

NEXTORCH P91

NEXTORCH P91 Tactical Flashlight User Manual

Model: P91 | Brand: NEXTORCH

INTRODUCTION

The NEXTORCH P91 is a high-performance tactical flashlight designed for various applications, including night duty, breakout operations, and tactical training. It delivers an impressive 5000 lumens of output with a beam distance of up to 300 meters, combining powerful illumination with a compact and rugged design. This manual provides detailed instructions for the proper setup, operation, and maintenance of your P91 flashlight to ensure optimal performance and longevity.



Image: The NEXTORCH P91 Tactical Flashlight, showcasing its sleek black aluminum body, side switch, and front bezel.

PACKAGE CONTENTS

Upon opening the package, please verify that all the following items are included:

- P91 Flashlight
- Multi-language Use Manual
- Type-C Cable
- Hand Strap

- Seal Ring (x2)
- Lithium Ion Battery (included inside the flashlight)

PRODUCT FEATURES

The NEXTORCH P91 is engineered with advanced features for superior performance and durability:

High Lumen Output

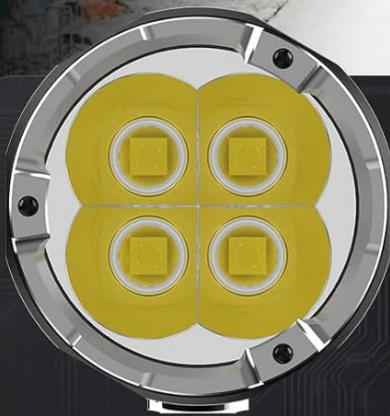
Equipped with 4 high-performance LEDs, the P91 delivers an impressive 5000 lumens of brightness, perfect for law enforcement and search and rescue operations. It achieves a beam distance of up to 300 meters.

5000 Lumen Max Output

Equipped with 4 high-performance LEDs, delivering an impressive 5000 lumen brightness, perfect for law enforcement and search and rescue.

5000 Lumens

300m



4 High-performance LEDs
+
Integrated High-precision Reflector

Image: Illustration showing the flashlight's 5000 lumen output and 300-meter beam distance, highlighting the 4 high-performance LEDs and integrated high-precision reflector.

Independent Dual Switches

The flashlight features both a tail-press switch and a side-press switch, which can be operated independently. This design

allows for easy and efficient operation, whether holding the flashlight in a forehand or backhand grip. The side switch controls four lighting modes (Low, Medium, High, Turbo), while the tail switch provides momentary-on and one-step strobe functions for tactical operations.

Independent Dual Switches



Forehand Grip

Backhand Grip

Side Switch

Four Lighting Modes:
Low-Medium-High-Turbo



Tail Tactical Switch

Half-press for momentary-on, full-press for One-Step-Strobe, and respond instantly to tactical operations



Image: Depiction of the flashlight's dual switch system, showing how the side switch and tail tactical switch are used for different lighting modes and operations.

USB-C Direct Charging

The P91 features a hidden Type-C charging port for convenient and quick power renewal. This port is designed with waterproof and dustproof protection, ensuring durability in various environments. A full charge typically takes approximately 3.5 hours.

USB-C Direct Charging

Hidden USB-C charging port with waterproof and dustproof protection



Rotate to open the charging port
Fully charges in approximately 3.5 hours

Image: Close-up view of the flashlight's hidden USB-C charging port, illustrating how to rotate the bezel to access it for charging.

LED Battery Indicator

A built-in LED battery level indicator lights up for 2 seconds when the flashlight is turned on or off, providing a clear indication of the remaining power. This feature helps users monitor battery status effectively.

LED Battery Indicator

Battery level indicator lights up for 2 seconds when turning the flashlight on/off, showing remaining power

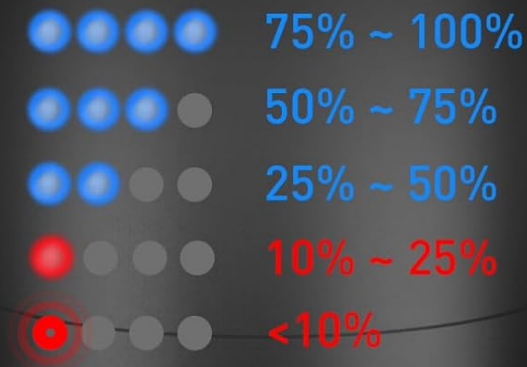


Image: Diagram showing the LED battery indicator lights, with different colors and numbers of illuminated dots representing battery percentages (75%-100%, 50%-75%, 25%-50%, 10%-25%, <10%).

Nano-Ceramic Strike Bezel

The P91 is equipped with a nano-ceramic strike bezel, which is highly durable and effective for breaking windows in rescue or self-defense situations.

Nano-Ceramic Strike Bezel

Ranked only after diamond in hardness, nano-ceramic strike bezel can break windows efficiently for rescue and self-defense



Image: Close-up of the flashlight's head with the nano-ceramic strike bezel, shown breaking a glass surface.

Intelligent Temperature Control

A built-in temperature control system automatically adjusts brightness based on usage and surface temperature, ensuring the flashlight stays below 50°C for long-lasting, safe, and comfortable operation without overheating.

