for unlocking instructions. Ensure the battery is charged.
- **Not Charging:** Verify that the USB-C cable is securely connected to both the flashlight and the power source. Try a different USB-C cable or power adapter.
- **Reduced Light Output:** This may indicate a low battery. Recharge the flashlight. If the issue persists after a full charge, contact customer support.
- **OLED Display Not Working:** Ensure the flashlight is charged. If the display remains unresponsive, contact customer support.

9. WARRANTY AND SUPPORT

The Nitecore TUP2 comes with a Limited Warranty. For specific warranty terms and conditions, please refer to the warranty card included in your package.

For further assistance, technical support, or to explore other Nitecore products, please visit the official Nitecore store:

[Visit the Nitecore Store](#)