DIVE BRAIN DB-01
English User Guide

Applicable SW version: DBL070

Version number: V 2.0
Update date: 2024/08/22

Whatsapp help line
+420 603 230 941 (only messages and pictures)

DIVE BRAIN (DB-01) English User Guide

Contents

1. Diving Safety Guide

1.1 ⚠ Please ensure that you fully understand how to use your dive equipment and the DIVE BRAIN (DB-01) dive function and what the information displayed on this product means. If you have any questions about this product, please always contact your DIVEBRAIN/SOPRAS dealer for answers prior to your diving activity and use. Remember, your safety is your responsibility, so please pay attention to all details and do not ignore any signs of discomfort!

1.2 ⚠ Please be sure to read and thoroughly understand the entire contents of the DIVE BRAIN (DB-01) Diving Instruction Manual. Any confusion or negligence, failure to follow the contents of the Instruction Manual, or failure to follow normal operating practices may result in serious injury to life or even death.

1.3 ⚠ The DIVE BRAIN (DB-01) diving function is designed for recreational diving use only, and DIVEBRAIN/SOPRAS strongly advocates that this device should not be used for commercial or professional diving activities. Anyone engaged in commercial or professional diving is often exposed to depths and conditions beyond those for which the watch was designed, which may result in the occurrence of Decompression Illness (DCI).

1.4 ⚠ This product is not a substitute for formal diving education and training. Only divers who have received formal training from a professional dive operator and know how to operate the dive equipment should use this product.

1.5 ⚠ Each dive may carry a risk of decompression sickness and even if you follow your dive plan or the calculations of the dive plan and dive information shown on this product, the product cannot anticipate and measure changes in individual physiology. Therefore, divers should try to stay within the limits indicated by the product.

1.6 ⚠ It is recommended that you seek the consent of your physician before engaging in diving activities. There is no algorithm, formula, theorem, dive computer or dive program that can completely eliminate the chance of decompression sickness or oxygen toxicity. Individual physiology varies depending on environmental factors and therefore this product cannot fully protect you from injuries associated with diving activities.

"The best way to completely avoid injuries associated with diving activities is not to engage in them."

1.7 ⚠ This product is not guaranteed to be in full functional condition at all times. Always carry a depth gauge, pressure gauge, timer and hand gauge as backup instruments and always compare your dive plan and check the remaining residual pressure.

1.8 ⚠ This product is factory tested to a depth of 100 m/330 ft and is intended for recreational diving only. DIVEBRAIN/SOPRAS strongly recommends that recreational divers do not exceed the maximum depth of 40 m/131 ft specified for recreational diving (air diving), or the maximum depth allowed by your dive

training, and do not use it in diving environments where you are not trained to dive within the depth limits of your training.

"Your safety is your own responsibility, and to challenge risk is to challenge your luck."

1.9 ⚠ DIVEBRAIN/SOPRAS strongly discourages recreational divers from engaging in diving activities that require the performance of decompression, or diving above the No Decompression Limit (NDL). Decompression diving activities require specialist training and an adequate air supply.
As soon as you exceed the NDL or the product signals that you are recommended to perform a decompression dwell, you should immediately stop diving and begin a slow rise and decompression procedure. Please pay close attention to the flashing digits, warning tone and vibration warning, and pay attention to the ascent speed, dwell depth and time of the product, there may be multiple recommended dwell depths and times, we suggest you follow the instructions and complete the dwell.

1.10 ⚠ This product can assist in calculating dive no-decompression limits etc., but it does not mean that you can skip the dive planning process etc. If your dive plan is more conservative, please always give priority to your dive plan.

1.11 ⚠ To ensure that the display of the product is correct and complete, before each dive, you should start the product correctly and check its functions, and make sure that the battery power is sufficient, the oxygen concentration setting, the personalization setting, and adjust other settings to make sure they are compatible with your dive plan.

1.12 ⚠ Any diving activity undertaken prior to the first activation of this product may result in misleading information. If the product is left on the surface and not dived with the diver, the dive computer meter will not provide accurate dive planning and dive information calculations for subsequent dives.

1.13 ⚠ Divers must not exchange or share this product with each other, and their internal dive information must match the original user in order to ensure the correctness of the dive plan and dive information displayed subsequently; their internal information cannot be transferred to divers who do not wear it in its entirety, and it cannot be used for subsequent repeat dives.

1.14 ⚠ Before diving, please make sure that the settings of this product are correct and fit your dive plan, e.g. the oxygen ratio of the gas to be used, and input them into this product. Failure to personally confirm the contents of the oxygen cylinder, or to set the correct personalized adjustment settings, may result in incorrect calculation of the dive plan and dive information, and in severe cases may result in the diver's life being in danger.

1.15 ⚠ The input value of the oxygen concentration percentage of this product is only accepted as an integer, please do not remove the decimal point by yourself when inputting. The recommended input method is the unconditional rounding method, for example, if your cylinder measurement is 31.8%, please input the oxygen concentration value: 32%. The decimal point will be underestimated and will result in incorrect calculation of the dive information, which may lead to

life threatening divers.

1.16 ⚠ Divers should avoid flying during the period when this product shows the proposed no-fly countdown. You should also check that the ban is lifted before flying. Flying or traveling to high altitude areas during the no-fly period may significantly increase the risk of developing decompression sickness. Please review the recommendations of the Diver Alert Network (DAN).

1.17 ⚠ This device contains a lithium battery. To avoid the risk of fire or combustion, do not attempt to disassemble, crush, puncture, or throw the device into a fire or leave it in water for a long period of time. If the device is damaged and you wish to dispose of it, please dispose of it properly or recycle it in accordance with the regulations in your area.

2. Getting Started Guide

2.1 Maintenance

1. Storage: Please keep this product in a cool place, do not place it in a dangerous environment, squeeze, heavy pressure, high temperature, low temperature, high humidity, easy to drop, heavy impact, etc. If the product is not used for a long time, please make sure that the power supply is at least 50%, and check and charge it regularly. If the battery capacity and voltage are not used for a long time, it may cause irreversible damage to the battery.
2. Do not disassemble the body or case of this product by yourself.
3. After use: Make sure to soak and rinse the product with water after use, especially underwater or in seawater.
   The recommended cleaning method is.
   - Remove the watch from your hand and gently grasp it by the strap to place the entire product in the water.
   - Soak in water for about three to five minutes and then shake gently in the water to allow water to flow into the crevices to clean the salt.
   - Please do not hit the water vigorously.
   - Do not use strong water jets to rinse.
   - Do not use any cleaning solvent other than water to clean.
   - After cleaning, put it back on your hand or leave it in the shade to dry naturally.
   - After cleaning, please make sure that the charging hole is free of water and completely dry before charging, otherwise there will be a risk of short circuit or electric shock.

2.2 Charging and installing the strap band

1. Please install the charging clip and charging cable to a USB output power source, such as a mobile phone charger, mobile power, etc.
2. Please make sure that your power output device is a safe and qualified product. Do not use a product from an unknown source or without safety certification regulations.
3. After confirming that the charging clip is connected to the power source, open the charging clip and confirm the direction of the charging point.
4. When the device is connected to the power source, the battery status will be displayed on the screen.
5. Charging time is recommended to be about one to three hours, and may take longer for weaker transformers
6. The strap band can easily be removed using the pin in the picture

	Time Screen (Start Screen)
  Digital time screen (start screen) Pointer time screen (start screen)	Start screen, the watch-face can enter the settings to change. (Path: Settings > Set System > Watch Face) **Access**: Power on or press the back button on any screen to exit to the top level. **Icon** : Surface interval : **SI** Shows the current surface interval time. **Please note:** **Before starting the diving activity, please make sure that the required setting information of this product has completed the relevant settings, and return to the watch mode, to confirm that the product has been correctly powered on and then enter the water, in order to correctly enter the water and automatically start.**

2.3 Wearing DIVE BRAIN (DB-01)

1. The GPS antenna is hidden underneath the screen. It is recommended to keep the antenna pointing upwards to get a better signal when wearing it.
2. Because of the correctness of the optical heart rate component, please wear it 1-2 cm behind the wrist joint.
3. Avoid wrist rotations and palm opening and closing movements that will tug on the wrist muscles at the beginning of the measurement.

2.4 Forced Shutdown

When your DIVE BRAIN (DB-01) is off, just press and hold the power button at the bottom left corner for about 15-20 seconds, the DIVE BRAIN (DB-01) will turn off forcibly, press the power button again and it will turn on normally. If there is no response, it is possible that your DIVE BRAIN (DB-01) has run out of power. Please connect the charging clip to your watch and let it charge for about 5 minutes and try again.

2.5 Buttons

Button		Function
①	Backlight	-backlight On/Off -press and hold for two seconds for the backlight to stay on
②	Back	-return -power switch : press for turn on and long press for turn off
③	Up	-move up
④	Mode	-mode selection -confirm selection
⑤	Down	-move down

3.Watch Mode

3.1 Screen and Function

<table>
<tr>
<td colspan="2" align="center">3.1Screen Functions</td>
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Digital time screen (start screen)

Pointer time screen (start screen)

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<td>

Time Screen (Start Screen)

Start screen, the watch-face can enter the settings to change.
(Path: Settings > Set System > Watch Face)

Access: Power on or press the back button on any screen to exit to the top level.

Icon :

Surface interval : SI
Shows the current surface interval time.

<strong style="color:red">Please note:
<strong style="color:red">Before starting the diving activity, please make sure that the required setting information of this product has completed the relevant settings, and return to the watch mode, to confirm that the product has been correctly powered on and then enter the water, in order to correctly enter the water and automatically start.

