**ATMOS Mission One**

# ATMOS Mission One Dive Computer User Manual

Model: Mission One (ATM-KD2-BB)

## 1. INTRODUCTION

The ATMOS Mission One is a versatile and intelligent dive computer engineered for both scuba and free diving. It integrates advanced features such as a high-resolution color display, GPS, and a digital compass to enhance your underwater experience. Beyond its primary function as a dive computer, it also offers smartwatch capabilities, making it a comprehensive companion for both your adventures and daily life.

This manual provides essential information on setting up, operating, maintaining, and troubleshooting your Mission One Dive Computer to ensure optimal performance and longevity.

## 2. PRODUCT FEATURES

The Mission One Dive Computer is equipped with a range of features designed for safety, convenience, and performance:

- **High-resolution 1.2" Color Display:** Sunlight-visible for clear readability in various conditions.
- **Multiple Dive Modes:** Supports Air, Nitrox, Freedive, and Gauge modes.
- **Bühlmann ZHL-16c Decompression Mode:** GF configurable for advanced dive planning.
- **Integrated GPS:** Record dive site locations (surface use only) and upload to the ATMOS divelog App.
- **Digital Compass:** Provides accurate orientation underwater.
- **Advanced Alarm System:** Features audible, vibration, and display alarms for critical dive parameters.
- **Dive Log Memory:** Stores up to 100 dive logs with graphical representation.
- **Smartwatch Functions:** Includes message/call notifications, stopwatch, alarm clock, and second timezone.
- **Durable Design:** Suitable for fresh and salt water environments.

Figure 2.1: Front view of the ATMOS Mission One Dive Computer, showing the main display with dive information.

Figure 2.2: Angled view of the ATMOS Mission One Dive Computer, illustrating its design and side controls.

# 3. SETUP

## 3.1 Initial Charging

Before first use, fully charge your Mission One Dive Computer. Use only the charging cable provided with your device. Connect the charging clamp securely to the watch. Plug the USB end into a standard USB power adapter (5V/1A recommended) or a computer USB port.

**IMPORTANT SAFETY WARNING: Do NOT use fast-charging wall adapters or chargers with higher voltage/current output than recommended (e.g., 9V/2A, 12V/1.5A). Using incompatible chargers can cause the charging clamp to melt and may damage the device. Always use a standard 5V/1A USB power source.**

## 3.2 Powering On/Off

- **To Power On:** Press and hold the designated power button (refer to device diagram for exact location) until the ATMOS logo appears.
- **To Power Off:** Navigate to the system settings menu and select 'Power Off', or press and hold the power button and confirm shutdown when prompted.

## 3.3 Initial Settings

Upon first power-on or after a factory reset, you will be guided through initial setup steps:

- **Language Selection:** Choose your preferred language.
- **Time and Date:** Set the current time and date. The device can also sync time via GPS when available.
- **Units:** Select preferred units for depth (meters/feet), temperature (Celsius/Fahrenheit), and pressure.
- **Water Type:** Specify fresh or salt water for accurate depth calculations.

## 3.4 Connecting to ATMOS Divelog App

The Mission One can connect to the ATMOS divelog App via Bluetooth for dive log synchronization and device settings management.

1. Download the ATMOS divelog App from your device's app store.
2. Enable Bluetooth on your smartphone.
3. On the Mission One, navigate to the Bluetooth settings and enable pairing mode.
4. Open the ATMOS divelog App and follow the on-screen instructions to pair with your Mission One device.

# 4. OPERATING MODES

The Mission One offers four distinct operating modes:

## 4.1 Air & Nitrox Mode

This mode is for scuba diving with air or nitrox gas mixtures.

- **Decompression Model:** Bühlmann ZHL-16c with Gradient Factor (GF) configurability.
- **Gas Mix:** Supports single gas Air and Nitrox (22-40% O2).
- **Alarms:** Ascent rate monitor, depth, time, NDL (No Decompression Limit), and safety stop alarms (audible, vibration, display).
- **Features:** Reset residual nitrogen function, dive planner.

## 4.2 Freediving Mode

Designed specifically for freediving activities.

- **Alarms:** 5 sets of depth alarms, 5 sets of time alarms (audible, vibration, display).
- **Monitoring:** Ascent/descent rate monitor, surface rest finish notification.

## 4.3 Gauge Mode

Functions as a bottom timer, displaying current depth, dive time, and temperature.

- **Display:** Easy-to-read screen with large layout for essential data.
- **Alarms:** Depth/time alarms (audible, vibration, display).

## 4.4 Watch Mode

Beyond diving, the Mission One serves as a functional smartwatch.

- **Notifications:** Message and call notifications from a paired smartphone.
- **Utilities:** Stopwatch, alarm clock, second timezone.
- **Display:** Wrist backlight activation for convenience.

