NICRON N1pro (US-N1)

NICRON N1pro EDC Flashlight Instruction Manual

Model: N1pro (US-N1)

1. Introduction

The NICRON N1pro EDC Flashlight is a compact, powerful, and versatile lighting tool designed for everyday carry, camping, home use, and emergencies. Delivering up to 1000 lumens, this mini-sized flashlight offers exceptional brightness and a long beam distance in a lightweight and durable package.



Image 1.1: The NICRON N1pro EDC Flashlight, showcasing its compact design, integrated keychain, and pocket clip.

2. Key Features

- **Compact and Lightweight:** Weighing only 1.95 oz (including battery) and measuring 3.3 inches, the N1pro is designed for easy portability in your pocket or attached to a keychain.
- **Powerful Illumination:** Features a super bright 1000-lumen LED beam that can extend up to 118 meters, providing ample light for various situations.
- **Multiple Lighting Modes:** Offers six distinct lighting modes: High, Medium, Low, Moonlight, Strobe, and SOS, catering to diverse illumination needs.
- **Dual Power Source:** Comes with a rechargeable battery and is also compatible with standard AA batteries, ensuring continuous power availability.
- **Durable Construction:** Crafted from hard anodizing aircraft-grade aluminum alloy, providing IP68 water resistance and 1-meter impact resistance for robust performance in challenging environments.
- **Magnetic Tail:** Equipped with a strong, removable magnetic tail, allowing for hands-free

operation by attaching the flashlight to metal surfaces.

- **USB-C Charging:** The included rechargeable battery features a convenient USB-C charging port for easy and fast recharging.

Image 2.1: Demonstrating the compact size and lightweight nature of the N1pro flashlight, ideal for everyday carry.

Image 2.2: Illustration of the dual power source capability, supporting both the included rechargeable battery and standard AA batteries.

Image 2.3: The strong magnetic tail allows for convenient hands-free lighting by attaching to metal surfaces.

3. Setup

3.1 Battery Installation

Before first use, please ensure you remove the insulating sheet from the battery compartment. To install or replace the battery:

1. Unscrew the head of the flashlight counter-clockwise.
2. Insert the provided rechargeable battery (or a standard AA battery) with the positive (+) end facing towards the head of the flashlight.
3. Screw the head back on clockwise until secure.

3.2 Charging the Rechargeable Battery

The included rechargeable battery can be charged directly via its built-in USB-C port. A USB-C charging cable is provided.

1. Remove the rechargeable battery from the flashlight.
2. Connect the USB-C cable to the charging port on the battery.
3. Plug the other end of the USB-C cable into a compatible USB power source (e.g., wall adapter, computer USB port).
4. The indicator light on the battery will show **red** while charging and turn **green** when fully charged.

Image 3.1: The rechargeable battery features a convenient USB-C charging port with clear charging indicators.

4. Operating Instructions

The NICRON N1pro flashlight operates using a simple twist mechanism for power and mode selection.

1. **To Turn On:** Tighten the head of the flashlight clockwise until the light illuminates.
2. **To Turn Off:** Loosen the head of the flashlight counter-clockwise until the light turns off.
3. **To Change Modes (Regular Function):** From the OFF position, lightly press and hold down the head, or repeatedly tighten and loosen the head to cycle through the regular modes: Moonlight → Low → Medium → High. The flashlight does not retain the last mode used; it will always start from Moonlight mode when turned on after being fully turned off.
4. **To Access Special Modes (Strobe & SOS):** From any regular mode, quickly tighten the head twice within 1 second. This will activate the Strobe mode. To switch to SOS mode, quickly tighten the head twice again. To return to regular modes, turn the flashlight off and then on again.



Image 4.1: Visual representation of the six lighting modes and the twist-operation method.

5. Maintenance

- **Cleaning:** Use a soft, damp cloth to clean the flashlight body. Do not use abrasive cleaners or solvents.
- **Battery Care:** For optimal performance and longevity, fully charge the rechargeable battery before first use and periodically if not used for extended periods. Store the flashlight with a charged battery.
- **Water Resistance:** The N1pro is IP68 rated, meaning it is protected from total dust ingress and can be submerged in water up to 2 meters for 30 minutes. Ensure all parts are tightly screwed to maintain water resistance. Avoid prolonged submersion.
- **Storage:** Store the flashlight in a cool, dry place away from direct sunlight and extreme temperatures.



Image 5.1: The N1pro's IP68 waterproof rating ensures reliable operation even when submerged in water.

6. Troubleshooting

- **Flashlight does not turn on:**
  - Ensure the insulating sheet has been removed from the battery.
  - Check if the battery is inserted correctly with the positive (+) end facing the head.
  - Verify the battery is charged. If using the rechargeable battery, charge it fully. If using an AA battery, replace it with a fresh one.
  - Ensure the flashlight head is tightened completely.
- **Light output is dim or flickering:**
  - The battery may be low. Recharge the rechargeable battery or replace the AA battery.
  - Ensure the head is fully tightened.

- **Flashlight does not remember the last mode:**
    - This is normal operation for the N1pro. The flashlight is designed to always start in Moonlight mode when turned on from a completely off state. Cycle through modes by repeatedly tightening and loosening the head.

7. Specifications



Image 7.1: Detailed technical parameters for the N1pro flashlight.

NICRON N1pro Technical Specifications

Feature	Detail
Brand	NICRON
Model Number	US-N1 (N1pro)
Light Source Type	LED
Brightness	1000 Lumens (Max)
Beam Distance	118 Meters (Max)
Power Source	Battery Powered (1x Rechargeable 14500 or 1x AA)
Battery Included	1 AA (rechargeable)
Runtime	Up to 24 hours (Low mode)
Material	Aircraft Grade Aluminum Alloy
Water Resistance Level	IP68 (Waterproof)
Impact Resistance	1 Meter
Product Dimensions	3.3"D x 0.7"W x 0.7"H
Item Weight	1.92 ounces (including battery)

8. Warranty and Support

The NICRON N1pro EDC Flashlight comes with a Limited Warranty. For specific details regarding warranty coverage and duration, please refer to the warranty card included in your product packaging or visit the official NICRON website.

For technical support, troubleshooting assistance, or any product-related inquiries, please contact

NICRON customer service through the contact information provided in your product documentation or on the official brand website.

We recommend registering your product online to receive updates and support.

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