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  Digital time screen (start screen) : After Scuba and Gauge Mode Pointer time screen (start screen) : After Scuba and Gauge Mode	**Time Screen (Start Screen)** **After Scuba and Gauge Mode** **Icon :** 1.Surface interval : **SI** Shows the current surface interval time. 2.No-fly time : If this symbol appears, you are still within the no-fly time after a dive, so do not travel by air or go to higher altitudes. Please refer to historical records and version information for exact no-fly times. 3.No-dive time : If this symbol appears, it means you are still in the no-dive time after the dive, please do not dive again. Please refer to your dive history and version information for the exact no-dive time. **Meanwhile, you will not be able to use the following functions:** **Scuba Mode, Tec Mode, Freediving Mode, Plan Mode.**
  Digital time screen (start screen) : Located in a high altitude environment Scuba Mode - Surface Preview : Located in a high altitude environment	**High Altitude Environment** Altitude Diving will apply automatically in the environment of barometric pressure lower than 950 mBar for more than 5 minutes. Icon ⌃⌃ will show in Watch Mode and Pre-Dive Mode.
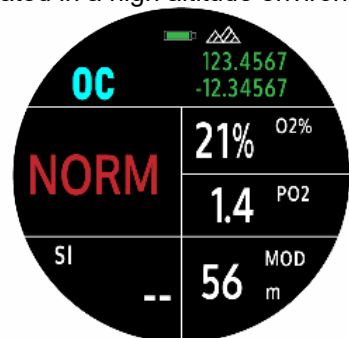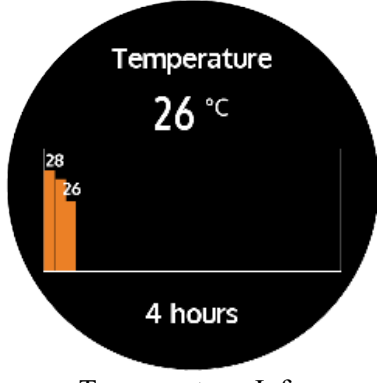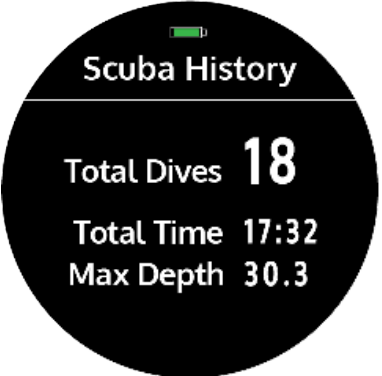
3.2 Information Page

3.2 Information Page	
 Compass Info	**Compass Info** **Access** : Press the UP button once in watch mode to access. To view the compass information, please follow the instructions on the watch screen to calibrate the compass first. This compass information page will also be used for GPS positioning. When the GPS positioning is completed, the latitude and longitude will be displayed below the bearing angle digit.
 Temperature Info	**Temperature Info** **Access** : Press the UP button twice in watch mode to access. The temperature information shows the current temperature and provides the temperature variations within four hours.
 Battery and Time Info	**Battery and Time Info** **Access** : Press the UP button five times in watch mode to access. **Icon :** 1. **98%** : Battery current power in percentage 2. **19:14:52** : Current time（hh：mm：ss） 3. **Sunrise 06:25** : Sunrise time today 4. **Sunset 17:06** : Sunset time today 5. **25.9** : Current temperature For time settings, please refer to **6.3 System Settings**.
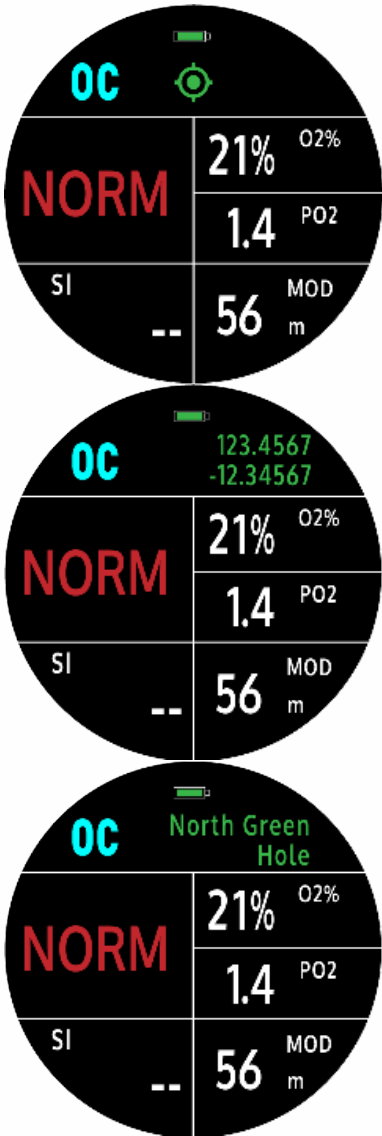
3.3 History Record

3.3 History Record	
 Last Dive Log	**Last Dive Log** **Access** : Press the DOWN button once in watch mode to access. **Icon** : (Hours: Minutes) 1. **Year, month and day**: the last dive log out of the water 2. **SI**: Surface interval time accumulation 3. **No Fly**: No-fly time countdown 4. **NO Dive**: No-dive time countdown
 Scuba History	**Scuba History** **Access** : Press the DOWN button twice in watch mode to access. **Icon** : 1. **Total Dives** : All scuba logs accumulation 2. **Total Time** : The cumulative time log of all scuba dives 3. **Max Depth** : the maximum depth in all scuba diving logs
 Freediving History	**Freediving History** **Access** : Press the DOWN button three times in watch mode to access. **Icon** : 1. **Total Dives** : All freediving logs accumulation 2. **Longest Time** : The longest time in all freediving logs 2. **Max Depth** : The maximum depth in all freediving logs

4. Diving Mode

4.1 Scuba Mode

4.1.1 Scuba Mode Screen and Function

4.1.1 Scuba Mode Screen and Function	
Scuba Mode - Surface Preview	**Scuba Mode - Surface Preview** **Icon** : OC : abbreviation of Scuba mode, open-circuit Scuba. : is in the process of obtaining the surface position of the entry point or the dive spot info by satellite positioning. The coordinates of latitude and longitude or the name of the dive spot will be displayed after the positioning is completed. The surface GPS function is only available for firmware CR5058 and above. NORM : Conservatism level Default: Normal (NORM). Available values: conservative (CONS), normal (NORM), and aggressive (AGGR). O$_2$% : Oxygen percentage value. PO2 : Current setup of PPO2 (partial pressure of oxygen). Default: 1.4 / Setup range: 1.0 - 1.8 SI : current surface interval time. (less than 10 hours: HOUR:MINUTE After 10 hours: HOUR After 24 hours: --) MOD : Maximum Operating Depth suggestions. Based on the set PO2 and the oxygen concentration value of the gas used, the maximum depth that the diver is allowed to dive to is calculated.

Surface Preview Twist-to-next Info - SI/MOD **Surface Preview Twist-to-next Info - Bearing** **Surface Preview Twist-to-next Info - Tissue Concentration**	## Scuba Dive Mode - Surface Preview Twist-to-next Info **Description：** Twist-to-next feature detects a rotation of your wrist and helps you turn the page automatically without pressing a button while diving. This feature is on by default and can be turned off. (Path: Settings＞Set dive＞Twist to Next) Press the mode button to view other information pages. Surface preview information: SI/MOD, Bearing, Tissue Concentration. **Icons：** 237°：the current pointing direction. TISS%: 16 tissue concentration status.
Scuba Mode - Underwater	## Scuba Mode - Underwater **Description：** 020.6m：Current Depth **NDL：The Non-Decompression Limit time in minutes, will show 99 when NDL exceeds 99 minutes.** ⋀ ：Ascent speed (3 means 3 m/min). **If it exceeds 10 meter/minutes, there will be an alarm warning (short beeping repeated) with vibration.** ⋁ ：Descent speed（3 means 3 m/min） NO arrow icon: Diver is stationary. **09:25：Current time.** **TIME：Dive time.** TEMP：Water temperature.

 Underwater Twist-to-next Info - Dive Time/ Water Temperature Underwater Twist-to-next Info - Bearing Underwater Twist-to-next Info - Tissue Concentration	**Scuba Dive Mode -** **Underwater Twist-to-next Info** **Description：** Twist-to-next feature detects a rotation of your wrist and helps you turn the page automatically without pressing a button while diving. This feature is on by default and can be turned off. (Path: Settings＞Set dive＞Twist to Next) Press the mode button to view other info pages. Underwater information: Dive Time/ Water Temperature, Bearing, Tissue Concentration. **Icons：** 237°：the current pointing direction. TISS%: 16 tissue concentration status.
 Scuba Mode – Safety stop (When the NDL has not been exceeded)	**Scuba Mode – Safety stop** **(When the NDL has not been exceeded)** **Description：** 004.6m：Current Depth **STOP：When divers ascend to 5m (16.4 ft), the diver computer will start a Safety Stop countdown automatically.** If the diver does not complete Safety Stop and ascent, there will be an alarm warning (short beeping repeated) with vibration, **and this dive will end according to Log Stop settings.** TIME: Dive time. CEILING: The depth at which divers should ascend to and remain. TEMP：Water temperature.