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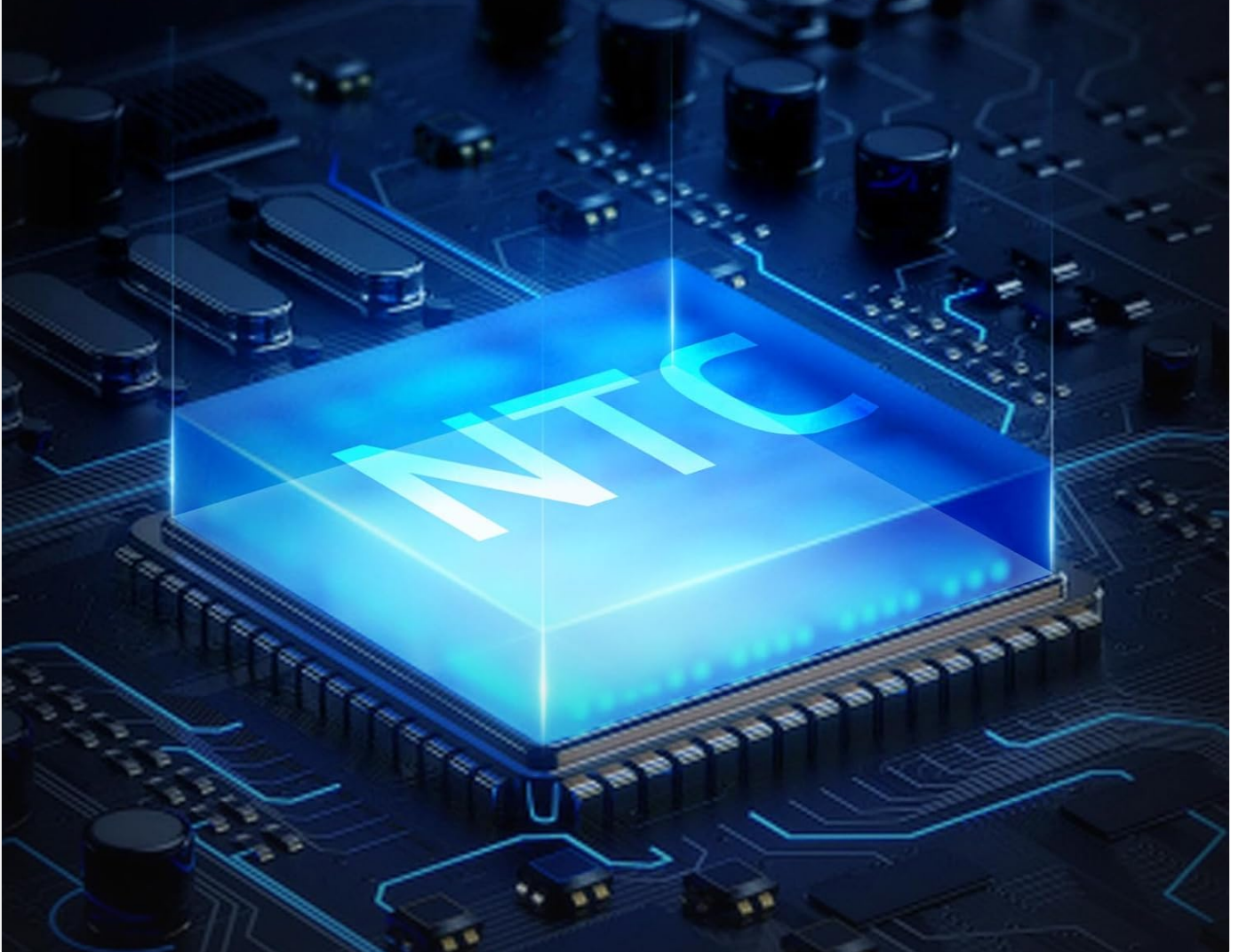


Image: Graphic representation of the intelligent temperature control system (NTC chip) on a circuit board, highlighting its function.

Waterproof & Impact-Resistant

The P91 is designed to withstand harsh environments, featuring an IPX7 waterproof rating (1 meter submersible) and 2-meter impact resistance. Its hard anodized finish and aircraft-grade aluminum alloy material ensure ruggedness and reliability.

Waterproof & Impact-Resistant

IPX7

Waterproof

2m

Impact-resistant



Image: The flashlight shown being splashed with water, illustrating its IPX7 waterproof rating and impact resistance.

SETUP

Battery Installation

1. Unscrew the tail cap of the flashlight by turning it counter-clockwise.
2. Insert the included 21700 Lithium Ion battery with the positive (+) end facing towards the head of the flashlight.
3. Screw the tail cap back on clockwise until it is securely tightened.

Charging the Battery

1. Locate the hidden USB-C charging port near the head of the flashlight. Gently rotate the bezel to reveal the port.
2. Connect the provided Type-C cable to the flashlight's charging port and the other end to a compatible USB power source (e.g., wall adapter, computer USB port).
3. The battery indicator lights will show charging progress. A full charge typically takes approximately 3.5 hours.

