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APLOS AP50

APLOS AP50 Scuba Diving Flashlight User Manual

Model: AP50

1. INTRODUCTION

Thank you for choosing the APLOS AP50 Scuba Diving Flashlight. This manual provides essential information for the safe and effective use of your dive light. Please read it thoroughly before operation and retain it for future reference.

2. SAFETY INFORMATION

- **Do not operate out of water for extended periods:** The flashlight generates heat. Prolonged use out of water can cause overheating and damage.
- **Battery Safety:** Use only the specified rechargeable battery. Ensure correct polarity during installation. Do not expose batteries to extreme temperatures or dispose of them in fire.
- **Waterproof Seals:** Always ensure O-rings are clean, properly seated, and lubricated before diving to maintain the IPX8 waterproof rating.
- **Eye Protection:** The AP50 emits a powerful beam. Avoid direct eye exposure to prevent temporary vision impairment.
- **Children:** Keep out of reach of children.

3. PACKAGE CONTENTS

Upon opening your APLOS AP50 package, please verify that all items are present:

- 1 x APLOS AP50 Dive Light
- 1 x Rechargeable Lithium-Ion Battery (5000mAh)
- 1 x USB Battery Charger
- 1 x USB Charging Cable
- 2 x Spare O-rings
- 1 x Lanyard
- 1 x User Manual



Image 3.1: Contents of the APLOS AP50 package, showing the flashlight, charger, USB cable, spare O-rings, and user manual.

4. PRODUCT OVERVIEW

The APLOS AP50 is a high-performance scuba diving flashlight designed for underwater exploration. It features a durable aluminum alloy body, a powerful P70 LED, and multiple lighting modes.

Product Details



Image 4.1: Diagram illustrating the key components of the APLOS AP50 dive light, including the P70 LED, high transparent tempered glass lens, AL-6061-T6 aluminum alloy body, mode switch button, and waterproof O-rings.

Key Features:

- P70 High-Definition LED:** Delivers up to 5000 lumens with a 7000K cool white beam.
- IPX8 Waterproof Rating:** Submersible up to 110 meters (360 feet).
- Durable Construction:** Made from AL-6061-T6 aluminum alloy with a wear-resistant coating and toughened glass lens.
- Four Brightness Modes:** High (5000lm), Medium (2000lm), Low (1000lm), and Strobe (2000lm).
- Long-lasting Battery:** Built-in 5000mAh rechargeable battery provides over 8 hours of runtime in low mode.
- Smart Power Status Display:** Integrated indicator light shows battery level.

3 Mode Adjustable



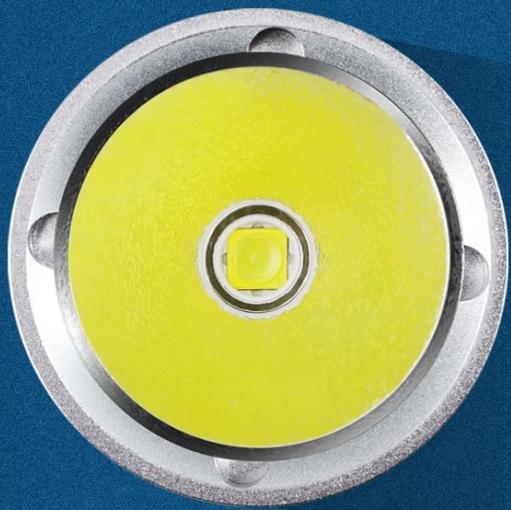
High



Medium



Beacon



P70 LED
Max Output: 5000LM

Image 4.2: The APLOS AP50 flashlight highlighting its three adjustable modes (High, Medium, Beacon) and the P70 LED with a maximum output of 5000 lumens.



Image 4.3: The intelligent power status display on the APLOS AP50, showing different LED colors (Green, Yellow, Red, Red Flashing, Power off) corresponding to battery voltage levels.

