NEXTORCH E52C

NEXTORCH E52C Rechargeable Flashlight User Manual

Model: E52C

1. Product Overview

The NEXTORCH E52C is a high-performance rechargeable tactical flashlight, offering up to 3000 lumens of output with a beam distance of up to 210 meters. Its compact and rugged design makes it suitable for a wide range of activities, including outdoor hiking, daily maintenance, camping, and emergency defense.

Figure 1: The NEXTORCH E52C Rechargeable Flashlight, showcasing its sleek black aluminum alloy body and textured grip.

Key Features:

- **High Output:** Up to 3000 lumens with a 210-meter beam distance.
- **Multi-functional Design:** Patented U-shape tail switch for easy mode switching.
- **Durable Construction:** IPX8 waterproof (2 meters submersible) and 2-meter impact resistant, made from aircraft-grade aluminum alloy with hard anodized surface treatment.
- **Rechargeable:** Type-C direct charging with an LED battery indicator.

- **Portable:** Compact size (6.02 inches long) and lightweight (4.58 oz without battery) with a removable clip.

Figure 2: An overview of the E52C's key features, highlighting its 3000lm high output, 21700 battery, Type-C direct charge, and battery indicator.

2. SETUP

2.1 Unpacking

Carefully remove all components from the packaging. The standard package includes:

- NEXTORCH E52C Flashlight
- 21700 Lithium-Ion Battery (pre-installed or separate)
- Type-C Charging Cable
- Hand Strap
- Removable Clip
- Sealing Ring (x2)
- User Manual

OPTIONAL ACCESSORIES FOR VERSATILE APPLICATION

Match with V51 / V61,quick response & easy-carry
Match with Detachable Clip and Tactical Ring

| V51 Quick-Draw Holster | V61 Quick-Draw Holster | FR-2 Tactical Ring | Detachable Clip |

Figure 3: Contents of the NEXTORCH E52C package, including the flashlight, charging cable, lanyard, and spare sealing rings.

2.2 Battery Installation and Initial Charge

The E52C uses one 21700 Lithium-Ion battery. Ensure the battery is inserted with the positive (+) end facing towards the head of the flashlight.
Before first use, fully charge the flashlight. To charge:

1. Rotate the head of the flashlight to reveal the Type-C charging port.

2. Insert the Type-C cable into the port and connect the other end to a USB power source (e.g., wall adapter, computer USB port).

3. The LED indicator will show a **red light** during charging.

4. Once fully charged, the LED indicator will turn **blue**.

Single Button For 4-Modes Switching

The tail switch is upgraded to metal materials with better feel. One-button operation realizes switching of high-medium-low three lighting modes and variable frequency strobe, with clear logic and simple operation.

INSTRUCTIONS

1 Constant-on:
Heavy press to enter constant-on mode (high light)

2 Modes Switch:
· In the off state, lightly press to preview the modes (high-mid dle -low), heavy press to lock the currently selected mode
· In the on state, press the switch hard continuously within 2s to switch modes

3 Variable frequency strobe:
In the off state, double-click quickly to enter the strobe mode (tap lightly), and heavy press to lock the current mode

Figure 4: Illustration of the Type-C direct charging process for the E52C flashlight, showing the charging port and indicator lights.

3. OPERATING INSTRUCTIONS

The E52C features a patented U-shape metal tail switch for intuitive control of its lighting modes.

3.1 Power On/Off and Constant-On Mode

- From the OFF state, **heavy press** the tail switch to enter the constant-on mode (High light).
- To turn OFF, **heavy press** the tail switch again.

3.2 Mode Switching

The E52C offers four lighting modes: High (3000 lumens), Medium (550 lumens), Low (30 lumens), and Strobe.

- **Preview Modes (OFF state):** Lightly press the tail switch to cycle through High-Medium-Low modes. Release to turn off.
- **Lock Current Mode (OFF state):** Heavy press the tail switch while previewing a mode to lock it as the default constant-on mode.

- **Switch Modes (ON state):** While the flashlight is ON, press the tail switch hard continuously within 2 seconds to cycle through High-Medium-Low modes.

Figure 5: Visual representation of the E52C's multiple lighting modes and their typical applications, such as duty maintenance, outdoor lighting, and self-defense.

Figure 6: Detailed instructions for operating the single tail switch to control constant-on, mode switching, and variable frequency strobe.

3.3 Variable Frequency Strobe

- From the OFF state, **double-click quickly** (tap lightly twice) to enter the strobe mode.
- To lock the strobe mode, **heavy press** the tail switch while in strobe mode.

3.4 Battery Indicator

The LED indicator on the flashlight provides real-time battery status:

- **Blue light:** 75% ~ 100% battery remaining.
- **Blue flashes:** 50% ~ 75% battery remaining.
- **Red light:** 25% ~ 50% battery remaining.
- **Red flashes:** 0% ~ 25% battery remaining (recharge immediately).

