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› SCUBAPRO Aladin One Matrix 3-Gauge Diving Console User Manual

Scubapro 05.045.724

SCUBAPRO Aladin One Matrix 3-Gauge Diving Console User Manual

Model: Aladin ONE Matrix 3-Gauge Console (05.045.724)

INTRODUCTION

The SCUBAPRO Aladin One Matrix 3-Gauge Diving Console is designed for simplicity and reliability, making it an excellent choice for new divers and a dependable backup for experienced users. This manual provides essential information for the proper setup, operation, and maintenance of your diving console to ensure safe and effective use.



Image: The SCUBAPRO Aladin One Matrix 3-Gauge Diving Console, showing the compass, digital display, and analog pressure gauge.

Key Features:

- Easy-to-read LCD segmented display on top and middle rows, with an eye-pleasing matrix display on the bottom row.
- Two-button navigation for simple access to modes and basic dive parameter programming.
- Automatic safety stop with timer, accompanied by visual and audible alarms for enhanced safety.
- Bluetooth 4.0 low-energy interface for data transfer, storage, and analysis on PC or Mac (Android and iOS compatible).
- Backlight for improved screen readability in low-light conditions.
- Supports saltwater or freshwater modes and includes a dive planner with deco.
- Maximum operating depth: 394 feet (120 meters).
- User-replaceable battery, rated for two years or 300 dives.

SETUP

Before your first dive, ensure the console is properly set up and connected to your diving equipment.

1. Initial Inspection:

- Unpack the console and inspect it for any visible damage.
- Verify all components are present as listed in the product packaging.

2. Battery Installation/Check:

The Aladin One Matrix comes with a user-replaceable battery. While typically pre-installed, it's good practice to confirm its status or replace it if needed, especially before extended periods of non-use or if the low battery indicator appears.

- Refer to the battery compartment on the back of the unit.
- Use the appropriate tool (if required) to open the compartment.
- Insert a new CR2450 battery, ensuring correct polarity.
- Securely close the battery compartment to maintain water integrity.

3. Console Connection:

Connect the 3-gauge console to your first stage regulator's high-pressure port. Ensure a secure and leak-free connection.

- Align the high-pressure hose fitting with the corresponding port on your first stage.
- Hand-tighten the connection, then use a wrench to snug it securely, but do not overtighten.
- Perform a leak check by slowly pressurizing your system and listening for any hissing sounds.

OPERATING INSTRUCTIONS

Understanding the display and navigation is crucial for effective use of your Aladin One Matrix console.

1. Display Overview:

The console features a clear LCD display for digital information and an analog gauge for pressure. The digital display shows:

- **Top Row:** Current Depth

- **Middle Row:** Dive Time, No-Stop Time
- **Bottom Row (Matrix):** Additional dive parameters, warnings, and menu options.

2. Two-Button Navigation:

The Aladin One Matrix uses two buttons for navigation and setting parameters. Typically, one button is for scrolling or changing values, and the other is for selection or entering a menu.

- **Short Press:** Cycles through information or options.
- **Long Press:** Enters/exits menus or confirms selections.

3. Pre-Dive Settings:

Before each dive, ensure your console is set to the correct parameters:

- **Saltwater/Freshwater Mode:** Select the appropriate water type for accurate depth readings.
- **Units:** Confirm depth and pressure units (e.g., meters/feet, bar/PSI).
- **Dive Planner:** Utilize the built-in dive planner to review no-decompression limits for your planned dive.

4. During the Dive:

- **Monitoring:** Regularly check your depth, dive time, no-stop time, and tank pressure (analog gauge).
- **Backlight:** Activate the backlight in low-light conditions for improved visibility.
- **Alarms:** Pay attention to visual and audible alarms for ascent rate, depth limits, and safety stops.
- **Safety Stop:** The console features an automatic safety stop with a timer. Ascend to the safety stop depth (typically 15 feet/5 meters) and remain there until the timer clears.

5. Post-Dive Data Transfer:

After your dive, you can transfer your dive data for logging and analysis.

- Ensure your console is in data transfer mode.
- Use the Bluetooth 4.0 low-energy interface to connect to a compatible PC, Mac, Android, or iOS device.
- Utilize SCUBAPRO's dive logging software (or compatible third-party applications) to download and review your dive profiles.

MAINTENANCE

Proper maintenance extends the life of your Aladin One Matrix console and ensures its reliability.

1. Rinsing and Cleaning:

- After each dive, thoroughly rinse the console with fresh water.
- Ensure all salt, sand, and debris are removed, especially around buttons and the hose connection.
- Do not use harsh chemicals or abrasive materials for cleaning.
- Allow the console to air dry completely in a shaded area before storage.

2. Battery Replacement:

The battery is user-replaceable. Replace the battery when the low battery indicator appears or approximately every two years/300 dives, whichever comes first.

- Use only the specified battery type (CR2450).
- Carefully follow the instructions for opening and sealing the battery compartment to prevent water intrusion.
- Inspect the O-ring for any damage or debris and apply a thin layer of silicone grease if necessary before re-sealing.

3. Storage:

- Store the console in a cool, dry place, away from direct sunlight and extreme temperatures.
- Avoid storing with other sharp objects that could scratch the display or housing.
- If storing for an extended period, consider removing the battery to prevent leakage.



Image: A diver preparing for a dive, emphasizing the importance of pre-dive checks and equipment maintenance.

TROUBLESHOOTING

This section addresses common issues you might encounter with your Aladin One Matrix console.

Problem	Possible Cause	Solution
Display is blank or dim.	Low or dead battery; unit in sleep mode; extreme cold.	Replace battery; press any button to wake; allow unit to warm up.
Inaccurate depth readings.	Incorrect saltwater/freshwater setting; sensor obstruction.	Verify water type setting; rinse sensor port thoroughly.
Cannot connect via Bluetooth.	Console not in pairing mode; Bluetooth disabled on device; interference.	Ensure console is in data transfer mode; enable Bluetooth on your device; move closer to the device.
Audible alarm not sounding.	Alarm volume set too low or disabled; speaker port blocked.	Check alarm settings in menu; clean speaker port.

If you encounter an issue not listed here or if the suggested solutions do not resolve the problem, please contact SCUBAPRO customer support.

SPECIFICATIONS

Feature	Detail
Brand	Scubapro
Model Name	Aladin ONE Matrix 3-Gauge Console
Part Number	05.045.724
Material	Polycarbonate (PC)
Color	Black
Item Dimensions (L x W x H)	12.5 x 6.25 x 3.25 inches
Item Weight	1.2 Pounds
Screen Size	4.5 Inches
Maximum Operating Depth	394 feet (120 meters)
Battery Type	User-replaceable (CR2450)
Battery Life	Approx. 2 years or 300 dives
Connectivity	Bluetooth 4.0 low-energy
Included Components	ALADIN ONE (Mx) CPL;PG U-Line ca PSI Scubapro

WARRANTY AND SUPPORT

Warranty Information:

The SCUBAPRO Aladin One Matrix 3-Gauge Diving Console comes with a limited warranty. Please refer to the warranty card included with your product or visit the official SCUBAPRO website for detailed terms and conditions regarding coverage, duration, and claims procedures.

Customer Support:

For technical assistance, service, or any questions not covered in this manual, please contact SCUBAPRO customer support. You can find contact information, FAQs, and additional resources on the official SCUBAPRO website:

www.scubapro.com



Image: The official SCUBAPRO logo, representing the brand's commitment to quality diving equipment.

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