	Scuba Mode – Safety stop finished (When the NDL has not been exceeded)
 Scuba Mode – Safety stop finished (When the NDL has not been exceeded)	**Description：** **CLEAR: When divers finish Safety Stop at the CEILING depth, the dive computer will show the word CLEAR indicating that it is OK to perform a slow ascent to the surface.** **When the safety stop is completed, the watch will vibrate twice, long buzz and the CLEAR will flicker twice.** ⋀ ：Ascent speed (03 means 3 m/min). ⋁ ：Descent speed（03 means 3 m/min） NO arrow icon: Diver is stationary. **09:25：Current time.** **TIME：Dive time.** TEMP：Water temperature.
	Scuba Mode – Underwater When the NDL has been exceeded (first three minutes)
 Scuba Mode – Underwater When the NDL has been exceeded (first three minutes)	**Description：** **NDL：The Non-Decompression Limit time in minutes, will show 99 when NDL exceeds 99 minutes.** **If it reaches 4 minutes remaining, there will be an alarm warning (short beeping repeated) with vibration. Divers should ascend slowly and end your dive.** **When exceeds NDL time, the first 3 minutes will be shown in:** **- minutes: seconds** CEILING: The depth at which divers should ascend to and remain when they are required to perform decompression stops.

020.6 m DECO CEILING **-4** **9** m TIME 24 ⌃ 3 Scuba Mode – Underwater When the NDL has been exceeded (after three minutes)	**Scuba Mode – Underwater** **When the NDL has been exceeded** **(after three minutes)** **Description :** **DECO : The time has exceeded the NDL.** When time passes over 3 minutes, it will show in: - minutes. CEILING: The depth at which divers should ascend to and remain when they are required to perform decompression stops.
012.6 m STOP CEILING **0:16** **12** m TIME TEMP 24 27.5 °C Scuba Mode – Underwater When exceeding the NDL and ascent to ceiling depth.	**Scuba Mode – Underwater** **When exceeding the NDL and ascent to ceiling depth.** **Description:** **STOP: (Decompression Stop)** **After reaching CEILING depth, the remaining amount of time indicated on the screen will be displayed as a countdown timer. Please remain at the ceiling depth the entire duration indicated by the countdown timer if you have enough air and no other potential risks are evident.** If you do not remain at the ceiling depth for the entire duration indicated by the countdown timer, there will be an alarm warning (short beeping repeated) with vibration. **CEILING: The depth at which divers should ascend to and remain when they are required to perform all decompression and safety stops.**

	Scuba Mode – Underwater
010.6 m **STOP** 0:16 **OVER** 12 m **TIME** 24 **TEMP** 27.5 °C Scuba Mode – Underwater When reaching the depth indicated for Decompression/Safety Stop or Decompression Stop but no Stops are performed	**Scuba Mode – Underwater When reaching the depth indicated for Decompression/Safety Stop or Decompression Stop but no Stops are performed** **Description:** **OVER : After reaching the depth indicated for Safety Stop/Decompression Stop but divers do not perform Stops, it will blink and there will be an alarm warning (short beeping repeated) with vibration.** **Please remain at the ceiling depth the entire duration indicated by the countdown timer if you have enough air and no other potential risks are evident.**
004.1 m **CLEAR** ⌃ 1 1.14 PO2 **TIME** 24 **TEMP** 27.5 °C Scuba Mode – Underwater When exceeding the NDL, and Decompression or Safety Stop at CEILING depth has ended.	**Scuba Mode – Underwater When exceeding the NDL, and Decompression or Safety Stop at CEILING depth has ended.** **Description:** CLEAR: When divers finish all decompression and safety stops at ceiling depth, it will show CLEAR and indicate divers can now slowly ascend to the surface. **PO2: when accumulated PO2 calculation exceeds your PO2 setting, it will show the current accumulated PO2 value.** **If accumulated PO2 calculation does not exceed your PO2 setting, it will show current time.**
000.0 m **CLEAR** 0 09:58 **TIME** 34 **TEMP** 27.5 °C Scuba Mode – Return to the Surface	**Scuba Mode – Return to the Surface** When you return to the surface, the dive will be automatically ended according to the Log Stop time setting, you cannot use any button to stop or exit before the recording is completed.
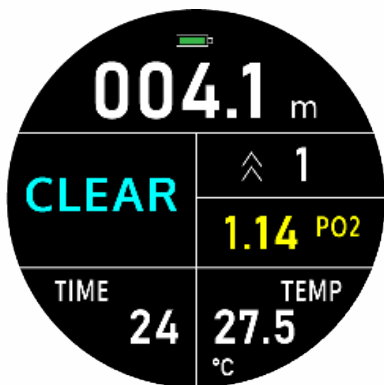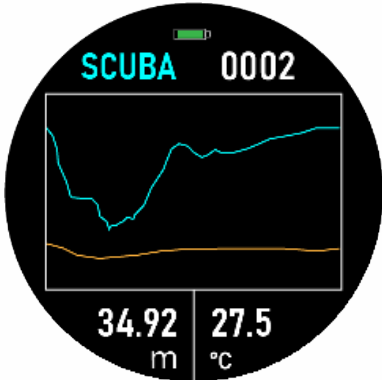
 Scuba Mode – Dive End and Positioning	**Scuba Mode – Dive End and Positioning** After the dive is ended, a 1-minute positioning will start to obtain the location of the water exit point. Please do not use any button before completing the positioning.
 Scuba Mode – Scuba End	**Scuba Mode – Dive End** Screen will show Dive Profile of current dive for approximately 1 minute. To check entire history dive logs and dive profiles, select the log and press the DOWN button to go to the second page to view.
 Scuba Mode – No Diving	**Scuba Mode – No Diving** **If NO DIVE recommendation time countdown shows on the screen, DO NOT continue diving activities.** For an exact NO DIVE recommendation time countdown please check the Dive History page. **Note:** **Scuba Mode, Tec Mode, Freediving Mode and Plan Mode will remain locked during NO DIVE time.**

Decompression Diving Warning for Recreational Divers:
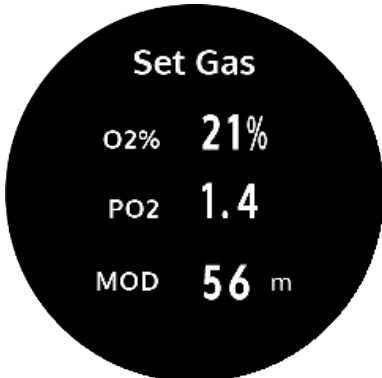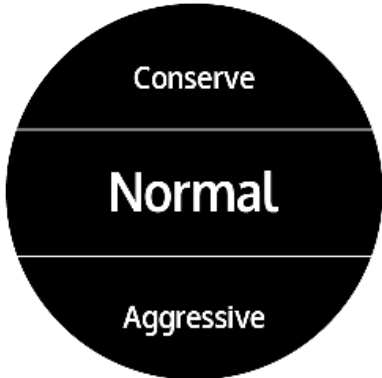
Decompression options provided by dive computer and presented in this user manual should only be used as emergency procedures when a NDL limit has been accidentally surpassed.

It is important to remember that decompression stops are driven by both depth and NDL violations. It is possible to see several decompression stop indications at different CEILING depths and different times depending how severe the depth and NDL violations have been.

Decompression diving is not an activity that should be performed by recreational divers as a standard practice. Decompression diving requires extensive training, deep knowledge of diving physics and diving physiology and several pieces of extra gear and sufficient gas supply to safely perform the required decompression stops.

We strongly discourage recreational divers from performing decompression diving.

4.1.2 Scuba Mode Settings

Path：
1. Menu > Settings > Set Dive > Scuba
2. Menu > Diving > Scuba > Press the UP button > Scuba Quick Setup

Set Gas

Set Gas

After entering this setting, press the up/down button to select the O2 value after it blinks, then press the mode button to confirm the setting value and stop blinking to set the PO2 value.

After the PO2 value blinks, press the up/down button to select the setting value, then press the mode button to confirm the setting value and stop blinking to complete the setting.

Please note:
1. To change this O2 value, please make sure to measure and confirm the oxygen percentage of the gas cylinder you are using. You need to have the relevant license and professional training in the use of high oxygen gas, and understand the risks of using high oxygen gas.
2. Before changing the PO2 value, please make sure you understand the possible risks associated with the change.

Conservatism

Conservatism

A conservativeness scale can be selected here.

WARNING:
Please make sure you fully understand that changing this setting will affect algorithm calculations and the related risks.