# 5. GPS AND DIVELOG MANAGEMENT

The Mission One enhances your dive experience with integrated GPS and comprehensive divelog capabilities.

- **Record Dive Site GPS:** On the surface, the device can record the GPS coordinates of your dive entry point.
- **Dive Spot Guide:** Utilize the recorded GPS data for future navigation to dive spots (surface use only).
- **Divelog Memory:** The device stores up to 100 dive logs, including graphical representations of your dive profiles.
- **ATMOS Divelog App:** Upload your dive logs to the ATMOS divelog App for detailed analysis, sharing, and long-term storage. This can be done via Bluetooth or USB cable connection to a computer.

# 6. MAINTENANCE

## 6.1 Cleaning the Device

After each dive, rinse your Mission One thoroughly with fresh water to remove salt, chlorine, and other residues. Dry the device completely with a soft cloth. Avoid using chemical cleaners or abrasive materials.

## 6.2 Charging and Battery Care

Always ensure the charging contacts on the device and the charging clamp are clean and dry before charging. Use a soft cloth or cotton swab to gently clean them if necessary.

**REITERATED SAFETY WARNING: To prevent damage to the charging clamp and the device, ONLY use the provided charging cable and a standard 5V/1A USB power source. Avoid fast chargers or power adapters with higher voltage/current output.**

The battery life can vary depending on usage. Regular charging and avoiding complete discharge can help maintain battery health.

## 6.3 Firmware Updates

ATMOS regularly releases firmware updates to improve performance, add features, and fix bugs. Check the

ATMOS divelog App or the official ATMOS website for available updates and follow the instructions provided for installation.

# 7. TROUBLESHOOTING

If you encounter issues with your Mission One Dive Computer, try the following steps:

- **Device Not Responding:** Try restarting the device by holding the power button. If unresponsive, ensure it is charged.
- **Charging Issues:** Ensure the charging contacts are clean and dry. Verify you are using the correct 5V/1A power source and the provided cable.
- **Bluetooth Connectivity:** Ensure Bluetooth is enabled on both the Mission One and your smartphone. Try unpairing and re-pairing the devices.
- **Inaccurate Readings:** Ensure the water type (fresh/salt) is correctly set in the device settings. For compass calibration, follow the instructions in the device menu.
- **App Sync Issues:** Ensure the ATMOS divelog App is up to date. Check your internet connection for app-related functions.

For persistent issues, refer to the official ATMOS support website or contact customer service.

# 8. SPECIFICATIONS

| Feature | Detail |
|---------|--------|
| Model Name | Mission One |
| Brand | ATMOS |
| Screen Size | 1.2 Inches |
| Display Type | High-res Color Display (Sunlight-visible) |
| Shape | Round |
| GPS | Built-in GPS |
| Connectivity Technology | GPS, Bluetooth |
| Operating System | IOS (compatible) |
| Battery Cell Composition | Lithium Polymer |
| Item Dimensions (LxWxH) | 3.6 x 4.2 x 3.6 inches |
| Item Package Dimensions (LxWxH) | 4.29 x 3.74 x 3.62 inches |
| Package Weight | 0.3 Kilograms |
| Color | Black/Black |

| Manufacturer | HOG Gear |
|---|---|
| Part Number | ATM-KD2-BB |
| First Available Date | January 31, 2020 |

# 9. IMPORTANT SAFETY INFORMATION / LEGAL DISCLAIMER

We appreciate your decision to purchase ATMOS Dive products. We are committed to providing the best in-water experience. You may notice a warning label referring to carcinogens and birth defects on our products. This warning is required by the State of California's Safe Drinking Water and Toxic Enforcement Act, commonly known as

**Related Documents -** Mission One



**ATMOS MISSION3 Dive Computer User Manual**
User manual for the ATMOS MISSION3 dive computer, covering basic operation, safety instructions, button functions, charging, mobile phone pairing, scuba diving modes, freediving modes, GPS functions, settings, and firmware upgrades.



**ATMOS MISSION3 Dive Computer User Manual**
User manual for the ATMOS MISSION3 dive computer, covering basic operation, safety instructions, button functions, charging, mobile phone pairing, scuba diving modes, freediving modes, GPS functions, settings, and firmware upgrades.



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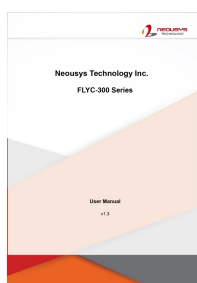
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| | [Neousys FLYC-300 Series User Manual: AI Mission Computer for Drones and UAVs](#)<br>This user manual details the Neousys Technology Inc. FLYC-300 Series, an ultra-lightweight AI mission computer for drones and UAVs, powered by NVIDIA Jetson Orin NX for advanced autonomous applications and real-time video analytics. |
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