



Lighting the Path of Innovation



Flashlight User Guide

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NovaTac™ EDC-85 and NovaTac™ EDC-120

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Congratulations on your purchase of the NovaTac EDC Flashlight! The NovaTac EDC is your best-of-class everyday carry pocket flashlight that provides regulated light output at your desired brightness. The single button controls all operations of the light. Using the lowest brightness level compatible with the task being performed will maximize battery life and allow intensely bright light when needed.

Operation

A Click is less than 1/3 second (like a mouse click) and a Press is greater than 1/3 second.

NovaTac EDC 85 and NovaTac EDC 120:

1. Click- Turn light on to 10 Lumens.

From on:

2. Two clicks- switches brightness level to 42 Lumens, two more clicks switches back to 10 Lumens.
3. Three clicks- Emergency Strobe Signal.
4. Press- Momentary 85 or 120 Lumens (from any other brightness level).
5. Click-press- 85 or 120 Lumens.
6. Click- Turns the light off.

From off:

7. Click Press- Turns light on to 85 or 120 Lumens.

NovaTac EDC 85T and NovaTac EDC 120T:

1. Click- Turn light on to Maximum.

From on:

2. Two clicks- switches brightness level to 10 Lumens, two more clicks switches back to maximum.
3. Three clicks- .3 Lumens.
4. Press- Momentary Disorienting Strobe (from any other brightness level).
5. Click-press- Disorienting Strobe.
6. Click- Turns the light off.

From off:

7. Press- Momentary Maximum.
8. Click Press- Momentary Disorienting Strobe.

Low Battery Indication

As the battery becomes depleted, the light will step down to 50% of its previous brightness. This process repeats as the battery weakens. The battery should be replaced before the light reaches the lowest brightness level.

Installing a New Battery

Unscrew the battery compartment at the head or the button cap. Insert a new battery into the battery compartment so the positive terminal is toward the front of the light. Be sure both the head and button cap are screwed on snugly. If the battery is inserted backwards the light will not turn on.

A rechargeable battery must be fully charged before installation.

When changing to or from a rechargeable battery a Battery-Detect-Reset is required.

Battery-Detect-Reset

1. Turn the light on.
2. Unscrew the battery case until the light turns off.
3. Screw the battery case back together; there will be one second of dim light.
4. During the one second of dim light, press and hold the button.
5. You will see five seconds of bright light, followed by dim light.
6. Release the button when the light goes dim.
7. The Battery-Detect-Reset is complete.

If the button is released during the brighter light period, the Error Flash Sequence of six rapid flashes will be displayed. The light will not detect the new battery configuration and damage may occur to the rechargeable battery.

Cleaning and Maintenance

Periodically clean the threads and O-rings with a clean, lint-free cloth, and apply a thin coat of non-conductive silicon or petroleum grease to the threads and O-rings. If the O-rings become worn or damaged, they should be replaced.

The internal electrical contacts can be cleaned using a cotton swab moistened with isopropyl alcohol. Be sure to remove any cotton fibers that may be left behind.

The exterior can be cleaned with a mild soap and water. Paper towels or tissues should be avoided when cleaning the polycarbonate lens as scratching may result.

Warnings

The LED on the higher brightness levels can be intense enough to cause injury to the eye. Looking directly into it should be avoided at all times.

The disorienting strobe can induce seizures in certain individuals. Please use with caution.

Use only Lithium CR123A (3V) non-rechargeable or Lithium-ion (4.2V) rechargeable batteries. Use of rechargeable batteries with internal over-discharge circuits can cause sudden darkness if the circuit activates. The flashlight includes over-discharge protection so non-protected batteries may safely be used.

Factory Default Settings

NovaTac EDC 85 and NovaTac EDC 120

- Primary setting: 10 lumens (14 hours runtime*)
- Secondary setting: 42 lumens (2.5 hours runtime*)
- Maximum setting: 85 or 120 Lumens (30 minutes runtime*)
- Emergency strobe setting

NovaTac EDC 85T and NovaTac EDC 120T

- Primary setting: 85 or 120 Lumens (30 minutes runtime*)
- Secondary setting: 10 lumens (14 hours runtime*)
- Minimum setting: 0.3 lumens (240 hours runtime*)
- Disorienting Strobe setting

*Runtimes are approximate.

Specifications

- Input voltage: 1.8V to 4.5V
- Light Source: white LED
- Maximum light Output: 85 or 120 lumens
- Regulation: constant power regulation
- Battery: 1xCR123A or Li-ion (4.2V) rechargeable
- Housing: aerospace aluminum, military type III hard anodize
- Lens: polycarbonate with anti-reflective coatings
- Dimensions: 1 inch (25mm) diameter by 3.3 inches (80mm) long
- Weight: 3.1 ounces including battery
- Waterproof: 66 feet

Specifications are subject to change without notice.

NovaTac Limited Lifetime Warranty

NovaTac, Inc. warrants that its products will be free from defects in material and workmanship for life. NovaTac's liability is limited to the original purchase price of the product and does not cover cosmetics, color variations, modifications or batteries.

To obtain warranty service, please obtain a Return Material Authorization (RMA) number by phone or email. Securely package the item being returned and include a clear explanation of the problem, your RMA number, name, address, phone number and e-mail address postage paid to:

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