

AERIS

The adventure begins

QuickStart Guide
compu mask





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WELCOME

- This QuickStart Guide will help you to understand the basic surface and underwater operation of the AERIS CompuMask.
- Prior to diving with the CompuMask, 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.

ACTIVATION



- To Manually Activate the CompuMask, momentarily press and release either 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 CompuMask will also automatically activate by Wet Contact and descent greater than 5 ft (only if Wet Activation is set ON).
- If no dive is made within 2 hours after initial activation, the unit will automatically deactivate.

CONTROL BUTTONS

Advance <A-TOP>



Select
<S-Side>

- The Control Buttons allow you to select display options and access specific information when you want to see it – both on the surface and underwater.
- They are also used to enter personal settings and control the Backlight.
- Each button has 2 functions – press and release and press and hold.

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- **SURFACE MAIN**
 - *Dive Number*
 - *Tissue Loading Bar Graph*
 - *Surface Interval*
 - *Pressure*
 - *Operating Mode/Elevation*
- Hold <A-TOP> button: Change Mode. Press <A-TOP> to confirm.
- Press <S-SIDE> button: Backlight > Toggle ON/OFF
- Press <A-TOP> button: View Alternate Displays, Plan, Fly/DSAT, Log, and History
- Hold <S-SIDE> button: Set Mode

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- **SURF ALT 1**
 - *O2 Bar Graph*
 - *F02 Set Point*
- Bypass if not set for Nitrox
- 5 second return to main
- Press <A-TOP> button:
Alternate Display 2

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- **SURF ALT 2**
 - *Time of Day*
 - *Temperature*
 - *Altitude Level if greater than 3000 ft above sea level*
- 5 second return to main
- Press <A-TOP> button:
Plan Lead-In

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- **PLAN LEAD IN**
 - *F02 Set Point*
- Bypass if not set for Nitrox
- 5 second return to main
- Press <S-SIDE> button: Pre-Dive Planning Sequence (PDPS™)
- Press <A-TOP> button: Fly Time

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- **PLAN MODE – PDPS™**
 - *Maximum Operating Depth (if set for Nitrox)*
 - *PO2 Set Point*
 - *Plan Depth*
 - *No-Deco Limit*
- Press <S-SIDE> button:
Step through to 190 ft/57m then back to Surface Main
- Press <A-TOP> button:
Fly Time

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- **FLY TIME**
 - *23:50 to 0:00*
Countdown Timer
- Press <A-TOP> button:
DSAT Time

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- **DESAT TIME**
- Calculated Desaturation Time
- Press <A-TOP> button:
Log Preview

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- **LOG PREVIEW**
 - *Dive Number*
 - *Dive Date*
 - *Dive Start Time of Day*
 - *LOG Book Icon*
- Hold <S-SIDE> button:
Scroll through previous
Log Preview Displays
- Press <S-SIDE> button:
Log 1
- Press <A-TOP> button:
History

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- **LOG 1**
 - *Dive Number*
 - *LOG Book Icon*
 - *Surface Interval*
 - *Temperature*
 - *Mode ID: No-Deco, Deco, Gauge, or Violation*
- Press <S-SIDE> button:
Log 2
- Press <A-TOP> button:
Surface Main

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- **LOG 2**
 - *Dive Number*
 - *LOG Book Icon*
 - *Tissue Loading Bar Graph*
 - *Max Depth*
 - *Elapsed Dive Time*
- Press <S-SIDE> button:
Log 3
- Press <A-TOP> button:
Surface Main

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- **LOG 3**
 - *O2 Bar Graph*
 - *LOG Book Icon*
 - *Max PO2*
 - *F02 Set Point*
- Press <S-SIDE> button:
Next Log Preview
- Press <A-TOP> button:
Surface Main

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- **HISTORY 1**
 - *Total Dives*
 - *Total Dive Hours*
- Press <S-SIDE> button:
History 2
- Press <A-TOP> button:
Surface Main

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- **HISTORY 2**
 - *Maximum Depth*
 - *Max Elevation Level*
 - *Minimum Temperature*
- Press <S-SIDE> button:
Surface Main
- Press <A-TOP> button:
Surface Main

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 Main.