5. SETUP

5.1 Battery Installation and Charging

- 1. Unscrew Tail Cap:** Gently unscrew the tail cap of the flashlight counter-clockwise.
- 2. Insert Battery:** Insert the provided 5000mAh rechargeable Lithium-Ion battery with the positive (+) end facing towards the flashlight head.
- 3. Secure Tail Cap:** Screw the tail cap back on clockwise, ensuring it is tightened completely to maintain the waterproof seal.
- 4. Initial Charge:** Before first use, fully charge the battery using the included USB charger and cable. The charger indicator will typically change color (e.g., red to green) when charging is complete.



Image 5.1: Illustration demonstrating the importance of securely tightening the tail cap of the diving flashlight to ensure proper waterproofing and functionality. If difficult to screw, apply specialized lubricating silicone grease or edible oil.

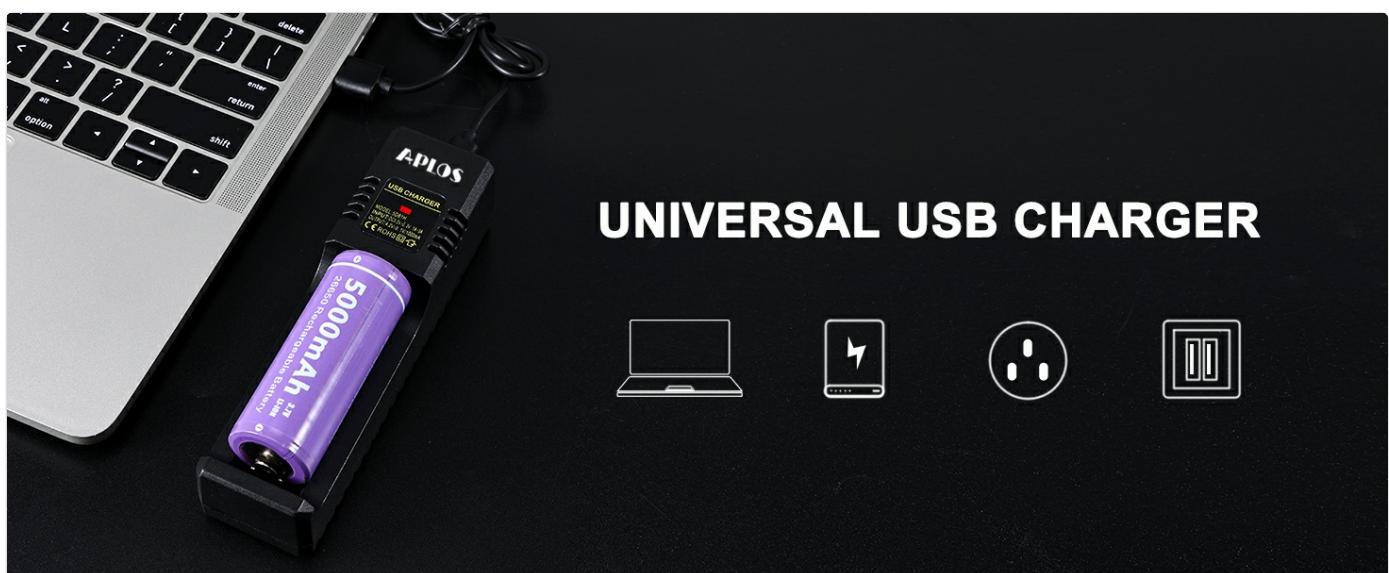


Image 5.2: The universal USB charger included with the APLOS AP50, compatible with various USB power sources like laptops, power banks, and wall adapters.

6. OPERATING INSTRUCTIONS

6.1 Power On/Off and Mode Selection

The APLOS AP50 features a single side switch for all operations.

- **To Turn On:** Press the side switch once. The flashlight will turn on in the last used mode.
- **To Change Modes:** While the flashlight is on, press the side switch repeatedly to cycle through the modes: High → Medium → Low → Strobe.
- **To Turn Off:** Press and hold the side switch for approximately 2 seconds. Alternatively, double-click the switch to turn it off directly from any mode.

Your browser does not support the video tag.

Video 6.1: An official product video demonstrating the operation of the APLOS AP50 Scuba Diving Flashlight, including turning it on, cycling through brightness modes, and turning it off. This video showcases the flashlight's functionality and ease of use.

