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NEXTORCH TA21

NEXTORCH TA21 Tactical Flashlight User Manual

Model: TA21 | Brand: NEXTORCH

1. Introduction

The NEXTORCH TA21 is a high-performance tactical flashlight designed for versatility and durability. It features a dual white and red light source, multiple operating modes, and a compact design suitable for various applications. This manual provides detailed instructions for its proper use and maintenance.



Image 1: NEXTORCH TA21 Tactical Flashlight with FR-1 Tactical Ring.

2. Setup

2.1. Included Items

- TA21 Tactical Flashlight
- FR-1 Tactical Ring
- Multi-language Use Manual
- USB-C Charging Cable
- Hand Strap

2.2. Battery Installation and Charging

The TA21 is equipped with a rechargeable 16340 battery (800mAh) with a USB-C charging port. It is also compatible with non-rechargeable CR123A batteries.

1. Unscrew the tail cap counter-clockwise to access the battery compartment.
2. Insert the provided 16340 battery with the positive (+) end facing the flashlight head.
3. Screw the tail cap back on clockwise until secure.
4. To charge, insert the USB-C charging cable into the battery's port. The indicator light will turn red during charging and blue when fully charged. Full charge takes approximately 2.5 hours.



Image 2: Illustration of the dual fuel compatibility and USB-C charging process.

2.3. FR-1 Tactical Ring Installation

The FR-1 Tactical Ring enhances grip and provides additional carrying options.

1. Align the tactical ring with the tail cap of the flashlight.
2. Screw the tail cap onto the flashlight body, ensuring the tactical ring is securely positioned between the tail cap and the flashlight body.



Image 3: The FR-1 Tactical Ring attached to the NEXTORCH TA21 flashlight.

3. Operating Instructions

The TA21 features a patented multi-mode design, allowing you to switch between four modes by rotating the barrel head.

Your browser does not support the video tag.

Video 1: Official instructions for use of the NEXTORCH TA21 Tactical Flashlight, demonstrating mode switching and operation.

3.1. Mode Selection

Rotate the barrel head to select one of the four primary modes:

- **TAC Mode:** Designed for tactical applications. Half-press for momentary-on (1300 lumens), full-press for one-step variable frequency strobe.
- **DUTY Mode:** General purpose mode. Half-press for momentary-on, full-press for constant on. Half-press again to cycle through low, medium, and high brightness levels.
- **LOCK Mode:** Prevents accidental activation. The flashlight will not turn on in this position.
- **RED Light Mode:** Provides red light illumination. Half-press for momentary-on, full-press for constant on. Half-press again to cycle through low, medium, and high brightness levels.

