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QuickStart Guide  
**XB1 Nx**





# WELCOME

- This QuickStart Guide will help you to understand the basic surface and underwater operation of the AERIS XR-1 Nx.
- Prior to diving with the XR-1 Nx, you must also read and understand both the Operating Manual and the AERIS Dive Computer Safety and Reference Manual which provide detailed operating instructions, important warnings and safety recommendations as well as general product information.

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# FULL DISPLAY



- Each numeric and graphic display represents a unique piece of information. It is imperative that you understand the formats, ranges, and values of the information represented to avoid any possible misunderstanding that could result in error.

# CONTROL BUTTON



- The Control Button allows you to select display options and access specific information when you want to see it – both on the surface and underwater.
- It is also used to enter personal settings.
- 2 functions – press and release and press and hold for 2 seconds.

# ACTIVATION



- To Manually Activate the XR-1 Nx, momentarily press and release the Button.
- When manually activated, the unit will enter Diagnostic Mode, displaying all segments of the LCD as 8's, followed by dashes (- -), then a countdown from 9 to 0.
- Diagnostic Mode checks the display, battery voltage and barometric pressure to ensure that everything is within tolerance and functioning properly.

# ACTIVATION



- The XR-1 Nx will also automatically activate by Wet Contact (only if Wet Activation is set ON).
- If no dive is made within 2 hours after initial activation, the unit will automatically deactivate. If the wet contacts are still bridged, the unit will reactivate and display the H2O graphic.



# SURFACE SEQUENCE

- Following diagnostic countdown, the unit will automatically scroll through a Sequence of displays including:
  - *Surface Mode*
  - *Fly Mode* (if a dive made in the last 24 hours)
  - *DeSat Mode* (if a dive made in the last 24 hours)
  - *Plan Mode*

# SURFACE MODE



- Surface Mode, identified by the Surface Time icon, follows Diagnostic Mode after Activation.
- Information includes Repetitive Dive Number (0 if no dive made yet), Temperature, Time of Day, Battery Indicator, and Surface Time (activation time or surface interval following a dive).

# PRE-DIVE PLANNING



- The Pre Dive Planning Sequence™ (PDPS), begins automatically, providing a sequence of theoretical no-decompression dive times available for depths scrolling from 30 FT (9 M) to 190 FT (57 M) in 10 FT (3 M) increments.



# PRE-DIVE PLANNING

- For repetitive dives, the PDPS indicates adjusted dive times that are available for the next dive, based on residual nitrogen or oxygen accumulation following the last dive and surface interval.
- During PDPS, you may press and release the operating button to return to Surface Mode.



# SET MODE

- After gaining access to Set Mode, settings may be made in sequence one after the other, or you may access a specific item that you want to set, bypassing others.
- If the button is not pressed during a 2 minute period while in the Set Mode, the unit will revert to Surface Mode and resume the Surface Sequence scroll.



# SET MODE ACCESS & TIMING

- To access Set Mode while the Surface Sequence is scrolling, depress and hold the button for 2 seconds.
- Upon entry into Set Mode, the Set FO2 (Nitrox Mix) screen will be displayed with the Set Point flashing.
- To make modifications to settings, momentarily press and release the button.
- Depress the button for 2 seconds to accept the Set Point displayed and advance to the next Set Mode screen.

# SET: FO2 (NITROX MIX)



- Default setting is AIR. FO2 may be set to values between AIR, and 21-50% in 1% increments.

# SET: FO2 (NITROX MIX)



- Press and release the button repeatedly (less than 2 seconds each time) to advance the FO2 Set Point in increments of 1% per press of the button.
- Depress and hold the button for 2 seconds to accept the Set Point, and advance to the next setting.

# SET: WET ACTIVATION



- Factory set for ON, Wet Activation may also be set OFF (disabled) to prevent inadvertent activation during travel or storage.
- When set ON, the XR-1 Nx will automatically Activate and enter Dive Mode upon immersion in water.
- When set OFF, the XR-1 Nx must be manually activated.

# SET: WET ACTIVATION



- Press and release the button (less than 2 seconds) to toggle between ON and OFF.
- Depress and hold the button for 2 seconds to accept the Set Point, and advance to the next setting.

# SET: UNITS OF MEASURE



- Factory set for Imperial, Units of Measure may also be set for Metric.

# SET: UNITS OF MEASURE



- Press and release the button (less than 2 seconds) to toggle between Imperial (FT and F) and Metric (M and C) units.
- Depress and hold the button for 2 seconds to accept the Set Point, and advance to the next setting.