6.2 Battery Level Indicator

The indicator light on the side switch provides real-time battery status:

- **Green Light:** Battery voltage above 3.4V (High).
- **Yellow Light:** Battery voltage 3.2V - 3.4V (Medium).
- **Red Light:** Battery voltage 3.0V - 3.2V (Low).
- **Red Flashing Light:** Battery voltage 2.8V - 3.0V (Critically Low, recharge immediately).
- **No Light:** Battery voltage below 2.8V (Power off).

7. MAINTENANCE

- **Rinse After Use:** After each dive, rinse the flashlight thoroughly with fresh water to remove salt, sand, or debris.
- **O-Ring Care:** Regularly inspect the O-rings for any signs of damage, cracks, or debris. Clean them and apply a thin layer of silicone grease to maintain their elasticity and sealing properties. Replace damaged O-rings immediately using the provided spares.
- **Battery Storage:** If storing the flashlight for an extended period, remove the battery to prevent potential leakage and discharge. Store the battery in a cool, dry place.
- **Lens Cleaning:** Clean the tempered glass lens with a soft, lint-free cloth. Avoid abrasive materials that could scratch the surface.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Flashlight does not turn on.	Battery is dead or incorrectly installed.	Charge the battery. Ensure the battery is inserted with correct polarity (+ towards head).
Light flickers or is dim.	Low battery or loose connection.	Recharge the battery. Ensure the tail cap is fully tightened.
Water ingress after diving.	Damaged or improperly seated O-rings; tail cap not fully tightened.	Inspect and clean O-rings, apply silicone grease, and ensure the tail cap is securely tightened before diving. Replace O-rings if damaged.
Flashlight overheats quickly out of water.	Normal operation for high-power LED lights.	Avoid prolonged use out of water. The flashlight is designed for heat dissipation in water.

9. SPECIFICATIONS

Feature	Detail
Model	AP50
Light Source	P70 LED
Max Brightness	5000 Lumens
Color Temperature	7000K (Cool White)
Beam Distance (Land)	Up to 500 meters
Waterproof Rating	IPX8
Max Diving Depth	110 meters (360 feet)
Material	AL-6061-T6 Aluminum Alloy
Battery Type	Rechargeable Lithium-Ion (5000mAh)
Operating Voltage	3.7 Volts
Dimensions	6.7 x 2.6 x 1.4 inches
Weight	1.12 pounds (510 grams)

10. WARRANTY AND SUPPORT

APLOS products are manufactured with quality and performance in mind. For warranty information, technical support, or any inquiries regarding your AP50 Scuba Diving Flashlight, please refer to the warranty card included in your package or visit the official APLOS website. You may also contact your retailer for assistance.

For additional information and product updates, visit the [APLOS Store on Amazon](#).

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Related Documents - AP50

	<p>APLOS AP70C Diving Flashlight User Manual</p> <p>User manual for the APLOS AP70C diving flashlight, detailing its features, specifications, operation, charging, maintenance, and safety warnings. Includes technical parameters and FAQs.</p>
<p>APLOS EDC Flashlight</p>  <p>Model L02</p> 	<p>APLOS L02 EDC Flashlight - 1000 Lumens, UV, Magnetic, Rechargeable</p> <p>Explore the APLOS L02, a powerful 1000-lumen EDC flashlight featuring UV light, a magnetic base, and multiple lighting modes. This rechargeable flashlight includes Type-C charging, IPX4 waterproof rating, and is ideal for outdoor, safety, and everyday use.</p>
	<p>TOGUARD AP50 Battery-Powered PTZ Security Camera User Manual</p> <p>Explore the features and setup of the TOGUARD AP50 Battery-Powered PTZ Security Camera with this comprehensive user manual. Learn how to connect to the CloudEdge app, mount the camera, and utilize its functions.</p>
	<p>GAOMON PD1161 Pen Display Installation Guide for Windows and Mac</p> <p>A comprehensive guide for installing the GAOMON PD1161 Pen Display on both Windows and Mac operating systems, covering driver downloads, installation steps, and troubleshooting.</p>