Sdepth-alarm ON **40** m Scuba Depth Alarm	## Scuba Depth Alarm After entering this setting, press the up/down button to select on after the blinking, then press the mode button to confirm the setting value and stop blinking to set the depth; if you select off, the depth cannot be set. After the depth blinks, press the up/down button to set value, then press the mode button to confirm the set value and stop blinking to complete the setting.
Stime-alarm ON **60** MIN Scuba Time Alarm	## Scuba Time Alarm After entering this setting, press the up/down button to select on after the blinking, then press the mode button to confirm the setting value and stop blinking to set the time; if you select off, the depth cannot be set. After the time blinks, press the up/down button to set value, then press the mode button to confirm the set value and stop blinking to complete the setting.
Sampling **10** SEC Sampling	## Sampling Set the dive log sampling frequency. Default: 10 seconds **Please note:** This setting will be automatically synchronized to the Gauge Mode.
Log Stop **1** MIN Log stop	## Log stop Set the dive log end time. Default: 1 minute

4.2 Tec Mode

4.2.1 Tec Mode Screen and Function

4.2.1 Tec Mode Screen and Function	
 Tec Mode - Surface Preview	**Tec Mode - Surface Preview** **Icon** : TEC : abbreviation for Technical Diving Mode. ![icon] : is in the process of obtaining the surface position of the entry point or the dive spot info by satellite positioning. The coordinates of latitude and longitude or the name of the dive spot will be displayed after the positioning is completed. The surface GPS function is only available for firmware CR5058 and above. AIR BTM : AIR 21% Default: 21%(AIR). Available values: 22-99%(EAN), Trimix (TX). GF : Gradient Factor Default: 40/85. Available values: 30-99%(High), 10-99% (Low). SI : current surface interval time. (less than 10 hours: HOUR:MINUTE After 10 hours: HOUR After 24 hours: --)
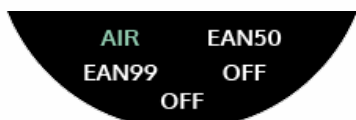
 Surface Preview Info - Gas List Surface Preview Info - M Value Surface Preview Info - Compass Surface Preview Info - MOD	**Tec Mode - Surface Preview Info** **Description：** Press the up/ down button to turn the information. Surface preview information: Gas List, M-value, Compass, MOD (Maximum Operating Depth). **Icons：** %MV: Tissue concentration status. 237°：The current pointing direction. MOD：Maximum Operating Depth suggestions. Based on the set PO2 and the oxygen concentration value of the gas used, the maximum depth that the diver is allowed to dive to is calculated.
 Tec Mode - Underwater	**Tec Mode - Underwater** **Description：** 020.6m：Current Depth **NDL : The Non-Decompression Limit time in minutes, will show 99 when NDL exceeds 99 minutes.** ⋀ ：Ascent speed (3 means 3 m/min). **If it exceeds 10 meter/minutes, there will be an alarm warning (short beeping repeated) with vibration.** ⋁ ：Descent speed（3 means 3 m/min） NO arrow icon: Diver is stationary. AIR：Current gas being used. **TIME：Dive time.** TEMP：Water temperature.
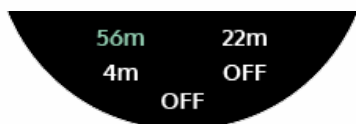
Underwater Info - Dive Time/ Water Temperature	**Tec Mode - Underwater Info**
	Description :
	Press the up/down button to view other info pages.
Underwater Info - Switch Gas	Underwater information: Dive Time/ Water Temperature, Switch Gas, M-Value, Compass, Current Time/TTS
	Icons :
	AIR: Current gas being used.
Underwater Info - M-Value	%MV: Tissue concentration status.
	237° : The current pointing direction.
Underwater Info - Compass	
Underwater Info - Current time / TTS	
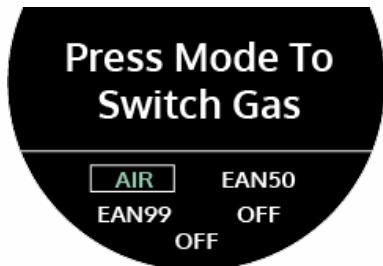
Tec Mode - Gas Switch
(Before switching)

Tec Mode - Gas Switch
（Switching）

Tec Mode - Gas Switch
（Current depth exceeds the MOD of the
selected gas）

Tec Mode - Switch Gas

Description：

Use the mode button to enter the switch gas page. The gas list will display the set gases. Select the gas to switch using the up and down button, and confirm the switch with the mode button.

Icons：

AIR：Current gas being used.

EAN50：Carried gas1.

EAN99：Carried gas2.

OFF：No Carried gas.

MOD：Maximum Operating Depth suggestions. Based on the set PO2 and the oxygen concentration value of the gas used, the maximum depth that the diver is allowed to dive to is calculated.

22m：MOD of the selected gas.

⚠ : If the current depth exceeds the MOD of the selected gas, a warning icon will be displayed.

Tec Mode - Underwater When the NDL has been exceeded	**Tec Mode - Underwater When the NDL has been exceeded** **Description :** **STOP : Depth and time required for decompression stops.**
Tec Mode - Underwater When the MOD has been exceeded	**Tec Mode - Underwater When exceeding MOD** **Description :** STOP: After reaching CEILING depth, the remaining amount of time indicated on the screen will be displayed as a countdown timer. Please remain at the ceiling depth the entire duration indicated by the countdown timer if you have enough air and no other potential risks are evident. **MOD: If your current depth exceeds the MOD for using gas, MOD and the gas used will be displayed alternately.** If depth does not exceed MOD, it will show current time.
Tec Mode - Underwater Recommended Gas Switch	**Tec Mode - Underwater Recommended Gas Switch at Current Depth** **Description :** The dive computer can determine the recommended gas for the current depth. Press the down button to switch to the recommended gas page, or press the back button to decline the switch. The recommended gas is determined based on the current depth and the gas list.

013.6 m STOP OVER ∧ 03 **15** m **1** min EAN50 TIME **39** :03 TEMP **27.5** °C Tec Mode - Underwater When reaching the depth indicated for Decompression Stop but no Stops are performed	**Tec Mode - Underwater** **When reaching the depth indicated for** **Decompression Stop but no Stops are** **performed** **Description:** **OVER : After reaching the depth indicated for Safety Stop/Decompression Stop but divers do not perform Stops, It will remain displayed on the screen.** **Please remain at the ceiling depth the entire duration indicated by the countdown timer if you have enough air and no other potential risks are evident.**
005.6 m CLEAR ∧ 03 EAN50 TIME **59** :03 TEMP **27.5** °C Tec Mode - Underwater When exceeding the NDL, and Decompression Stop at CEILING depth has ended.	**Tec Mode - Underwater** **When exceeding the NDL, and Decompression Stop at CEILING depth has ended.** **Description:** CLEAR: When divers finish all decompression and safety stops at ceiling depth, it will show CLEAR and indicate divers can now slowly ascend to the surface.
000.0 m CLEAR ∧ 03 EAN50 TIME **59** :03 TEMP **27.5** °C Tec Mode - Return to the Surface	**Tec Mode - Return to the Surface** **Description:** When you return to the surface, the dive will be automatically ended according to the Log Stop time setting, you cannot use any button to stop or exit before the recording is completed.

Tec Mode - Dive End and Positioning	**Tec Mode - Dive End and Positioning** **Description:** After the dive is ended, a 1-minute positioning will start to obtain the location of the water exit point. Please do not use any button before completing the positioning.
Tec Mode - Dive End	**Tec Mode - Dive End** **Description:** Screen will show Dive Profile of current dive for approximately 1 minute. To check entire history dive logs and dive profiles, select the log and press the DOWN button to go to the second page to view.
Tec Mode - No Diving	**Tec Mode - No Diving** **If NO DIVE recommendation time countdown shows on the screen, DO NOT continue diving activities.** For an exact NO DIVE recommendation time countdown please check the Dive History page. **Note:** **Scuba Mode, Tec Mode, Freediving Mode and Plan Mode will remain locked during NO DIVE time.**

4.2.2 Tec Mode Settings

4.2.2 Tec Mode Settings
Path : 1. Menu > Settings > Set Dive > Tec 2. Menu > Diving > Scuba > Press the MODE button > Tec Quick Setup

Gas List
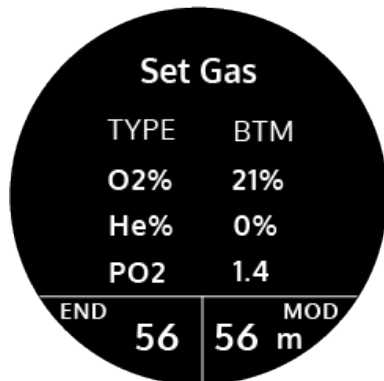
Gas List

After entering the gas list, select a gas by pressing the up/down keys and confirm by pressing the mode button. In the gas settings, you can choose the type of gas. After the gas type value starts flashing, select the desired value using the up/down keys and confirm by pressing the mode button. You can set the oxygen concentration, helium concentration, and PO2 value.

Icons:

A：Active gas

Please note:
1. To change this O2 and Helium value, please make sure to measure and confirm the oxygen percentage of the gas cylinder you are using. You need to have the relevant license and professional training in the use of high oxygen gas, and understand the risks of using high oxygen gas.
2. Before changing the PO2 value, please make sure you understand the possible risks associated with the change.

Set Gas
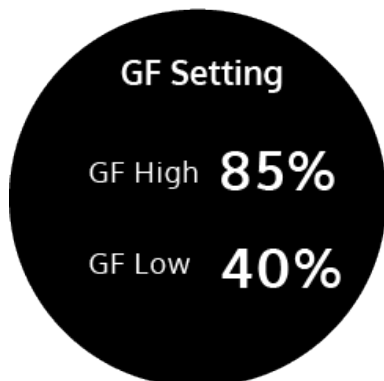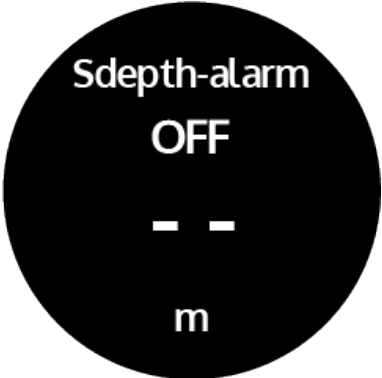
GF Setting

GF can be selected here.
Default: 40 / 85. Setup range:30-99%(High), 10-99%(Low)。

