

[manuals.plus](#) /

› [Nitecore](#) /

› [Nitecore EDC37 Ultimate EDC Flashlight User Manual](#)

Nitecore EDC37

Nitecore EDC37 Ultimate EDC Flashlight User Manual

MODEL: EDC37

Introduction

The Nitecore EDC37 is a high-performance tactical flashlight designed for everyday carry, offering exceptional brightness, advanced features, and robust construction. This manual provides detailed instructions for its proper use, maintenance, and troubleshooting. Please read this manual thoroughly before operating your EDC37 flashlight.



Image: The Nitecore EDC37 flashlight, showcasing its compact design, packaging, and included USB-C charging cable and lanyard.

Setup

Unboxing and Initial Inspection

Carefully unpack your Nitecore EDC37 flashlight and verify all components are present. The standard package includes:

- The Nitecore EDC37 Flashlight
- USB-C Charging Cable
- Lanyard
- User Manual (this document)


Charging the Battery

The EDC37 features a built-in 8,000mAh Li-ion battery. For optimal performance, fully charge the flashlight before first use.

1. Locate the USB-C charging port on the flashlight.
2. Connect the included USB-C charging cable to the flashlight's port.
3. Connect the other end of the cable to a USB power source (e.g., USB adapter, computer USB port).
4. The OLED display will show the charging progress and current battery level. Charging is complete when the display

indicates 100%.

Built-in **8000mAh**
High Capacity Li-ion Battery **↑33%**

1500-Lumen HIGH Level  **7h 30min Runtime**

28.8Wh High Capacity with an Energy Density of 300mWh/g

Breaks the limits of EDC flashlight battery life and ushers in the era of 8000mAh long-lasting power.

190 Hours Max Runtime **365** Days Ultra Long Standby

* The above Improvement data is based on a comparison with the EDC35.

8,000mAh Li-ion Battery = 8 x CR123A Li-ion Batteries
Never worry about battery life

* The data is calculated from NITECORE Lab, based on standard CR123A (1,200mAh 3V) Li-ion batteries available on the market.

Image: Illustration highlighting the built-in 8000mAh high-capacity Li-ion battery and its impressive runtime capabilities.

Operating Instructions

Basic Operation

The EDC37 is equipped with dual-stage buttons for intuitive control. The OLED display provides real-time information on brightness level, lumens, battery level, and estimated runtime.



Image: A hand holding the Nitecore EDC37, demonstrating its ergonomic design and compact size for easy handling.

- **Power On/Off:** Press and hold the main power button (located on the tail) to turn the flashlight on or off.
- **Brightness Adjustment:** With the light on, short press the mode button (located on the tail, above the power button) to cycle through the 4 brightness levels: Ultralow, Low, Mid, High.
- **Instant Access Modes:**
 - **LUMIN SHIELD (8,000 Lumens):** Press and hold the secondary button (tail switch) for instant burst. Release to turn off.
 - **SEARCH (3,000 Lumens):** Double-press the secondary button (tail switch) to activate the search mode. Press again to turn off.
 - **STROBE:** Triple-press the secondary button (tail switch) to activate the strobe mode. Press again to turn off.
- **Rapid Lock Lockout Switch:** Slide the dedicated lockout switch (located on the side) to the locked position to prevent accidental activation during transport or storage. Slide it back to unlock.

Advanced Features

- **Level Preset Function:** The flashlight allows for presetting a desired brightness level in advance for quick access. Refer to the full digital manual for detailed instructions on setting custom levels.
- **Glass Breaking Tips:** The EDC37 is designed with detachable high-hardness silicon nitride ceramic tips, capable of breaking glass quickly in emergency situations. These tips are smooth and scratch-resistant for daily carry and can be removed or replaced as needed.
- **Advanced Temperature Regulation (ATR):** The built-in ATR module automatically adjusts the output of the flashlight based on its internal temperature, ensuring stable performance and preventing overheating during prolonged high-output use.