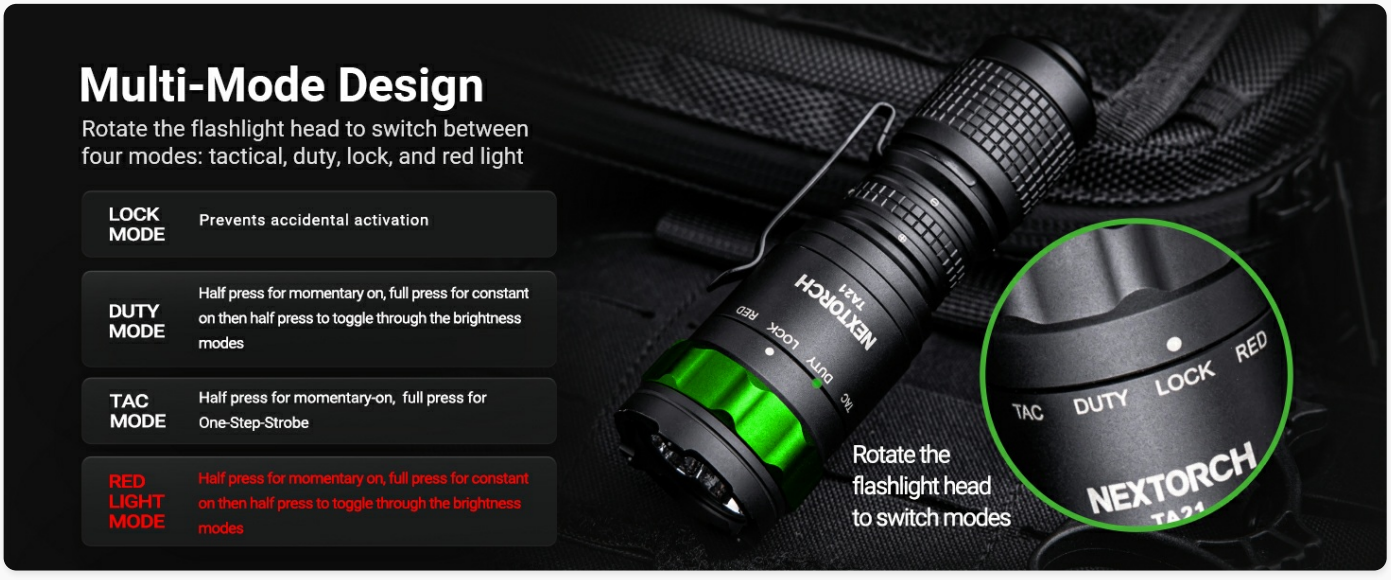


Image 4: Visual guide to rotating the flashlight head for mode selection.

3.2. White Light Operation

The white light source provides up to 1300 lumens, suitable for tactical, duty, and everyday carry situations.

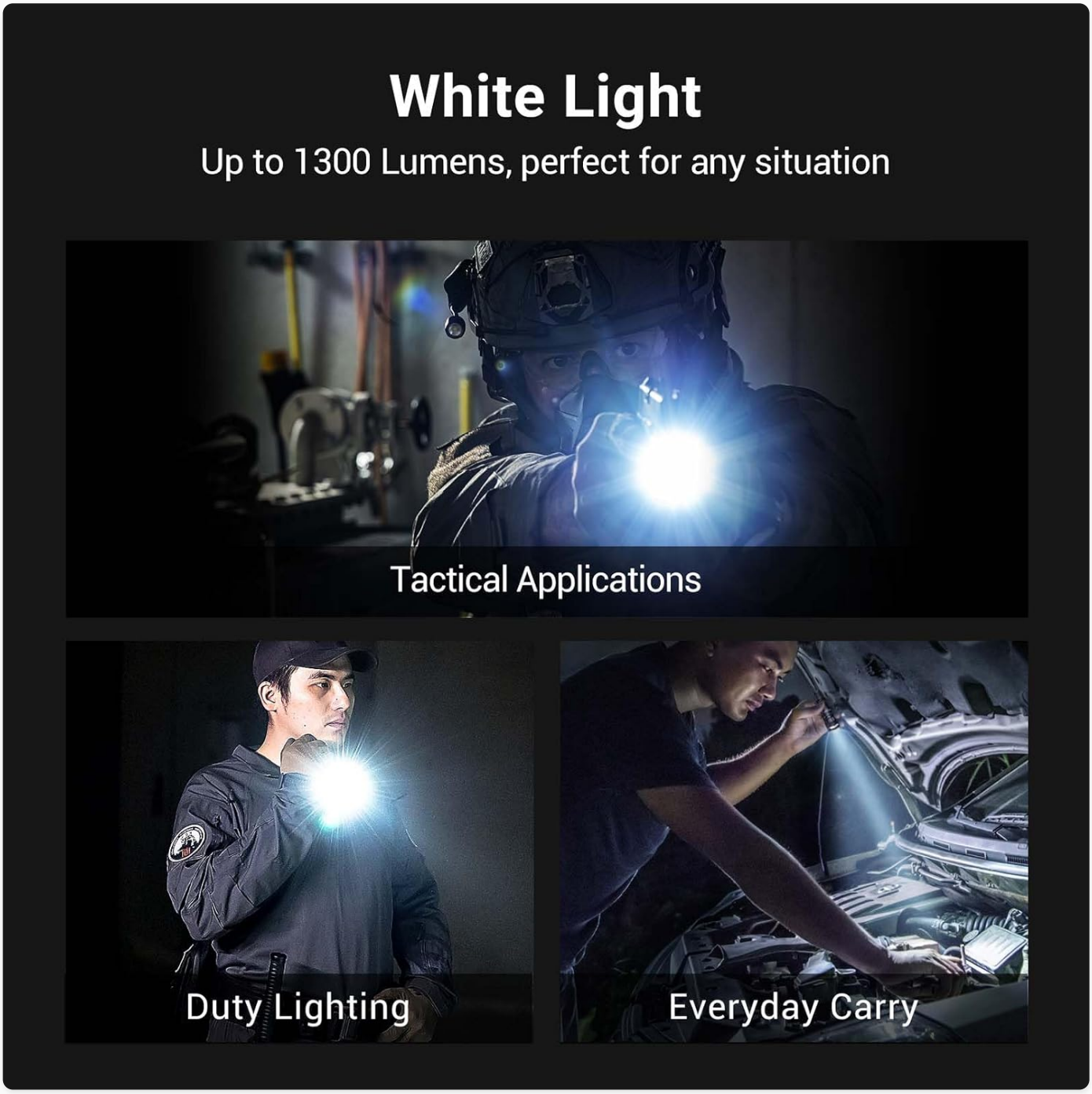


Image 5: Examples of white light use in various scenarios.

