

VR NHeO. Quick Set-up Guide. 2009. V2.0

NHeO Quick Set-up Guide

Switches

On the left and right at the bottom are two black plastic slide switches which you use to navigate your way through the functions of the computer either on the surface or underwater.

The switches work in four ways, as follows:-

1. A short push and release of either switch
2. A push and long hold of one switch (hold the switch in until the screen changes.)
3. A short push of both switches.
4. A long push and hold of both switches (again, hold the switches in until the screen changes.)

In some cases 3 and 4 are shown as <> with the option between the arrows.

It is not necessary to turn the computer on before diving once all the settings are correct. It will automatically turn on at approximately 1.3 bar/ata absolute pressure.

Switching on

Your NHeO is activated by pushing and holding either switch. The first screen to be displayed will be the Home screen.



To change the Mini-Screen on the right hand side, do a short push of either arrow button. To select the menu do a short push of both buttons.

Setup



Selecting SETUP from the Mini-Screens in the Home Screen will give you access to a range of sub -menus, which allow you to configure the NHeO according to your personal preference. **This is where you set up your dive units, M or FT (Metric or USA). You can also set up your personal safety factor.**

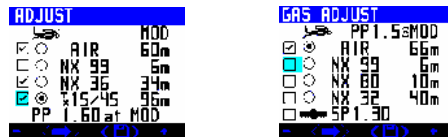
A short push of both switches moves the highlight to the next setting. A long push of both switches takes you back to the Home Screen.

When "Units" is highlighted, a short push of either the right-hand + or left-hand - switch will change the depth and temperature settings in your NHeO from metric (m) to imperial (ft) or vice versa.

When Safety is highlighted, a short push of + will increment the safety factor by 10. Safety factors are personal. You should apply additional safety if you are working hard on a dive, it is cold, you are tired, you plan long decompressions or if your physical fitness to dive is in question.

SELECT and ADJUST gases

From the Home screen, the SIMULATE screen and the Dive screen, you can access the gas features with a long push of the left - hand switch.



With a short push of both switches, a new field will be highlighted and can be adjusted using by a short push of either switch + or -.

The fields available are:

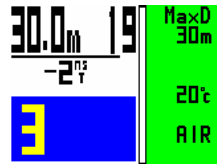
- A) Active gases. Tick all gases you want to use on this dive. All gases will be used in the decompression look -ahead.
- B) Current gas (the diver symbol). This is the gas you are breathing now.
- C) The oxygen and helium levels in the mix:-
 - Air is displayed as AIR. AIR cannot be changed.
 - Nitrox is displayed as NX followed by the oxygen fraction, (e.g. NX36)
 - Trimix is displayed as TX then the oxygen fraction followed by the helium fraction e.g. TX 18/35. The helium content setting can be reached by a short push of both switches after the oxygen content has been set, (as long as the Trimix activation PIN has been purchased and installed).

To change the gas content simply highlight the gas and use the +/- buttons.

- D) The MOD: As you change the MOD the PP (PO₂) will adjust accordingly.
- E) Closed circuit mode (as long as the closed circuit activation PIN has been purchased and installed.) Current fixed PO₂ setpoint can be adjusted by increasing or decreasing PO₂ by 0.05 bar with use of the +/- buttons.

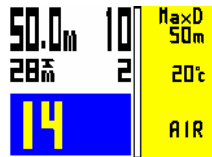
How to read the Dive Screen.

Open Circuit Diver – No Decompression Screen



This dive screen shows;
The diver has no decompression burden – hence the green colour on the right of the screen.
The diver is at 30m and is 19 mins into his dive.
The maximum depth he has reached on the dive is 30m
He can spend a further two minutes at this depth before he goes into deco. In other words his no stop time (NST) is two minutes.
He is using air and diving on open circuit.
It will take him three minutes to reach the surface at a rate of 10m per minute. In other words his Time To Surface (TTS) is 3 minutes.

Open Circuit Diver – Decompression Screen



This dive screen shows;
The diver has a decompression burden – hence the yellow colour on the right of the screen.
The diver is at 50m and is 10 mins into his dive.
The maximum depth he has reached on the dive is 50m
His first decompression stop is 2 minutes at 28m.
He is using Air and is diving on open circuit.
It will take him fourteen minutes (14 TTS) to reach the surface at an ascent rate of 10m/30ft per minute and including required decompression stops. In other words his Time To Surface (TTS) is 14 minutes.
The dark colour on the graph shows the track of the dive so far. The light colour shows a profile of the ascent the diver should make if he ascends now.

Note to that when in deco the top line of the right side of the screen will alternate between “MaxD” and “deco!”

For all other set-up and usage information please see the full Operations Manual