WARNING:
Please make sure you fully understand that changing this setting will affect algorithm calculations and the related risks.
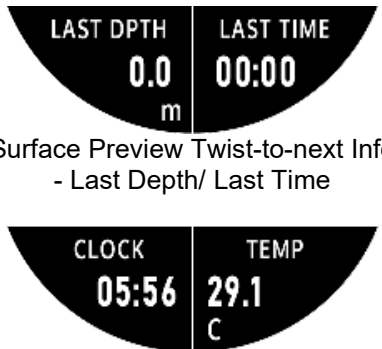
GF Setting
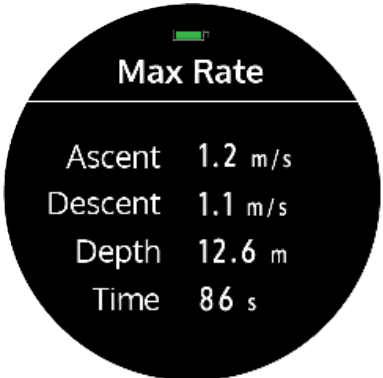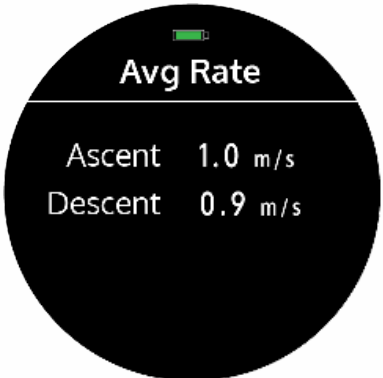
Sdepth-alarm **OFF** **- -** **m** Depth Alarm	### Depth alarm After entering this setting, press the up/down button to select on after the blinking, then press the mode button to confirm the setting value and stop blinking to set the depth; if you select off, the depth cannot be set. After the depth blinks, press the up/down button to set value, then press the mode button to confirm the set value and stop blinking to complete the setting. Default: Off
Stime-alarm **OFF** **- -** **MIN** Time Alarm	### Time alarm After entering this setting, press the up/down button to select on after the blinking, then press the mode button to confirm the setting value and stop blinking to set the time; if you select off, the depth cannot be set. After the time blinks, press the up/down button to set value, then press the mode button to confirm the set value and stop blinking to complete the setting. Default: Off
Sampling **10** **SEC** Sampling	### Sampling Set the dive log sampling frequency. Default: 10 seconds **Please note:** This setting will be automatically synchronized to the Scuba and Gauge Mode.
Log Stop **1** **MIN** Log Stop	### Log stop Set the dive log end time. Default: 1 minute

4.3 Freediving Mode (Free Mode)

4.3.1 Freediving Mode Screen and Function

<table>
<tr>
<td colspan="2" align="center">4.3.1 Freediving Mode Screen and Function</td>
</tr>
<tr>
<td>

Freediving Mode - Surface preview

</td>
<td>

Freediving Mode - Surface preview

Description：

FD：abbreviation of Freediving mode.
The Freediving Sampling Rate is 0.5 seconds fixed by default.

000：Total freediving counts within 12 hours

 ：is in the process of obtaining the surface position of the entry point or the dive spot info by satellite positioning.
The coordinates of latitude and longitude or the name of the dive spot will be displayed after the positioning is completed.
The surface GPS function is only available for firmware CR5058 and above.

SI：Surface Interval（MINUTE : SECOND）

LAST DPTH：Max Depth of previous dive

LAST TIME: Dive Time of previous dive

</td>
</tr>
<tr>
<td>

Surface Preview Twist-to-next Info
- Last Depth/ Last Time

Surface Preview Twist-to-next Info
- Clock(current time)/ Water Temperature

</td>
<td>

**Freediving Mode -
Surface Preview Twist-to-next Info**

Description：

Twist-to-next feature detects a rotation of your wrist and helps you turn the page automatically without pressing a button while diving.

This feature is on by default and can be turned off.
(Path: Settings＞Set dive＞Twist to Next)

</td>
</tr>
</table>

	Press the mode button to view other information pages. Surface preview information: Last Depth/ Last Time, Clock(current time)/ Water Temperature.
 Freediving Mode - Underwater	**Freediving Mode - Underwater** **Description :** 27.5c : water temperature 012.5m : current depth TIME : dive time
 Freediving Mode - Maximum Rate	**Freediving Mode - Maximum Rate (Maximum Rate calculations are based on total freediving history executed with this dive computer within 11 hours.)** **To Access:** Press DOWN Button under Freediving Mode. Ascent : MAX Ascent Speed Descent : MAX Descent Speed Depth : MAX Depth Time : MAX Descent time
 Freediving Mode - Average Rate	**Freediving Mode - Average Rate (Average Rate calculations are based on total freediving history executed with this dive computer within 11 hours.)** **To Access:** Press DOWN Button twice times under Freediving Mode. Ascent : Average Ascent speed Descent : Average Descent speed

NO DIVING **23:57** Freediving Mode – No Diving	**Freediving Mode – No Diving** If NO-DIVE recommendation time countdown shows on the screen, DO NOT continue diving activities. For an exact NO-DIVE recommendation time countdown please check the Dive Log page. Note: Freediving Mode, Scuba Mode, Tec Mode and Plan Mode will remain locked during NO DIVE time.

4.3.2 Freediving Mode Settings

	4.3.2 Freediving Mode Settings

Path：
1. Menu > Settings > Set Dive > Free
2. Menu > Diving > Free > Press the UP button > Freediving Quick Setup

Alarm 1 ON **10** m Freediving Depth Alarm	**Freediving Depth Alarm** 1.Press up/down button to select on after the blinking, then press mode button to confirm the setting value and stop blinking to set the depth; if you select off, the depth cannot be set. After the depth blinks, press up/down button to set value, then press mode button to confirm the set value and stop blinking to complete the setting. 2.The dive depth alarm setting can be set in three groups, alarm-1 to alarm-3.
Alarm 1 ON **10** SEC Freediving Time Alarm	**Freediving Time Alarm** 1.Press up/down button to select on after the blinking, then press mode button to confirm the setting value and stop blinking to set the time; if you select off, the time cannot be set. After the time blinks, press up/down button to set value, then press mode button to confirm the set value and stop blinking to complete the setting. 2.The dive time alarm setting can be set in three groups, alarm-1 to alarm-3.
Alarm 1 ON **1** MIN Freediving Surface Interval Alarm	**Freediving Surface Interval Alarm(SI)** 1.Press up/down button to select on after the blinking, then press mode button to confirm the setting value and stop blinking to set the SI time; if you select off, the SI time cannot be set. After the SI time blinks, press up/down button to set value, then press mode button to confirm the set value and stop blinking to complete the setting. 2.The dive SI time alarm setting can be set in three groups, alarm-1 to alarm-3.

4.4 Gauge Mode

4.4.1 Gauge Mode Screen and Function

4.4.1 Gauge Mode Screen and Function	
 Gauge Mode - Surface Preview	**Gauge Mode - Surface Preview** **Description：** GA：abbreviation of Gauge mode. ⊙ ：is in the process of obtaining the surface position of the entry point or the dive spot info by satellite positioning. The coordinates of latitude and longitude or the name of the dive spot will be displayed after the positioning is completed. The surface GPS function is only available for firmware CR5058 and above. **AVG：Average Depth** 000.0 m：Current depth **STPW: Stop Watch** SI：current surface interval time. (less than 10 hours: HOUR:MINUTE After 10 hours: HOUR After 24 hours: --) TEMP：Water temperature

 Surface Preview Twist-to-next Info - SI/ Water Temperature Surface Preview Twist-to-next Info - Bearing	**Gauge Mode - Surface Preview Twist-to-next Info** **Description：** Twist-to-next feature detects a rotation of your wrist and helps you turn the page automatically without pressing a button while diving. This feature is on by default and can be turned off. (Path: Settings＞Set dive＞Twist to Next) Press the mode button to view other information pages. Surface preview information: SI/ Water Temperature, Bearing. **Icons：** 237°：the current pointing direction.
 Gauge Mode - Underwater	**Gauge Mode - Underwater** **Description：** 018.6 m：Current depth **AVG: Average Depth** **STPW: Stop Watch** TIME: Dive Time TEMP: Water temperature **Press DOWN Button to calculate Average Depth automatically. STPW will Return-to-Zero and start calculating dive time in the current stage.** **WARNING:** **Gauge Mode is only a bottom timer. It will only indicate the depth and time parameters during a dive. It will NOT provide NDL calculations. Please make sure you receive proper training and have adequate dive equipment with you. You will need to execute dive plans strictly and understand the related risks using Gauge Mode.**

Surface Preview Twist-to-next Info - Dive Time/ Water Temperature Surface Preview Twist-to-next Info - Bearing	**Gauge Mode - Underwater Twist-to-next Info** **Description：** Twist-to-next feature detects a rotation of your wrist and helps you turn the page automatically without pressing a button while diving. This feature is on by default and can be turned off. (Path: Settings＞Set dive＞Twist to Next) Press the mode button to view other information pages. Underwater information: Dive Time/ Water Temperature, Bearing. **Icons：** 237°：the current pointing direction.
Gauge Mode – Return to the Surface	**Gauge Mode – Return to the Surface** When you return to the surface, the dive will be automatically ended according to the Log Stop time setting, you cannot use any button to stop or exit before the recording is completed.
Gauge Mode – Dive End and Positioning	**Gauge Mode – Dive End and Positioning** After the dive is ended, a 1-minute positioning will start to obtain the location of the water exit point. Please do not use any button before completing the positioning.
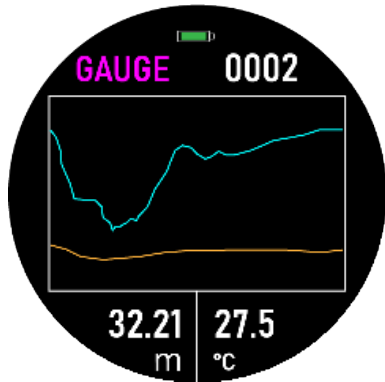
 Gauge Mode - Dive End	**Gauge Mode - Dive End** Screen will show Dive Profile of current dive for approximately 1 minute. No FLY Reminder and NO DIVE Reminder countdown will start with 24 hours after dives executed under GAUGE Mode. To check entire history dive logs and dive profiles, select the log and press the DOWN button to go to the second page to view.
 No Diving	**No Diving** **After using the gauge dive to complete a dive activity, the NO DIVING recommendation time countdown shows on the screen, DO NOT continue diving activities.** For an exact NO DIVE recommendation time countdown please check the Dive History page. **Note:** **Scuba Mode, Tec Mode, Freediving Mode and Plan Mode will remain locked during NO DIVE time.**