3.3. Red Light Operation

The red light source (up to 150 lumens) is ideal for preserving night vision, covert operations, signal transmission, and field exploration.



Image 6: Examples of red light use in various scenarios.

3.4. Ceramic Glass Breaker

The flashlight head features an ultra-high hardness ceramic bead, second only to diamond, designed for emergency window breaking in rescue or self-defense situations.



Image 7: Demonstration of the nano-ceramic strike bezel breaking glass.

4. Maintenance

4.1. General Care

- Keep the flashlight clean and dry. Wipe with a soft cloth.
- Avoid dropping the flashlight from excessive heights, though it is rated for 2-meter impact resistance.
- Ensure the tail cap is tightly screwed to maintain IPX8 (2 meters) waterproof rating.



Image 8: The TA21 flashlight demonstrating its waterproof and impact-resistant features.

4.2. Battery Care

- Recharge the 16340 battery regularly to maintain optimal performance.
- If using CR123A batteries, replace them when depleted. Do not attempt to recharge non-rechargeable batteries.
- Store the flashlight with a partially charged battery if not in use for extended periods.

5. Troubleshooting

5.1. Flashlight Not Turning On

- Check if the flashlight is in LOCK mode. Rotate the barrel head to DUTY or TAC mode.
- Ensure the battery is correctly inserted and fully charged.
- Verify the tail cap is screwed on tightly.

5.2. Inconsistent Mode Switching or Brightness

- Ensure the barrel head is rotated firmly and clicks into place for each mode.
- Practice the half-press and full-press actions to become familiar with the switch operation for different brightness levels and strobe.

6. Specifications

Feature	Detail
Light Output (White)	1300 Lumens (High)
Light Output (Red)	150 Lumens (High)
Beam Distance	Up to 160 meters
Power Source	1 x 16340 Lithium Ion battery (included) or 1 x CR123A battery
Battery Capacity	800mAh (16340)
Charging Port	USB-C (on battery)
Material	Hard Anodized Aircraft Grade Aluminum Alloy
Dimensions	98 mm (Length) x 32 mm (Head) x 23 mm (Diameter)
Weight	3.42 oz (without battery)
Water Resistance	IPX8 (2 meters submersible)
Impact Resistance	2 meters

TA21

ANSI / PLATO-FL1	Tactical Mode		Duty Mode			Auxiliary Light（choose one）					
						Red Mode			IR Mode （940 nm）		
	Momentary on	Tactical Strobe	Low	Medium	High	Low	Medium	High	Low	Medium	High
Light Output	1300 lm	1300 lm	30 lm	230 lm	1300 lm	3 lm	30 lm	150 lm	45 mW	350 mW	900 mW
Run Time	—	—	20 h	2 h 15 min	1 h	50 h	5 h 30 min	3 h 30 min	20 h	3 h	1 h 45 min
Beam Distance	—	—	24 m	68 m	160 m	—	—	—	—	—	—
Beam Intensity	—	—	144 cd	1156 cd	6400 cd	—	—	—	—	—	—
Impact Resistance	2 m										
Submersible	IPX8, 2 m										
Weight and Dimensions	Weight: 97 g / 3.42 oz (Without Battery)										
	Size: 98 mm (Length) × 32 mm (Head) × 23 mm (Diameter)										
Material	Light Source: White + Red or White + IR LEDs										
	Aluminum alloy										
Battery	One 16340 or CR123A										

Above tested specifications are strictly based on the standard of ANSI / PLATO-FL1.We tested TA21 with one 16340 (800 mAh) battery in 23°C ± 3°C. The specifications might vary with different battery or conditions.

Image 9: Detailed specifications table for the NEXTORCH TA21.

7. Warranty and Support

NEXTORCH offers a five-year warranty on all flashlights. For any questions or support regarding your TA21 tactical flashlight, please contact our professional team.

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Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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