# SET: HOUR FORMAT



- Factory set for 12 Hour (12: AM to 11: PM), the Hour Format may also be set for 24 Hour (0: to 23: hours).

# SET: HOUR FORMAT



- Press and release the button (less than 2 seconds) to toggle between 12 and 24.
- Depress and hold the button for 2 seconds to accept the Set Point, and advance to the next setting.

# SET: TIME > HOUR



- Set for factory local time, the Time can be set to values between 0:00 and 12:59 (AM/PM) or 0:00 and 23:59.

# SET: TIME > HOUR



- Press and release the button repeatedly (less than 2 seconds each time) to advance the Hour Set Point in increments of 1 Hour per press of the button.
- Depress and hold the button for 2 seconds to accept the Set Point, and advance to the next setting.

# SET: TIME > MINUTE



- Press/release the button repeatedly (less than 2 seconds each time) to advance the Minute Set Point in increments of 1 Minute per press of the button.
- Depress and hold the button for 2 seconds to accept the Set Point, and advance to the next setting.

# SET: MAX PO2 (NITROX)



- Factory set for 1.60 (ATA), the PO2 Alarm may be set to values between 1.20 and 1.60 (ATA) in increments of .10 (ATA).

# SET: MAX PO2 (NITROX)



- Press and release the button repeatedly (less than 2 seconds each time) to advance the Max PO2 Set Point.
- Depress and hold the button for 2 seconds to accept the Set Point, and advance to the next setting.

# SET: FO2 50% DEFAULT



- Factory set ON, the FO2 50% Default feature may be set to OFF.

# SET: FO2 50% DEFAULT



- Press and release the button repeatedly (less than 2 seconds each time) to toggle between ON and OFF.
- Depress and hold the button for 2 seconds to accept the Set Point, and return to Surface Mode.

# Diving with the XR-1 Nx



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# CONTROL OF DISPLAYS

- During No Decompression conditions, various displays of information (up to 4) are available. Each provides Depth, Dive Time Remaining, and additional information. The intent of this feature is to allow the diver to select which information is on display at any given time during the dive. The screens can be changed from one display to another as often as desired by pressing and releasing the button momentarily (< 2 seconds).



# CONTROL OF DISPLAYS

- During conditions in which cautionary type information is displayed (e.g., Decompression, High PO<sub>2</sub>, High O<sub>2</sub>, etc.), there is a Main Display of important information relevant to the specific condition. Other screens of information may be accessed, which automatically revert to the Main Display after 3 seconds.

# NO-DECO DIVE MODE



- The XR-1 Nx will automatically enter the No Decompression Main Dive Mode Display when you descend to 5 FT (1.5 M).
- **NO-DECO DIVE MAIN DISPLAY #1** Information includes: Current Depth, Dive Time Remaining (and Mode icon), and the applicable bar graphs (Nitrogen, Oxygen and Ascent Rate).

# NO-DECO DIVE MODE



- Press and release the button 1 time (< 2 seconds) to change the screen to No Deco Dive Main Display #2.
- **NO-DECO DIVE MAIN DISPLAY #2** Additional information includes: Maximum Depth and Elapsed Dive Time.

# NO-DECO DIVE MODE



- Press and release the button 1 time (< 2 seconds) to change the screen to No Deco Dive Main Display #3.
- **NO-DECO DIVE MAIN DISPLAY #3** Additional information includes: Temperature and Time of Day.

# NO-DECO DIVE MODE



- Press and release the button 1 time (< 2 seconds) to change the screen to No Deco Dive Main Display #4 (only if programmed for Nitrox).
- **NO-DECO DIVE MAIN DISPLAY #4** Additional information includes: Current PO2.

# NO-DECO DIVE MODE



- Press/release the button 1 time (< 2 seconds) to return to No Deco Dive Main Display #1.

# NO-DECO SAFETY STOP



- Upon ascending to 20 FT (6 M) on any No Decompression dive in which Depth exceeded 30 FT (9 M), an Automatic Safety Stop prompt will appear displaying a Stop at 15 FT (4.5 M) with a 3 minute Countdown Timer.



# NO-DECO SAFETY STOP

- The Safety Stop will be displayed until the countdown times out, or another descent is made below 30 FT (10 M), or the diver surfaces.
- There is no Penalty for surfacing prior to completing the Safety Stop.

# THANK YOU

- We hope that you have found this QuickStart Guide helpful. We encourage you to visit our web site and read the Operating Manual to learn about the many other features that the AERIS XR-1 Nx has to offer – we are quite sure that you won't be disappointed.
- Now get out and get it wet. Be safe and have a great time.

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