4.5 Plan Mode

4.5.1 Plan Mode Screen and Function

4.5.1 Plan Mode Screen and Function	
 Plan Mode	**Plan Mode** **Description :** 21% : Oxygen percentage value If you want to change the oxygen concentration (O2%) and partial pressure of oxygen (PPO2) setting, please refer to the Scuba Dive Mode setting. NORM : Conservatism level Default: Normal (NORM). Available values: conservative (CONS), normal (NORM), and aggressive (AGGR). If you want to change the Conservatism level setting, please refer to the Scuba Dive Mode setting. **DEPTH (MOD) : Maximum Operating Depth suggestions.** **The dive plan you can refer to will not exceed the following limits:** **Recommended maximum depth for recreational diving: (40 m / 131 ft).** **NDL : The Non-Decompression Limit time in minutes, will show 99 when NDL exceeds 99 minutes.**

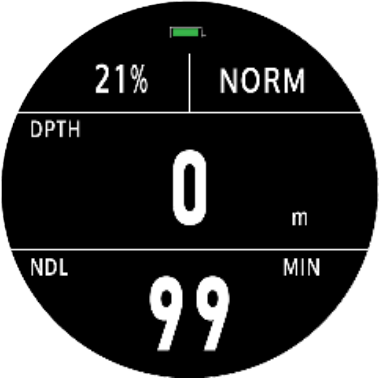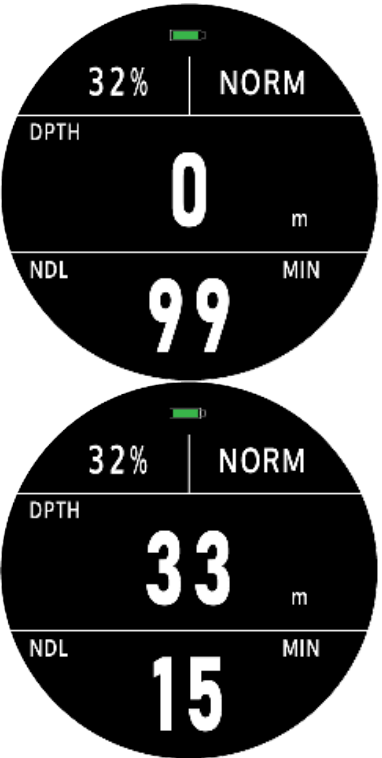|	
 Plan Mode - Start to Plan	**Plan Mode - Start to Plan** **Description :** **After setting your gas and conservative settings, press the up/down button to change the depth. According to the depth adjustment and refer to the change of the NDL to see if a warning appears.** Please note: 1. Changing settings of Scuba mode such as: **O$_2$% : Oxygen percentage value** **NORM : Conservatism level** **PO2 : PPO2 (partial pressure of oxygen)** will affect the calculation of NDL and MOD values shown in Plan Mode. 2. **Previous dives executed on this dive computer and its residual nitrogen calculation will be taken into account.** 3. Please make sure you receive proper training and have adequate dive equipment with you. You will need to execute dive plans strictly and understand the related risks using Plan Mode.
 Plan Mode – Warning	**Plan Mode – Warning** When you reach the preset PO2 value, alarm warning will activate; long beeping one time with vibration and displayed PO2 value will blink. Note: Once there is a warning, adjusting your dive plan accordingly is highly recommended.
 Plan Mode – No Diving	**Plan Mode – No Diving** **If NO DIVE recommendation time countdown shows on the screen, DO NOT continue diving activities.** For an exact NO DIVE recommendation time countdown please check the Dive History page. **Note:** **Scuba Mode, Tec Mode, Freediving Mode and Plan Mode will remain locked during NO DIVE time.**

4.6 Dive Spot Mode

4.6.1 Navigate Mode Screen and Function

4.6.1 Navigate Mode Screen and Function	
Download the database of dive sites through the wireless connection with the phone. After entering the Navigate, you will be able to search for your nearby dive spots with satellite positioning. Before starting the navigation, you can download the latest EPO (Extended Prediction Orbit) data by connecting to the app to activate the quick positioning function.	
 Navigate Mode - Dive Spots List	**Navigate Mode - Dive Spots List** The list of dive spots will list the dive spots near you according to the distance. **Icons :** Changtan Village : Dive spot name 215.3 m : Distance to the dive spot
 Navigate Mode - Dive Spot Page	**Navigate Mode - Dive Spot Page** Select a dive spot from the list and press the Mode button to enter the dive spot page. **Icons:** Press the Mode button, select "GO" to start navigation. Press the Up button, select "+" to add the dive spot to the My Spots list.
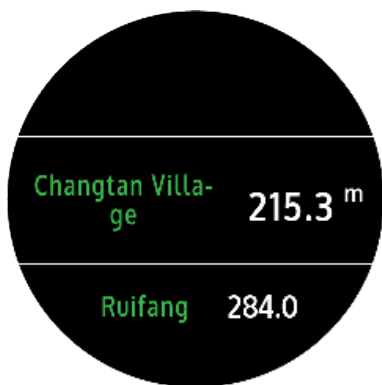
	Navigate Mode - Start Surface Navigation
Navigate Mode - Start Surface Navigation	Press the Mode button, select "GO" to start navigation.

Navigate Mode - Start Surface Navigation	**Icons :** Arrow : Diver's direction (the forward direction), the number below the arrow is the bearing Green dot : indicates the direction of selected dive spot, which is also the right direction of your destination Green character (middle): the name of the spot White number (below): distance to the spot
Navigate Mode - Start Surface Navigation Forward to the dive spot.	**Description :** 1. To turn till facing the green spot to align (align your direction of movement with your goals). 2. When aligned, white arrow and green spot will become one green arrow (the direction of forward movement is the direction of the dive spot), then you can go to the spot in this direction. 3. When you are heading in the right direction, you will get gradually closer to the dive spot. Please keep going.
Navigate Mode - Start Surface Navigation Reach the dive spot.	4. When reaches the dive spot area, **the watch will vibrate twice with two short beeps. Meanwhile, the green dot turns into a white dot, the outer green circle becomes bolded.** 5. You can switch to dive mode and prepare to start a dive. Please note: The GPS signal can only be received on the surface of the water, so please do not use it in the water to ensure that the navigation function works well.

4.6.2 Add Spot Mode Screen and Function

4.6.2 Add Spot Mode Screen and Function	
 Add Spot Mode - Positioning	**Add Spot Mode - Positioning** The Add Spot Mode will obtain real-time location information (latitude and longitude coordinates) by satel
 Add Spot Mode - Lat and Long Coordinates	**Add Spot Mode - Lat and Long Coordinates** When the positioning completes, it will show the latitude and longitude coordinates, press Mode button to select "+" to add this spot to My Spot list.
 Add Spot Mode - Save Spot	**Add Spot Mode - Save Spot** It will record the latitude and longitude coordinates and mark the added date and time. You can view the saved spots in My Spot.

4.6.3 My Spot Mode Screen and Function

4.6.3 My Spot Mode Screen and Function	
 My Spot Mode - Saved Spot List	**My Spot Mode - Saved Spot List** View the saved spots from Navigate Mode and Add Spot Mode. This list will be sorted by the time they were added.
 My Spot Mode - Go or Delete	**My Spot Mode - Go or Delete** Select a saved spot and press Mode button to go to the spot or delete from the list. Selecting Go will start the Navigate Mode screen, please refer to 4.5.1 Navigate Mode Screen and Function.

5. Settings

5.1 Diving Settings

<table>
<tr><td colspan="2" align="center">5.1 Diving Settings</td></tr>
<tr><td colspan="2" align="center">Path：Menu > Settings > Set dive</td></tr>
<tr><td align="center">Scuba</td><td>For Scuba Diving related settings, please refer to 4.1.2 Scuba Mode Settings.</td></tr>
<tr><td align="center">Tec</td><td>For Tec Diving related settings, please refer to 4.2.2 Tec Mode Settings.</td></tr>
<tr><td align="center">Freediving</td><td>For Freediving related settings, please refer to 4.3.2 Freediving Mode Settings.</td></tr>
<tr><td align="center">Auto mode</td><td>Choose Scuba, Freediving or Gauge mode as your default automatic dive mode.

