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NEBO NEB-POC-1000

NEBO Inspector 500+ Flex Pen Light User Manual

Your comprehensive guide to operating and maintaining the NEBO Inspector 500+ Flex Pen Light, a powerful and versatile lighting tool.

Product Overview

The NEBO Inspector 500+ Flex Pen Light is a compact, powerful, and versatile illumination device designed for various tasks, from routing cables to vehicle repairs. It features both focused and 360-degree area lighting, multiple brightness levels, a magnetic base, and is built with durable, waterproof materials.



Image: The NEBO Inspector 500+ Flex Pen Light, showcasing its sleek design and compact size.

Product Features in Action

▶ **Watch video online**

NEBO INSPECTOR 500+ Rechargeable Flashlight Pen Light

Video: An official demonstration of the NEBO Inspector 500+ Rechargeable Flashlight Pen Light, highlighting its key

functionalities and design.

Setup Guide

Unboxing and Package Contents

Upon opening your NEBO Inspector 500+ Flex Pen Light package, please ensure all components are present:

- NEBO Inspector 500+ Flex Pen Light
- 10850 Rechargeable Battery (pre-installed or separate)
- Micro-USB to USB Charging Cable
- User Manual (this document)

Battery Installation and Charging

The Inspector 500+ features Flex-Power Technology, allowing it to operate with either the included 10850 rechargeable battery or two standard AAA alkaline batteries.

1. **Initial Setup (Rechargeable Battery):** If the rechargeable battery is not pre-installed, unscrew the tail cap and insert the 10850 battery with the positive (+) end facing towards the head of the flashlight. Ensure any protective disc is removed from the battery before use.
2. **Charging the Rechargeable Battery:**
    - Locate the Micro-USB charging port on the side of the flashlight.
    - Connect the included Micro-USB cable to the flashlight and the USB end to a power source (e.g., computer, wall adapter).
    - The charging indicator light will illuminate. It typically turns blue when fully charged (approximately 2 hours).
3. **Using AAA Batteries:** To use 2 AAA alkaline batteries (not included), unscrew the tail cap and insert them with the correct polarity as indicated inside the battery compartment.



Image: The NEBO Inspector 500+ demonstrating its adaptable power options, showing both the rechargeable battery and disposable AAA batteries.

Operating Instructions

Power On/Off and Mode Selection

The Inspector 500+ features a single button for power and mode cycling. Press the button to cycle through the various light modes.

- **Press Once:** Activates the Penlight mode (High).
- **Subsequent Presses:** Cycle through Penlight modes (Low, Turbo) and Area Light modes (Low, High, Strobe 1, Strobe 2).
- **Hold Button:** To turn off the light from any mode, press and hold the power button for approximately 1 second.

Light Modes Explained

- **Penlight Mode (Focused Light):**
    - **Turbo (500 Lumens):** Provides maximum brightness for short bursts. Automatically steps down after 30 seconds to prevent overheating.
    - **High:** Optimal brightness for general inspection.
    - **Low (25 Lumens):** Extended runtime for less demanding tasks.



Image: The NEBO Inspector 500+ in Spot Light mode, illuminating a focused area with up to 500 lumens.

- **Area Light Mode (360-Degree Lighting):**
    - **Turbo (400 Lumens):** Brightest setting for wide area illumination.
    - **High:** General brightness for ambient lighting.
    - **Low (20 Lumens):** Energy-efficient setting for prolonged use.



Image: The NEBO Inspector 500+ in Area Light mode, providing 360-degree illumination for broader coverage.

- **Strobe Modes:** Two distinct strobe patterns for emergency signaling or attracting attention.

Magnetic Base Functionality

The integrated magnetic base allows for hands-free operation. Simply attach the base to any ferrous metal surface to position the light as needed.



Image: The NEBO Inspector 500+ attached to a metal surface via its magnetic base, demonstrating hands-free lighting.

Secure Carry with Pocket Clip

The durable steel pocket clip ensures the Inspector 500+ remains securely attached to your pocket, belt, or gear for easy access and everyday carry.



Image: The NEBO Inspector 500+ securely clipped into a pocket, illustrating its portability and ease of carry.

Maintenance

Proper care and maintenance will ensure the longevity and optimal performance of your NEBO Inspector 500+ Flex Pen Light.

- **Cleaning:** Wipe the flashlight body with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure the charging port cover is securely closed before cleaning.
- **Water Resistance:** The Inspector 500+ is IPX7 waterproof, meaning it can withstand immersion in up to 1 meter of water for up to 30 minutes. Ensure all caps and seals are tightly closed before exposing to water. After exposure to water, dry thoroughly.
- **Battery Care:**
  - For the rechargeable battery, charge it regularly, even if not in frequent use, to maintain battery health. Avoid fully depleting the battery before recharging.
  - If using AAA alkaline batteries, remove them if the flashlight will not be used for an extended period to prevent leakage.
- **Storage:** Store the flashlight in a cool, dry place away from direct sunlight and extreme temperatures.



Image: The NEBO Inspector 500+ demonstrating its IPX7 waterproof rating, submerged in water.

Troubleshooting

If you encounter issues with your NEBO Inspector 500+ Flex Pen Light, please refer to the following table for common problems and solutions.

Problem	Possible Cause	Solution
Light does not turn on.	Battery is dead or not installed correctly.	Recharge the 10850 battery or replace AAA batteries. Ensure batteries are inserted with correct polarity. Check for protective disc removal.
Light is dim or flickers.	Low battery or loose connection.	Recharge battery. Tighten tail cap and ensure battery contacts are clean.

Problem	Possible Cause	Solution
Charging indicator does not light up.	Charging cable or power source issue.	Try a different USB port or charging cable. Ensure the cable is fully inserted into the flashlight.
Light turns off unexpectedly.	Overheating (in Turbo mode) or low battery.	This is normal behavior for Turbo mode to prevent damage. If not in Turbo, recharge battery.

Technical Specifications

Detailed specifications for the NEBO Inspector 500+ Flex Pen Light:

Feature	Detail
Model Number	NEB-POC-1000
Light Source Type	LED
Brightness (Penlight Turbo)	500 Lumens
Brightness (Area Light Turbo)	400 Lumens
Runtime (Penlight Low)	Up to 8 hours
Material	Aluminum
Color	Gray, Orange
Water Resistance Level	IPX7 (Waterproof in up to 1m of water for up to 30 minutes)
Power Source	Battery Powered (10850 Rechargeable or 2 AAA)
Battery Cell Composition	Lithium (for 10850) / Alkaline (for AAA)
Product Dimensions	6.13"D x 0.67"W x 0.76"H
Item Weight	2.2 Ounces
Special Features	Adjustable Light Modes, Impact Resistant, Durable, Rechargeable, Magnetic Base

Warranty Information

The NEBO Inspector 500+ Flex Pen Light comes with a**1-year warranty** from the date of purchase. This warranty covers manufacturing defects in materials and workmanship under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or normal wear and tear.
Please retain your proof of purchase for warranty claims.

Customer Support

For further assistance, technical support, or warranty inquiries, please contact NEBO customer service:

- **Online Support:** Visit the official NEBO website or their Amazon Brand Store for FAQs and support resources.
- **NEBO Brand Store:** https://www.amazon.com/stores/NEBO/page/31C468A2-D1A5-43DA-8773-98783A49898D

Always refer to the latest information available on the official NEBO support channels for the most up-to-date assistance.

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Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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