Oceanic 04-6270

Oceanic VTX OLED Scuba Computer with Transmitter User Manual

Model: 04-6270

1. Product Overview

The Oceanic VTX OLED Complete Scuba Computer with Transmitter is an advanced dive computer designed for clarity and ease of use. It features an OLED color display and integrated Bluetooth technology for seamless interaction with your dive data.

Figure 1: Oceanic VTX OLED Scuba Computer with its wireless transmitter.

Key Features:

- **Ultra-bright High Contrast Full Color OLED Display:** Provides intuitive color identification of critical dive data.
- **Bluetooth 4.0 LE Ready:** Enables wireless transfer of dive profiles and computer settings to compatible PC, Mac, and iOS applications.
- **Advanced Features:** Designed for both technically-savvy divers and new users, offering powerful capabilities with an intuitive interface.
- **Dual Algorithm:** Allows selection of the decompression algorithm best suited for individual diving needs, ensuring safety.
- **Hoseless, Air-Integrated:** Features a patented air time remaining algorithm for real-time air pressure monitoring.
- **3-Axis Digital Compass:** Integrated for navigation.
- **Multiple Nitrox Mixes:** Supports up to 4 nitrox gas mixes.
- **User Replaceable Battery:** For convenient maintenance.

2. Setup and Initial Configuration

Before your first dive, ensure the VTX OLED computer is properly set up and configured.

2.1. Battery Installation

The VTX OLED uses a user-replaceable battery. Refer to the back of the unit for the battery compartment. Ensure the O-ring is clean and properly seated before closing the compartment to maintain water integrity.

Figure 2: Rear view of the VTX OLED, showing the battery compartment and strap attachment points.

2.2. Transmitter Pairing

1. Attach the wireless transmitter to your first stage regulator's high-pressure port.
2. Turn on the VTX OLED computer.
3. Navigate to the "Transmitter" or "Pairing" menu option using the push buttons.

4. Follow the on-screen prompts to pair the computer with the transmitter. The computer will display the transmitter's serial number and current tank pressure once successfully paired.

Figure 3: The VTX OLED computer and its wireless transmitter, ready for pairing.

2.3. Initial Settings

Access the main menu to configure essential settings:

- **Units:** Select Imperial (feet/psi) or Metric (meters/bar).
- **Gas Mixes:** Configure up to four Nitrox mixes (e.g., EANx21, EANx32).
- **Algorithm:** Choose between the available dual algorithms based on your diving preferences and training.
- **Alarms:** Set depth, time, and ascent rate alarms.
- **Date & Time:** Adjust to your local time zone.

2.4. Bluetooth Connection (DiverLog App)

The VTX OLED is Bluetooth 4.0 LE ready for use with the DiverLog app (available for iOS, PC, and Mac). This allows for wireless transfer of dive profiles and computer settings.

1. Download and install the DiverLog app on your compatible device.
2. Enable Bluetooth on your device and the VTX OLED.
3. Open the DiverLog app and follow the instructions to connect to your VTX OLED.

4. Once connected, you can adjust settings, view logs, and update firmware.

3. Operating the VTX OLED

The VTX OLED features an intuitive push-button menu system and a clear OLED display for easy operation during dives.

3.1. Basic Navigation

The computer typically has multiple buttons (e.g., MODE, ADV, SELECT) for navigation. Refer to the on-screen prompts for specific button functions in different modes.

Figure 4: The VTX OLED worn on a diver's wrist, showing the clear OLED display and side buttons.

- **MODE Button:** Typically cycles through main operating modes (e.g., Surface, Dive, Log).
- **ADV (Advance) Button:** Used to scroll through options or advance settings within a menu.

- **SELECT Button:** Used to confirm selections or enter sub-menus.

3.2. Pre-Dive Check

Before each dive, perform the following checks:

1. Verify battery level.
2. Confirm transmitter is paired and displaying correct tank pressure.
3. Check selected gas mix(es) and algorithm.
4. Ensure all alarms are set appropriately.
5. Perform a function check of the display and buttons.