Description：
After entering this setting, press the UP/DOWN button to set value after the dive mode blinks, then press the MODE button to confirm the set value until it stops blinking to set the depth.
After the depth value blinks, press the UP/DOWN button to set value, then press the MODE button to confirm the setting value and stop blinking to complete the setting.</td></tr>
<tr><td align="center">Salinity</td><td>Description：
Select the salt concentration for the dive, which you can set to Salt (seawater) or Fresh (freshwater).
Default: Salt</td></tr>
</table>

Twist to Next	Detects a rotation of your wrist and helps you turn the page automatically without pressing a button while diving. This feature is on by default. Press the mode button to view other information pages when it turns off. (Path: Settings＞Set dive＞Twist to Next) **Please note:** To use this function, please calibrate the compass first to ensure the correct direction information.
Tissue Clear	Clear residual nitrogen calculation (TISSUE CLEAR)　: You can use this function to reset the residual nitrogen calculated in the watch. WARNING: 1. Please make sure you fully understand that changing this setting will affect　algorithm calculations and the related risks. DO NOT USE this function if you are not a certified diving instructor or you are not suggested to do so by a certified diving instructor or facility. 2. If you are an instructor or you need to rent this dive computer to different students or customers, please make sure they DO NOT have diving activities within the past 72 hours for maximum safety control. 3. If you are the person who is receiving this dive computer after using the "Tissue Clear" function, please make sure you DO NOT have diving activities within the past 72 hours for maximum safety control. 4. Do not use this function if you are not sure with related results. You are responsible for your own safety.

5.2 System Settings

5.2 System Settings	
Path：Menu > Settings > Set system	
GNSS	**"GNSS Global Navigation Satellite System"** is the collective name of the U.S. Global Positioning System (GPS), Russia's GLONASS, China's BeiDou satellite navigation system (BDS) and the European Union's Galileo. This product supports the three positioning systems of GPS (USA), GLONASS (Russia) and Galileo (EU). **The default value of this product is to use the U.S. GPS fixed on and as the main positioning.** **Please note:** **When you are not in Russia, the EU and nearby areas, this option is recommended to be selected "Off" to improve search speed and save power consumption.** **When you are in Russia, the EU and nearby areas, this option is recommended to be selected as "On" to improve the accuracy of location.**
Backlight	Set the backlight Brightness and Duration. The lower the number, the darker the backlight will be, and the higher the number, the brighter the backlight will be. Then press Mode button to set duration, you can set to 5/10/20/30/60 seconds. Press Mode button to complete the setting. Default Brightness：3 Default Duration：5 seconds **Please note:** **Changing this setting will affect the power consumption and standby time of this product.**

Buzzer	Set whether to turn on the button sound or not. **Please note:** **Changing this setting only affects the operation in watch mode; the warning alarm setting in each dive/sports mode will not be affected.**
Vibration	Set whether to turn on button vibration or not. **Please note:** **Changing this setting only affects the operation in watch mode; the warning alarm setting in each dive/sports mode will not be affected.**

Time	**You can set the time related settings here, press the MODE button to enter the sub options for each setting.**	
	UTC	Set time zone. **Please note:** **This product is not an automatic time zone setting, please be sure to adjust the time zone according to the conditions of use.**
	Format	Set the date format.
	DST	**Daylight Saving Time:** If this setting is required, you must select your local time zone and use daylight saving time. The system will display the corrected time.
	Set time	Synchronize the correct time by satellite positioning, please stay outside in the open area when positioning.
	24H	Set 12 hour or 24 hour clock systems.

Alarm clock	Set a maximum of five clocks, one-time, daily, or workday clocks.

Language	Set language.
Unit	Set unit.
Watch PSM	**Power saving mode of the watch. The watch will automatically power off if it is idle for more than 24 hours.**
	Auto Backlight — Turn on or off the automatic backlight function in watch mode.
Compass CAL	**Compass Calibration:** Follow the instructions on the watch to calibrate the compass.
Watch face	Set the face of your watch in watch mode.

5.3 Delete

5.3 Delete	
Path：Menu > Settings > Delete	
Delete	1. Performing this action will **clear all records in this product**. There is no way to retrieve them. 2. Clear logs won't affect any existing settings and residual nitrogen calculation of previous dives existing in this product and will still be calculated. 3. Downloading your dive logs using our application service before clearing all dive logs is recommended.

5.4 Reset

5.4 Reset	
Path：Menu > Settings > Reset	
Reset	1.By resetting the system, **all the custom settings will be erased and all settings will be reset as default**. 2.Residual nitrogen calculations will still be calculated and will NOT be cleared and reset; Dive and sports logs will NOT be cleared and reset either.
All Reset	1.By resetting all, all the custom settings will be erased and all settings will be reset as default. All logs will be deleted permanently. There is no way to retrieve them. 2.Residual nitrogen records will be cleared and reset. Previous diving logs will NOT be calculated. Please make sure you fully understand that changing this setting will affect algorithm calculations and the related risks. DO NOT USE this function if you are not a certified diving instructor or you are not suggested to do so by a certified diving instructor or facility.

5.5 About

5.5 About	
Path：Menu > Settings > About	
About	Display firmware version and the serial number of your watch. **SN**: Serial number of the dive computer **VER**: Software version information
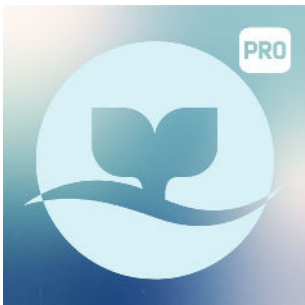
6. Logs

6. Logs	
Path：Menu > Logs	
Logs	View all detailed dive and sport records. 1. Press the UP/DOWN button to select a record and press the MODE button to enter the record. 2. Use the UP/DOWN button again to switch pages and view detailed information. Please note: 1.Dive log: If you want to delete a single dive log, please go to the last page of the log and press the MODE button, then select YES or NO to confirm the deletion of the single log. 2.If you want to delete all logs at once, please refer to 6.5 Delete instructions. 3.The dive log location data column is the location of the entry point, if no location data is available, then shows No Location.

7. Timer

7. Timer	
Path：Menu > Timer	
Countdown	1. After the time setting is completed, press "Start", the set time will start timing. 2. If necessary, please turn on "Repeat", the timer will restart automatically after it expires.
Stopwatch	1. After entering the stopwatch, press the MODE button to start. 2. When the stopwatch starts, press the RETURN button to count the laps. Press the MODE button to stop, then you can choose to continue or "Down" to finish, and view the lap time as well. 2. After completing the stopwatch, no history will be generated.
Alarm clock	Set a maximum of five clocks, one-time, daily, or workday clocks. **Same as：Menu > Settings > Set system > Alarm clock**

8. Synchronization and APP

8. Synchronization and APP	
Dive Story Pro	1. Please download Dive Story Pro APP from App Store or Google Play and register/login your account. 2. Turn on the Bluetooth of your mobile phone. 3. Enter the APP, go to the "Home" page, click "Add Device" to connect. **Upload dive logs via the APP：** Click "Sync Dive Logs" to download your logs from your device. **Update the firmware via the APP：** Click "Update Firmware". **The computer will be updated automatically after the firmware file is transferred, do not turn off the computer during the update.** **Update EPO via the APP：** Click "Update EPO". You can set "Auto Connect" to the device in the APP, and the EPO data will be downloaded and updated automatically when you open the APP in the future.

9. Disclaimer

9.1 User's Responsibility

This device is intended for recreational use only.

DIVEBRAIN/SOPRAS DIVE BRAIN (DB-01) is not applicable for measurement data or use specifications that require compliance with occupational or industrial requirements.

9.2 About Flying After Diving

The no-fly time is displayed in watch mode, with an icon of the aircraft at the bottom of the screen. The no-fly time is shown in the history and version information. Once the no-fly time icon shows up, no flights or travel to high altitudes are allowed.

No-fly times are usually longer than 12 hours.

The Divers Alert Network (DAN) recommends the following on no-fly times:

- A minimum surface interval of 12 hours would be required in order to be reasonably assured a diver will remain symptom free upon ascent to altitude in a commercial jetliner (altitude up to 2,400 m (8,000 ft)).

- Divers who plan to make daily, multiple dives for several days, or make dives that require decompression stops, should take special precautions and wait for an extended interval beyond 12 hours before a flight. Further, the Undersea and Hyperbaric Medical Society (UHMS) suggests divers using standard air cylinders and exhibiting no symptoms of decompression sickness wait 24 hours after their last dive to fly in an aircraft with cabin pressure up to 2,400 m (8,000 ft).

  The only two exceptions to this recommendation are:

  - If a diver has less than two (2) hours total accumulated dive time in the last 48 hours, a 12 hour surface interval before flying is recommended.

  - Following any dive that required a decompression stop, flying should be delayed for at least 24 hours, and if possible, for 48 hours.

DIVEBRAIN/SOPRAS recommends that flying is avoided until all the DAN and UHMS guidelines, as well as the dive computer's no-fly conditions, are satisfied.

10. Limited Liability Warranty

DIVEBRAIN/SOPRAS Dive Computer is covered by DIVEBRAIN/SOPRAS's limited warranty.

- DIVEBRAIN/SOPRAS provides a limited product warranty to the purchaser of a dive computer watch and dive computer watch accessories (hereinafter referred to as the Product).
- During the period of the Product Warranty, improvements will be made at DIVEBRAIN/SOPRAS or DIVEBRAIN/SOPRAS authorized distributor or dealer location for possible defects in the hardware of the Product in accordance with the terms of this Warranty. These improvements may include free repair, replacement of the whole or part of the Product and repair at a charge, the details of which shall be at the sole discretion of DIVEBRAIN/SOPRAS. This provision shall not apply where local regulations govern the rights of consumers.
- This warranty is valid only for the country in which the Product was originally purchased and where the Product is duly authorized by DIVEBRAIN/SOPRAS to be legally distributed for sale and service.
- The Product Warranty Period shall commence on the date of purchase by the Consumer and the provision of official proof of purchase and the determination of the criteria shall be at the sole discretion of DIVEBRAIN/SOPRAS. If the product meets the warranty conditions and free repair and replacement criteria within the warranty period, the original manufacturer will provide free repair and parts replacement and return the product to the consumer within a reasonable period of time. The consumer is still responsible for shipping charges to DIVEBRAIN/SOPRAS authorized dealer locations or other service charges that may be incurred. Details are as follows:
    - The main body of the dive computer is covered by a one-year conditional factory warranty.
    - The original warranty period will not be extended if the product is returned to the original factory for repair, replaced by a new/good product after repair, or resold.
    - If the repaired product is returned within three months after the warranty period, DIVEBRAIN/SOPRAS will provide one free repair to protect the consumer's rights and interests if the repaired product is in the same condition as the requested repair.