4. Once charging is complete, disconnect the cable and rotate the bezel back to cover the USB-C port, ensuring its waterproof and dustproof protection.

OPERATION

Side Switch Functions

- **Turn On/Off:** Press and hold the side switch for approximately 0.5 seconds to turn the flashlight on or off.
- **Mode Cycling:** With the flashlight on, short press the side switch to cycle through the lighting modes: Low (45 lm) → Medium (350 lm) → High (1100 lm) → Turbo (5000 lm).
- **Mode Memory:** The side switch does not have a mode memory function; it will always start at the Low mode when turned on.

Tail Tactical Switch Functions

- **Momentary On (Turbo):** Lightly press and hold the tail switch for momentary activation of the Turbo mode (5000 lm). Release to turn off.
- **Tactical Strobe:** Fully press the tail switch to activate the tactical strobe mode. Press again to turn off.

Battery Level Indicator

When the flashlight is turned on or off, the LED indicator lights on the side of the flashlight will illuminate for 2 seconds to show the remaining battery power:

- Four blue lights: 75% - 100%
- Three blue lights: 50% - 75%
- Two blue lights: 25% - 50%
- One red light: 10% - 25%
- One flashing red light: Less than 10% (recharge immediately)

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your NEXTORCH P91 flashlight:

- **Cleaning:** Regularly clean the flashlight body with a soft, damp cloth. For the lens, use a lens cleaning cloth to avoid scratches.
- **Lubrication:** Apply a thin layer of silicone grease to the O-rings and threads periodically to maintain waterproof integrity and smooth operation. Avoid petroleum-based lubricants.
- **Battery Care:** If the flashlight will not be used for an extended period, remove the battery to prevent potential leakage. Store the battery in a cool, dry place.
- **Charging Port:** Always ensure the USB-C charging port is covered by rotating the bezel when not in use to protect it from water and dust.
- **Avoid Impact:** While the flashlight is impact-resistant, avoid unnecessary drops or harsh impacts to prevent internal damage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Flashlight does not turn on.	Low or depleted battery. Loose tail cap. Battery inserted incorrectly.	Charge the battery. Tighten the tail cap securely. Reinsert battery with positive (+) end towards the head.
Light output is dim or flickers.	Low battery. Dirty contacts. Loose components.	Recharge the battery. Clean battery contacts and flashlight contacts with a clean cloth. Ensure all parts are securely tightened.
Flashlight gets hot quickly.	Prolonged use on Turbo mode. High ambient temperature.	This is normal for high-lumen flashlights. The intelligent temperature control system will reduce brightness to prevent overheating. Use lower modes if prolonged use is required.
USB-C charging not working.	Charging port not fully exposed. Cable or power source issue.	Ensure the bezel is fully rotated to expose the charging port. Try a different USB-C cable or power adapter.

SPECIFICATIONS

P91

ANSI / PLATO-FL1	Momentary On	Tactical Strobe	Low	Medium	High	Turbo
 Light Output	5000 lm	5000 lm	45 lm	350 lm	1100 lm	5000 lm
 Run Time	—	—	60 h	8 h	2 h 45 min	1 h 45 min
 Beam Distance	—	—	28 m	80 m	136 m	300 m
 Beam Intensity	—	—	196 cd	1600 cd	4624 cd	22500 cd
 Impact Resistance	2 m					
 Waterproof	IPX7, 1 m					
Weight and Dimensions	Weight: 165 g / 5.82 oz (Without Battery)					
	Dimensions: 160 mm (Length) × 36 mm (Head) × 28.5 mm (Body)					
Material	Light Source: 4 LEDs					
	Aluminum Alloy					
Power	45W					

Above tested specifications are strictly based on the standard of ANSI / PLATO-FL1. We tested P91 with One 21700 Lithium battery in 23°C ± 3°C. The specifications might be different when using a different battery or testing in a different environment.

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Image: Official specifications table for the NEXTORCH P91, detailing light output, run time, beam distance, beam intensity, impact resistance, and waterproof rating across different modes.

Feature	Detail
Model	P91
Light Source	4 High-performance LEDs
Max Output	5000 Lumens
Max Beam Distance	300 meters
Material	Aircraft-grade Aluminum Alloy
Power Source	1 x 21700 Lithium Ion Battery (included)
Max Runtime	60 hours (Low mode)

Feature	Detail
Water Resistance	IPX7 (1 meter submersible)
Impact Resistance	2 meters
Dimensions	160 mm (L) x 36 mm (Head) x 28.5 mm (Barrel)
Weight	165 g / 5.82 oz (without battery)
Charging Port	Hidden USB-C

WARRANTY AND SUPPORT

NEXTORCH stands behind the quality of its products. The P91 Tactical Flashlight comes with **five-year warranty** from the date of purchase. This warranty covers manufacturing defects and issues arising from normal use. For any questions regarding your P91 flashlight, technical assistance, or warranty claims, please do not hesitate to contact our professional support team. You can find contact information on the official NEXTORCH website or through your point of purchase. Please retain your proof of purchase for warranty service.

Documents - NEXTORCH – P91



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