Figure 7: Visual guide to the E52C's battery indicator, showing different light colors and patterns corresponding to battery levels.

4. Maintenance

4.1 Cleaning

- Wipe the flashlight body with a clean, soft cloth.
- For the lens, use a lens cleaning cloth and solution to avoid scratches.
- Do not use abrasive cleaners or solvents.

4.2 Battery Care

- Recharge the battery regularly, especially if not used for extended periods, to maintain battery health.
- Avoid fully depleting the battery before recharging.
- Store the flashlight and battery in a cool, dry place.

4.3 Water and Impact Resistance

The E52C is designed with IPX8 waterproof rating (submersible up to 2 meters) and 2-meter impact

resistance. While durable, avoid unnecessary exposure to extreme conditions or impacts to prolong its lifespan.

Figure 8: The E52C flashlight demonstrating its waterproof capabilities, highlighting its IPX8 rating and 2-meter impact resistance.

5. TROUBLESHOOTING

If you encounter issues with your NEXTORCH E52C, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Flashlight does not turn on.	Low battery; improperly installed battery; loose connections.	Charge the battery; ensure battery is inserted correctly; tighten all parts of the flashlight.
Light output is dim or flickers.	Low battery; dirty contacts; damaged LED.	Recharge the battery; clean battery contacts with a cotton swab; contact support if LED is damaged.

Problem	Possible Cause	Solution
Flashlight does not charge.	Faulty cable or adapter; charging port obstruction.	Try a different Type-C cable and USB adapter; ensure charging port is clean and free of debris.
Tail switch is unresponsive.	Debris in switch mechanism; internal issue.	Ensure the tail switch area is clean; if problem persists, contact customer support.

6. SPECIFICATIONS

Feature	Detail
Model	E52C
Light Source	LED
Material	Aluminum Alloy
Max Output	3000 Lumens
Max Beam Distance	210 Meters
Run Time (Low Mode)	65 hours
Battery Type	1 x 21700 Lithium-Ion (included)
Charging Port	Type-C
Water Resistance	IPX8 (2 meters submersible)
Impact Resistance	2 meters
Dimensions	6.02" (L) x 1.18" (Head Dia.) x 1.06" (Body Dia.)
Weight	4.58 oz (without battery)

ANSI / PLATO-FL1	High	Medium	Low	Strobe
Light Output	3000 lm	550 lm	30 lm	3000 lm
Run Time	2 h 30 min	4 h 15 min	65 h	—
Beam Distance	210 m	100 m	25 m	—
Beam Intensity	11025 cd	2500 cd	156 cd	—
Impact Resistance	2 m			
Submersible	IPX8, 2 m			
Weight and Dimensions	Weight: 130 g / 4.58 oz (Without battery)			
	Size: 153 mm (Length) × 30 mm (Head diameter) × 27 mm (Body diameter)			
Material	Light Source: LED			
	Aluminum alloy			
Battery	One 21700			

Figure 9: A comprehensive table detailing the E52C's performance specifications, including light output, run time, beam distance, and durability ratings.

7. WARRANTY AND SUPPORT

7.1 Warranty Information

NEXTORCH offers a **five-year warranty** on all flashlights. This warranty covers manufacturing defects and issues arising from normal use. Please retain your proof of purchase for warranty claims.

7.2 Customer Support

For any questions, technical assistance, or warranty claims, please contact NEXTORCH customer service. Refer to the official NEXTORCH website or the product packaging for the most current contact information.

Related Documents

	NEXTORCH ND30B Flashlight User Manual and Specifications Comprehensive guide to the NEXTORCH ND30B flashlight, detailing its specifications, quick start instructions, operational modes, battery indicator, maintenance tips, and warranty information.
	NEXTORCH K40 LED Flashlight: Features, Specifications, and User Guide Comprehensive guide to the NEXTORCH K40 compact LED flashlight. Learn about its features, specifications (700 lumens, USB-C rechargeable), operation, maintenance, and warranty.
	NEXTORCH T7L LED Flashlight: Long-Range Performance and Features Explore the NEXTORCH T7L, a powerful LED flashlight featuring an impressive 1100-meter beam distance, multiple lighting modes, and a durable aluminum alloy construction. This guide covers its specifications, operation, maintenance, and warranty.
	NEXTORCH TA30 MAX Tactical Flashlight - High Performance LED Torch Explore the NEXTORCH TA30 MAX, a powerful 2100-lumen tactical flashlight featuring a CERR XHP50.2 LED, magnetic selector, one-step strobe, and durable construction. Includes specifications, quick start guide, maintenance, and warranty information.