Exclusions and Limitations

This limited warranty does not cover:

1. wear and tear arising from normal use.
2. problems caused by collision with sharp objects, bending, crushing or dropping and other improper handling.
3. damage or malfunction of the product caused by improper use in violation of the DIVEBRAIN/SOPRAS factory rules/instructions (e.g. not following the product manual), and other actions beyond reasonable use.
4. damage to the internal settings, data content or other data of the Dive Computer Meter. Whether it is the user's manual that comes with the product or obtained by

download, or software supplied by a third party, or even the user's own data; problems arising from installation, assembly, or transportation.

5. any failure caused by the use of services, software, accessories or any related products not provided by the original manufacturer; or any failure caused by the use of DIVEBRAIN/SOPRAS products for purposes other than those for which they were originally designed.

6. any failure caused by replacing the battery, disassembling and assembling the DIVEBRAIN/SOPRAS Product by yourself.

The warranty shall automatically be terminated in the event that

1. the serial number of the Product has been manually removed, altered, worn or defaced to the point of being unrecognisable

2. the Product itself has been disassembled, altered, modified, or referred to a non-DIVEBRAIN/SOPRAS authorized distributor or dealer for testing and repair.

3. the product has been repaired with parts or consumables not supplied by the original manufacturer.

4. The product has been exposed to chemicals, such as computer watches sprayed with mosquito repellent, chemical sprays containing ammonia or alcohol with solvents.

How to obtain DIVEBRAIN/SOPRAS warranty service

To obtain warranty service, please review the customer service information in the manual or visit the original manufacturer's website for assistance resources. The manufacturer's website is www.DIVEBRAIN.com and SOPRASSUB.com. To claim your warranty rights, please contact your local DIVEBRAIN/SOPRAS authorized agent and distributor.

If the product meets the warranty conditions and free repair and replacement criteria within the warranty period, the original manufacturer will provide free repair and parts replacement and return the product to the consumer within a reasonable period of time. The decision to offer a product for repair or replacement shall be at the sole discretion of DIVEBRAIN/SOPRAS or a DIVEBRAIN/SOPRAS Authorized Dealer. If the warranty period has expired or the warranty conditions are not met or the free repair and replacement criteria are not met, the product will no longer be entitled to free service and DIVEBRAIN/SOPRAS or a DIVEBRAIN/SOPRAS Authorized Dealer reserves the right to charge a discretionary repair handling fee.

If a consumer finds a problem with a product, he or she must make a warranty claim within a reasonable period of time and request warranty repair rights by bringing the product to a DIVEBRAIN/SOPRAS dealer location and requesting warranty repair. The consumer must provide: the name of the purchaser, contact telephone number, and proof of purchase. The proof of purchase must clearly state the product model number, product serial number, purchaser's name, contact number, date of purchase, dealer information and other detailed information. If the consumer wishes to send the product by post for repair, please send the product together with the above information to the local DIVEBRAIN/SOPRAS authorized distributor at your own cost.

In any circumstances, all warranty claims must be made prior to the expiration of the warranty period in order to claim warranty rights, and DIVEBRAIN/SOPRAS cannot guarantee that the product will operate uninterrupted or error-free, or that the product will be compatible with hardware or software supplied by other vendors.

11. Contact DIVEBRAIN/SOPRAS

EMAIL : info@sopras.cz
WEBSITE :www.divebrain.com, www.soprassub.com,
www.soprasapnea.com, www.soprastek.com

12. Copyright Statement

The contents of this document are the property of DIVEBRAIN/SOPRAS, including the words and graphics DIVE BRAIN (DB-01), which are registered or unregistered trademarks of the Company. Although every effort has been made to ensure the completeness and correctness of the contents of this document, we cannot guarantee 100% accuracy. Accordingly, the contents of this document may be revised at any time without notice.

13. Appendix

13.1 Product Specifications

Size & Weight	Diameter of the watch face: 52.3 mm / 2.05 inches Thickness: 15.77 mm / 0.58 inches Weight: 45 g
Depth Meter	Temperature-compensated pressure sensor: Calibration based on seawater, within 3% reduction in freshwater reading (in accordance with EN 13319) Maximum operating depth: 100 m / 328 ft (in accordance with EN 13319) Accuracy: Full display ±1 %; or best at 20°C / 68°F, 0 m / 0 ft to 80 m / 262 ft Depth display range: 0 m / 0 ft to 100 m / 328 ft Resolution: 0.1m from 0 m to 100 m, or 1 ft from 0 ft to 328 ft
Temperature display interval	Resolution: 1 °C / 1 °F Display range: 0 °C to 40 °C / 32 °F to 104 °F Accuracy: ±2 °C / ±3.6 °F (within 20 minutes of temperature change)
Calendar Clock	Accuracy: ±25 sec/month (at 20 °C / 68 °F) 12/24 Switching
NITROX	Oxygen concentration: 21 % to 99 % Oxygen partial pressure display: every 0.01 bar Oxygen Exposure Limit Section: 1 % to 100 %, display resolution 1 %
Working Environment	Operating temperature: -5 °C to 40 °C/ 23 °F to 104 °F Recommended storage temperature: 0 °C to 40 °C / 32 °F to 104 °F
Low Temperature Attention	If you use the battery in low temperature for a long time, it will cause more charge and discharge cycles. The low battery warning means that there is still enough power available. In this case, the warning symbol will usually disappear automatically when the dive mode is activated.
Algorithm	The DIVEBRAIN/SOPRAS Decompression Algorithm is computed using 16 tissue intervals. The tissue intervals are based on the half-time tissue table of Bühlmann ZH-L16C. The "M" value for nitrogen emissions is related to diving habits and whether the dive warning was violated. The computer continues to track the "M" value even after the dive has ended. The calculation of enriched oxygen and oxygen exposure is based on the NOAA (National Oceanic and Atmospheric Administration) Exposure Schedule and Limitation Principles.

13.2 Diving Terms and Explanations

Terms	Explanations
Ascent Rate	The rate at which a diver rises through the water.
CNS toxicity	High partial pressure oxygen is toxic to the human body, and the toxicity from over-breathing can lead to various neurotoxic symptoms. The most serious of these is a convulsive neurotoxic reaction similar to epilepsy, which can lead to uncontrollable convulsions that affect the diver's breathing and result in drowning.
CNS	The abbreviation for the central nervous system.
Decompression	The decompression of a diver is the reduction in ambient pressure experienced during ascent from depth. It is also the process of elimination of dissolved inert gases from the diver's body, which occurs during the ascent, largely during pauses in the ascent known as decompression stops, and after surfacing, until the gas concentrations reach equilibrium.
DSC	Decompression sickness (abbreviated DCS; also called divers' disease) is a medical condition caused by dissolved gases emerging from solution as bubbles inside the body tissues during decompression. DCS most commonly occurs during or soon after a decompression ascent from underwater diving, but can also result from other causes of depressurisation. DCS and arterial gas embolism are collectively referred to as decompression illness.
Dive Time	The time from the start of the dive until the end of the dive when you return to the surface again.
NDL	The "no-decompression limit" (NDL) or "no-stop limit" , is the time interval that a diver may theoretically spend at a given depth without having to perform any decompression stops while surfacing. The NDL helps divers plan dives so that they can stay at a given depth for a limited time and then ascend without stopping while still avoiding an unacceptable risk of decompression sickness.
EAN	Abbreviation for Enriched Air Nitrox (high oxygen nitrogen oxygen mixture). Abbreviated as high oxygen or written as EANx, x represents the percentage increase in the proportion of oxygen. For example, the ratio of high oxygen mixture EAN32 (NOAA I) and EAN36 (NOAA NN II) is a mixture of 32% and 36% of oxygen.
NITROX	Nitrox refers to any gas mixture composed (excepting trace gases) of nitrogen and oxygen.

13.3 NCC Warning

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Regulations for low-power radioactive motors.
The company, firm or user shall not change the frequency, increase the power or change the features and functions of the original design of the certified low power RF equipment without approval. The use of low-power RF equipment shall not affect flight safety or interfere with legal communications; if interference is found, it shall be immediately discontinued and improved until there is no interference before continued use. The aforementioned legal communication refers to the radio communication operated in accordance with the Telecommunications Control Law. Low-power RF equipment shall tolerate interference with legal communications or radioactive electrical equipment for industrial, scientific and medical use.

13.4 FEDERAL COMMUNICATIONS COMMISSION INTERFERENCE STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-   Reorient or relocate the receiving antenna.
-   Increase the separation between the equipment and receiver.
-   Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-   Consult the dealer or an experienced radio/ TV technician for help.

CAUTION:

Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

RF Exposure warning

The equipment complies with FCC RF exposure limits set forth for an uncontrolled environment.
The equipment must not be co-located or operating in conjunction with any other antenna or transmitter.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
   (1) this device may not cause harmful interference, and
   (2) this device must accept any interference received, including interference that may cause undesired operation.