*** All settings, with the exception of SET F (Nitrox), may also be made via the ACI PC Interface Application.

SET MODE ACCESS & LOGIC

- To access Set Mode while in Surface Mode Main, depress and hold the <S-SIDE> button for 2 seconds.
- Upon entry into Set Mode, the Set G (GLO) menu screen will be displayed.
- To access Set G settings, press and release the <A-TOP> button.
- To bypass and proceed to the next setting menu, depress and hold the <S-SIDE> button for 2 seconds.
- To make modifications to settings, momentarily press and release the <S-SIDE> button.
- Depress and release the <A-TOP> button to accept the Set Point displayed and advance to the next Set Mode screen.

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- **SET MODE**
 - *Accessed from Surface Main*
- Hold <S-SIDE> button:
Enter Set Mode top-level menu (SET G)

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- **SET G – GLOW**
- Hold <S-SIDE> button:
Set F – FO2
- Press <A-TOP> button:
Set Backlight Level

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- **SET BACKLIGHT LEVEL**
- Press <S-SIDE> button:
Scroll through settings
- Press <A-TOP> button:
Return to SET G top level menu

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- **SET F – FO2**
- Hold <S-SIDE> button:
Set A - ALARMS
- Press <A-TOP> button:
Set FO2

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- **SET FO2 – AIR**
- Press <S-SIDE> button:
Set FO2 > Air/21-50%
- Press <A-TOP> button:
Set FO2 Default

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- **SET FO2 – NITROX**
 - *FO2 Set Point*
 - *PO2 Set Point*
 - *Max Operating Depth*
- Press <S-SIDE> button:
Set FO2 > Air/21-50%
- Press <A-TOP> button:
Set FO2 50% Default

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- **SET FO2 50% DEFAULT**
- Press <S-SIDE> button:
Toggle ON and OFF
- Press <A-TOP> button:
Set F - FO2

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- **SET A – ALARMS**
- Hold <S-SIDE> button:
Set U - UTILITIES
- Press <A-TOP> button:
Set Audible Alarm

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- **SET AUDIBLE ALARM**
- Press <S-SIDE> button:
Toggle ON and OFF
- Press <A-TOP> button:
Set Max Depth Alarm

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- **SET SCUBA MAX DEPTH ALARM**
- Press <S-SIDE> button:
Scroll 30 - 330 ft / 10 - 100m
- Press <A-TOP> button:
Set Elapsed Dive Time Alarm

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- **SET ELAPSED DIVE TIME ALARM**
- Press <S-SIDE> button:
Scroll :10 - 3:00
- Press <A-TOP> button:
Set Tissue Loading Bar
Graph Alarm

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- **SET TISSUE LOADING BAR GRAPH ALARM**
- Press <S-SIDE> button:
Scroll 5 – 1 segments
- Press <A-TOP> button:
Set Dive Time Remaining Alarm

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- **SET DIVE TIME
REMAINING ALARM**
- Press <S-SIDE> button:
Scroll :00 - :20
- Press <A-TOP> button:
Set Turn Pressure Alarm

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- **SET TURN PRESSURE ALARM**
- Press <S-SIDE> button:
Scroll OFF, 1000 – 3000
psi / 70 – 205 BAR
- Press <A-TOP> button:
Set End Pressure Alarm

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- **SET END PRESSURE ALARM**
- Press <S-SIDE> button:
Scroll 300 – 1500 psi / 20
– 105 BAR
- Press <A-TOP> button:
Set Max PO2 Alarm

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- **SET PO2 ALARM**
- Press <S-SIDE> button:
Scroll 1.20 – 1.60 ATA
- Press <A-TOP> button:
Set A - ALARMS

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- **SET U – UTILITIES**
- Hold <S-SIDE> button:
Set T - TIME
- Press <A-TOP> button:
Set Wet Activation

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- **SET WATER ACTIVATION**
- Press <S-SIDE> button: Toggle ON and OFF
- Press <A-TOP> button: Set Units

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- **SET UNITS**
- Press <S-SIDE> button:
Toggle Imperial and Metric
- Press <A-TOP> button:
Set Safety Stop Depth and Time

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- **SET SAFETY STOP – DEPTH AND TIME**
- Press <S-SIDE> button: Toggle OFF/3/5 minutes
- Press <A-TOP> button: Accept time
- Press <S-SIDE> button: Toggle 10/15/20 feet 3/4/5/6m
- Press <A-TOP> button: Set Conservative Factor

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- **SET CONSERVATIVE FACTOR**
- Press <S-SIDE> button: Toggle ON and OFF
- Press <A-TOP> button: Set Sampling Rate