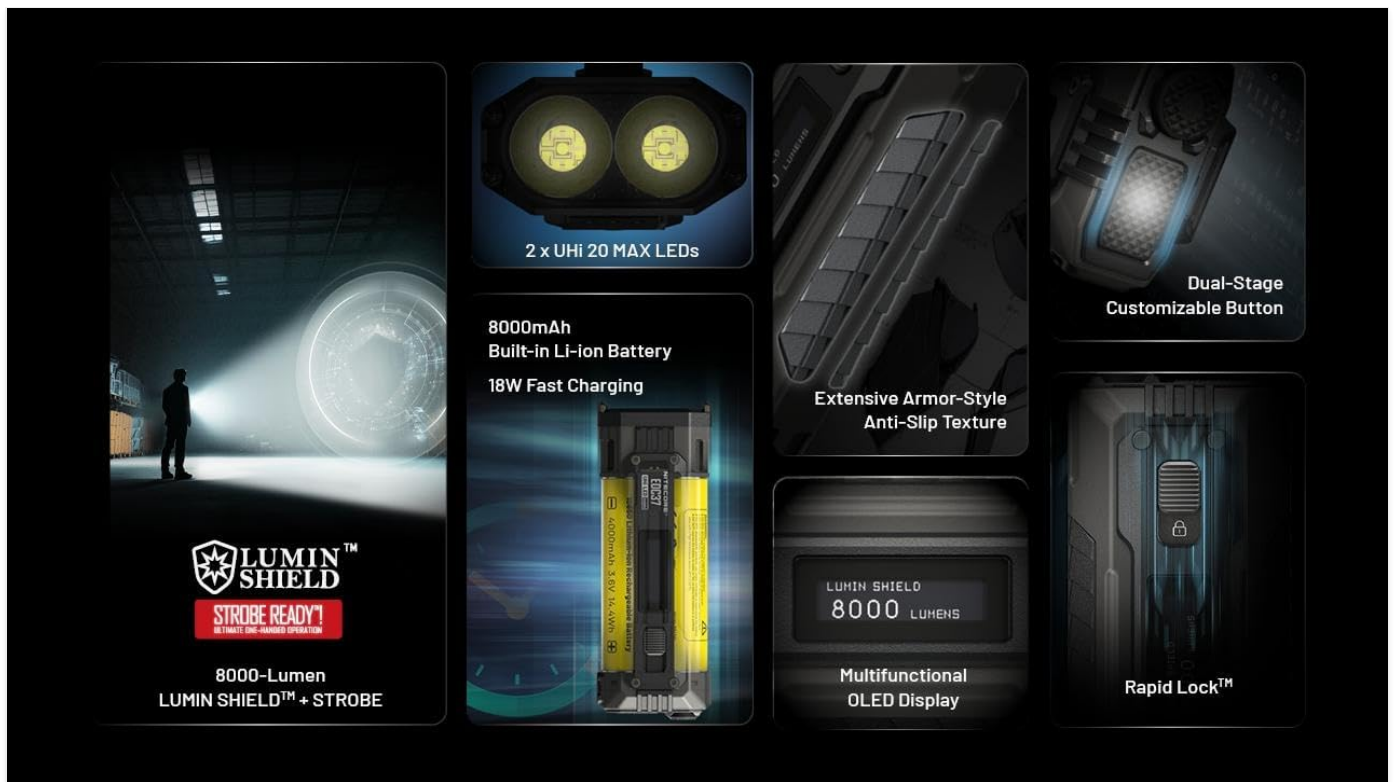


Image: A detailed diagram illustrating key features of the Nitecore EDC37, including its dual UHi 20 MAX LEDs, 8000mAh battery, dual-stage customizable button, multifunctional OLED display, and Rapid Lock switch.

Maintenance

Cleaning

- Clean the flashlight body with a soft, damp cloth. Do not use abrasive cleaners or solvents, as they may damage the finish.
- Keep the USB-C charging port free from dust, dirt, and moisture to ensure proper charging.
- Periodically wipe the lens with a clean, lint-free cloth to maintain optimal light transmission.

Storage

- Store the flashlight in a cool, dry place away from direct sunlight and extreme temperatures.
- For long-term storage, it is recommended to charge the built-in battery to approximately 50% every three months to maintain battery health and prolong its lifespan.
- Engage the Rapid Lock lockout switch during storage to prevent accidental activation.

Troubleshooting

If you encounter issues with your Nitecore EDC37, please refer to the following common troubleshooting steps:

- **Light not turning on:**
 - Ensure the battery is sufficiently charged. Connect the flashlight to a power source to charge.
 - Check if the Rapid Lock lockout switch is engaged. Slide it to the unlocked position.
 - Verify that the main power button is being pressed and held correctly.
- **Dim output or short runtime:**
 - This typically indicates a low battery. Recharge the flashlight fully.
 - Ensure the flashlight is not operating in a very cold environment, which can temporarily reduce battery

performance.

- Confirm that the desired brightness level is selected. Higher lumen outputs consume battery faster.

- **Flashlight becomes warm during use:**

- It is normal for the flashlight to become warm, especially during prolonged use at high output levels (e.g., 8,000 lumens LUMIN SHIELD or 3,000 lumens SEARCH mode).
- The Advanced Temperature Regulation (ATR) module is designed to manage heat and prevent damage by automatically adjusting the output. This is a safety feature and not a malfunction.