3.3. During the Dive

The OLED display provides real-time dive data with color-coded indicators:

- **Depth:** Current depth.
- **No Decompression Limit (NDL):** Remaining bottom time.
- **Air Time Remaining (ATR):** Calculated based on current depth, breathing rate, and tank pressure.
- **Tank Pressure:** Real-time pressure from the paired transmitter.
- **Ascent Rate Indicator:** Visual cues for safe ascent.
- **Digital Compass:** Access the 3-axis digital compass for navigation.

The computer will automatically switch to dive mode upon reaching a certain depth and log the dive profile.

3.4. Post-Dive Review

After a dive, the VTX OLED will display a summary. You can access the logbook mode to review detailed dive profiles, including maximum depth, dive time, average depth, and gas consumption. Use the DiverLog app for more comprehensive analysis and sharing.

4. Maintenance and Care

Proper maintenance ensures the longevity and reliability of your VTX OLED computer.

4.1. Rinsing and Cleaning

- After each dive, rinse the computer thoroughly with fresh water.
- Ensure all salt and debris are removed from buttons and crevices.
- Dry the unit completely with a soft towel before storage.
- Do not use chemical cleaners or solvents, as these can damage the display or casing.

4.2. Battery Replacement

Replace the battery as soon as the low battery indicator appears. Always use the recommended battery type and ensure the O-ring is clean, lubricated, and correctly seated to prevent water intrusion. If unsure, consult an authorized service center.

4.3. Storage

- Store the VTX OLED in a cool, dry place away from direct sunlight.

- Avoid extreme temperatures.
- If storing for an extended period, consider removing the battery to prevent leakage.

4.4. Firmware Updates

Periodically check for firmware updates via the DiverLog app. Updates can provide new features, improvements, and bug fixes. Follow the app's instructions carefully during the update process.

5. Troubleshooting

This section addresses common issues you might encounter with your VTX OLED computer.

5.1. Display Not Working / Blank Screen

- **Check Battery:** Ensure the battery is correctly installed and has sufficient charge. Replace if necessary.
- **Power Cycle:** Try turning the unit off and on again.
- **Water Contact:** If recently submerged, ensure all water is dried from the buttons and sensors.

5.2. Transmitter Not Pairing / No Air Pressure Reading

- **Transmitter Battery:** Check the battery in the transmitter.
- **Proximity:** Ensure the computer and transmitter are within close range during pairing.
- **Re-pair:** Attempt to re-pair the transmitter through the computer's menu.
- **Interference:** Move away from other electronic devices that might cause interference.

5.3. Bluetooth Connection Issues

- **Enable Bluetooth:** Verify Bluetooth is enabled on both the VTX OLED and your smart device/computer.
- **App Version:** Ensure you are using the latest version of the DiverLog app.
- **Device Compatibility:** Confirm your device meets the minimum requirements for the app.
- **Restart Devices:** Try restarting both the VTX OLED and your smart device.

5.4. Inaccurate Depth/Pressure Readings

- **Sensor Blockage:** Check for any debris blocking the pressure sensor ports.
- **Calibration:** If issues persist, contact an authorized service center for calibration or inspection.

For issues not covered here, please contact Oceanic customer support or an authorized service center.

6. Technical Specifications

Feature	Specification
Model Number	04-6270
Display Type	OLED Color Display
Connectivity	Bluetooth 4.0 LE

Feature	Specification
Air Integration	Hoseless, Wireless Transmitter
Algorithms	Dual Algorithm (user selectable)
Nitrox Compatibility	Up to 4 mixes
Compass	3-Axis Digital Compass
Battery Type	User Replaceable
Material	Polycarbonate (PC)
Dimensions (L x W x H)	8.5 x 6.25 x 3.25 inches
Weight	1.7 Pounds
Manufacturer	Aeris
UPC	687965602519, 020545089742