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- **SET SAMPLING RATE (PC DOWNLOAD)**
- Press <S-SIDE> button: Toggle 2/15/30/60 seconds
- Press <A-TOP> button: Set Transmitter Link Code

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- **SET LINK CODE**
- Press <S-SIDE> button:
Scroll ON/OFF, 1 - 99999
- Press <A-TOP> button:
Set U - UTILITIES

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- **SET T – TIME**
- Hold <S-SIDE> button:
Mask ID
- Press <A-TOP> button:
Set Hour Format

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- **SET HOUR FORMAT**
- Press <S-SIDE> button:
Toggle 12 and 24
- Press <A-TOP> button:
Set Time

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- **SET TIME**
- Press <S-SIDE> button:
Set Hour
- Press <A-TOP> button:
Accept Hour
- Press <S-SIDE> button:
Set Minutes
- Press <A-TOP> button:
Set Date

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- **SET DATE**
- Press <S-SIDE> button:
Set Year
- Press <A-TOP> button:
Accept Year
- Press <S-SIDE> button:
Set Month
- Press <A-TOP> button:
Accept Month
- Press <S-SIDE> button:
Set Day
- Press <A-TOP> button:
Set T - Time

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- **MASK ID**
 - *Mask Firmware Revision*
 - *Mask Serial Number*
- Hold <S-SIDE> button:
Surface Main

Diving with the CompuMask



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CONTROL OF DISPLAYS

- During the dive, various displays of information are available. The screens may be accessed as often as desired by pressing and releasing the Advance (top) button momentarily (< 2 seconds). If the Advance button is not pressed again to access the next available screen, the display will revert to the Main Dive Mode Display after 5 seconds.
- The Select (right) button may be pressed and released to toggle the backlight on and off. It may also be held for 2 seconds to access the Set Backlight Intensity function.

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- **NORM DIVE – MAIN**
 - *Current Depth*
 - *Pressure*
 - *Dive Time Remaining*
 - *Tissue Loading Bar Graph*
 - *Air Time <if secondary>*
- Press <A-TOP> button: Alternate Display 1
- Press <S-SIDE> button: Toggle Backlight ON and OFF
- Hold <S-SIDE> button: Set GLO Level > Period
- Hold <A-TOP> button: Acknowledge Alarms

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- **NORM DIVE
ALTERNATE 1**
 - *Max Depth*
 - *Elapsed Dive Time*
 - *Air Time/NDC
Remaining*
- Press <A-TOP> button:
Alternate Display 2
- 5 second return to main

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- **NORM DIVE
ALTERNATE 2**
 - *PO2*
 - *F02 Set Point*
 - *O2 Bar Graph*
- Press <A-TOP> button:
Alternate Display 3
- 5 second return to main

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- **NORM DIVE
ALTERNATE 3**
 - *Time of Day*
 - *Temperature*
- Press <A-TOP> button:
Norm Dive Main
- 5 second return to main

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- **SAFETY STOP**
 - *Current Depth*
 - *Pressure*
 - *STOP Icon*
 - *Stop Depth*
 - *Countdown Timer*
 - *Tissue Loading Bar Graph*

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.

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- **DECO STOP – MAIN**
 - *Current Depth*
 - *Pressure*
 - *STOP Icon with Ceiling Indicator Arrows*
 - *Stop Depth*
 - *Countdown Timer*
 - *Tissue Loading Bar Graph*

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- **DECO STOP – ALTERNATE 1**
 - *Max Depth*
 - *Elapsed Dive Time*
 - *Air Time Remaining*
 - *Total Ascent Time*

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- **ASCENT ALARM**
 - *SLO Graphic alternates with Pressure*

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- **GAUGE MODE - MAIN**
 - *Current Depth*
 - *Pressure <EDT>*
 - *Air Time Remaining*
 - *GAU Graphic*
- Press <A-TOP> button:
Alternate Display 1
- Press <S-SIDE> button:
Toggle Backlight ON and OFF
- Hold <S-SIDE> button: Set
GLO Level > Period
- Hold <A-TOP> button:
Acknowledge Alarms

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- **GAUGE DIVE ALTERNATE 1**
 - *Max Depth*
 - *EDT <Pressure>*
 - *Air Time Remaining*
- Press <A-TOP> button:
Alternate Display 2
- 5 second return to main

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 CompuMask 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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