Specifications

The Nitecore EDC37 boasts impressive specifications for its compact size:

| Feature | Detail |
|------------------------|---|
| Max Output | 8,000 Lumens |
| Max Beam Distance | 420 Meters |
| Max Beam Intensity | 44,010cd |
| Max Runtime | 190 hours (Ultralow mode) |
| LED | 2 x NiteLab UHi 20 MAX LEDs |
| Battery | Built-in 8,000mAh Li-ion Battery |
| Special Modes | STROBE, LUMIN SHIELD, SEARCH |
| Dimensions (L x W x H) | 108.0mm x 39.3mm x 31.0mm (4.25" x 1.55" x 1.22") |
| Weight | 199g (7.02 oz) |
| Material | High strength stainless steel body with PVD coating, Carbon Fiber Composite Frame |
| Waterproof & Dustproof | IP54 |
| Impact Resistance | 2 meters |

Technical Data



| FL1 STANDARD | LUMIN SHIELD™ (Floodlight) | SEARCH (Spotlight) | HIGH | MID | LOW | ULTRALOW | STROBE |
|--------------|-------------------------------|-----------------------|---------------|------------|------------|-----------|---------------|
| | *8,000 Lumens | *3,000 Lumens | *1,500 Lumens | 400 Lumens | 100 Lumens | 15 Lumens | *8,000 Lumens |
| | — | — | 7h 30min | 8h 30min | 30h | 190h | — |
| | *380m | *420m | *230m | 115m | 80m | 30m | — |
| | *37,550cd | *44,010cd | *13,740cd | 3,310cd | 1,637cd | 230cd | — |
| | 2m (Impact Resistance) | | | | | | |
| | IP54 | | | | | | |

Note: The stated data is measured by using the built-in Li-ion battery (8,000mAh), in accordance with the international flashlight testing standards ANSI/PLATO FL-1-2019, at an ambient temperature of 28°C (78°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 technical data table detailing the various output modes, beam distances, and runtimes for the Nitecore EDC37.

Delicate and Durable Construction Pressure and Impact Resistant

Innovative High-Strength Multi-Directional Locking Design



The left and right stainless steel shells, carbon fiber composite frame, and aluminum alloy heat sink are tightly connected and securely locked, ensuring structural strength and efficient space utilization, while significantly improving pressure, drop, and impact resistance.





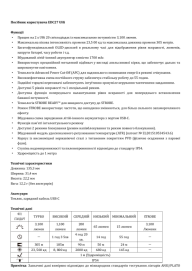
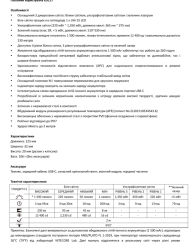


Image: An exploded view diagram illustrating the durable and pressure-resistant construction of the Nitecore EDC37, highlighting its stainless steel shells, carbon fiber composite frame, and aluminum alloy heat sink.

Warranty and Support

Nitecore products are known for their quality and reliability. For detailed warranty information, product registration, and technical support, please visit the official Nitecore website or contact their authorized distributors. You can also visit the [Nitecore Store on Amazon](#) for more product information and customer service options.

Related Documents - EDC37

| | |
|---|---|
|  | <p>NITECORE EDC37 User Manual: High-Performance LED Flashlight</p> <p>Comprehensive user manual for the NITECORE EDC37 flashlight, detailing features, specifications, operation, safety guidelines, and warranty information.</p> |
|  | <p>NITECORE EDC27 UHi User Manual</p> <p>A comprehensive user manual for the NITECORE EDC27 UHi flashlight, detailing its features, specifications, operation modes, safety precautions, charging instructions, and warranty information.</p> |
|  | <p>NITECORE EDC37 User Manual: Features, Specifications, and Operation Guide</p> <p>Comprehensive user manual for the NITECORE EDC37 flashlight, detailing its advanced features, technical specifications, operational instructions, safety guidelines, and warranty information.</p> |
|  | <p>NITECORE EDC33 User Manual: High-Performance LED Flashlight</p> <p>Comprehensive user manual for the NITECORE EDC33 flashlight, detailing its features, specifications, operating instructions, safety warnings, charging, and warranty information. Discover the 4000-lumen output, USB-C charging, and advanced sensor protection.</p> |
|  | <p>Nitecore EDC27 UHi User Manual - Features, Specifications, and Operation</p> <p>Comprehensive user manual for the Nitecore EDC27 UHi tactical flashlight. Learn about its features, technical specifications, charging, operation modes, lockout functions, and safety precautions.</p> |
|  | <p>Nitecore EDC17 User Manual: Features, Specifications, and Operation</p> <p>Comprehensive user manual for the Nitecore EDC17 flashlight, detailing its features, specifications, operation, charging, and maintenance. Includes information on white light, UV light, and green laser modes.</p> |