






1. Safety tips-please read them carefully before using


 Please ensure that you fully understand the diving equipment and the use of this product, as well as the meaning of the display content on the watch. If you have any questions about this product, be sure to contact the NORTH EDGE dealer before diving and using it. Remember, your safety is your responsibility, please pay attention to all the details, and do not neglect any physical discomfort!


 Be sure to read and understand the entire manual. Any confusion or negligence, failure to follow the manual exactly, or failure to follow the normal operating procedures can lead to serious injury or even death.


 The NORTH EDGE dive watch is designed for recreational diving only. North Edge is a strong advocate that the device should not be used for commercial or professional diving. Any person engaged in commercial or professional diving, often exposed to more than the design of this watch depth and environment, is likely to lead to decompression illness (DCI) .

 This product can not replace the formal diving education and training. This product is intended for use only by divers who are trained by a certified professional diver and know how to operate diving equipment.


 Every dive can carry the risk of decompression illness. Even if you follow a dive schedule or a dive computer schedule, a dive computer can not anticipate and measure changes in your physiology. Therefore, divers should try to keep within the limits indicated by the instrument to engage in activities.


 It is recommended that you consult your physician before diving. There is no algorithm, Formula, theorem, dive calculator, or dive planner in the world that can completely eliminate the risk of decompression illness or oxygen poisoning. The physical condition of the individual may change from time to time due to environmental factors, so this product can not completely help you avoid diving injury. The best way to avoid diving injuries is not to dive.


 The test depth of this product is 100m/330ft. This product is only for recreational diving. It is strongly recommended that the diver should not exceed the maximum diving depth of 40m/130ft (air diving) , or the maximum allowable depth of your training. Please note that your safety is in your own hands and your own responsibility.


 Divers are prohibited from wearing this dive computer watch for dives that exceed the nondecompression limit (NDL) and require decompression. Once the computer indicates that the NDL limit has been exceeded, you should immediately stop the dive, start the

ascent and proceed to the safe stop procedure. Please keep an eye on the speed of ascent, the depth and the duration of the stay, and keep an eye out for flashes, warning signs, and arrowheads.


 This product is not guaranteed to be fully functional at all times, please be sure to bring depth meters, pressure gauges, timers and watches and other standby instruments, and always compare your diving plan.


 This product can help calculate the non-decompression limit and other information, but does not mean you can skip the diving plan and other procedures, if your diving plan is more conservative, please make your diving plan a priority.


 In order to ensure the integrity of the display content of this product, each time before launching into the water, the product should be activated to check its function, also make sure that the battery level, oxygen level setting, personal setting, and other adjustments are in line with your dive plan. **(This product is not suitable for high altitude diving)**


 The screen shows that flights should be avoided during no-fly. You should also check to see if the no-fly restrictions have been lifted before boarding. Taking a flight or going to high altitude areas during a ban could significantly increase the risk of developing decompression

illness. Please review the recommendations of the diver alert network (DAN) .


 Divers are not allowed to exchange or share computer watches with each other. The diving information of the meter must be exactly the same as that of the original user. The internal information of the meter can not be transferred to the diver who has not worn it all the way, and can not be used for subsequent diving.


 If the watch is left on the surface of the water and does not dive with the diver, the watch can not provide accurate data for subsequent dives. Any diving that you do before you first turn on the meter can lead to misleading information.

 Be sure to personally confirm the oxygen concentration in each cylinder used and input it into the computer table. Do not dive with a high oxygen cylinder if the contents of the cylinder can not be personally identified. Failure to personally verify the contents of the cylinder and enter the correct oxygen concentration on the computer meter will result in incorrect diving plan data.

 The input value of the oxygen concentration percentage of this computer table only accepts integers. Do not carry the decimal point by yourself. For example, 32.8% oxygen input 33% . Carry will lead to the underestimation of nitrogen, affecting the calculation of decompression. If you want to make adjustments to your computer

watch more conservative, use personal adjustments to change the decompression calculation to change the calculation of your oxygen exposure.

 This computer meter is not applicable to areas above 3,00m/ 10,00ft. Please make sure that your settings are correct and in line with your dive plan, such as the oxygen ratio of the gas used. Failure to correctly set the function of personal adjustment setting may result in wrong calculation of diving plan and diving information, which will seriously lead to the danger of life.

 The device contains a battery. To avoid the risk of fire or combustion, do not attempt to disassemble, crush, puncture, short circuit external contacts, or throw the device into fire or water. If the device is damaged, please dispose of it properly or recycle it.

2. How to guide

2.1 Maintenance

1. Storage: please place the product in a cool place, do not place in dangerous environment, extrusion, pressure, high temperature, low temperature, high humidity, easy to fall, hard hit, etc. .
2. Do not remove the watchcase by yourself

3. After use: especially after use under water or sea water, be sure to use clean water to soak and rinse. The cleaning method is:
 - remove the watch from the hand, gently grasp the strap and place the entire product in the water.
 - Soak in water for about three to five minutes, then shake gently. Let the water flow into the slit to clean the salt.
 - If there are obvious stains, gently rub with your hands.
 - Do Not Bang in the Water.
 - Do not use a strong water column.
 - Do not use any cleaning solvent other than water.
 - After cleaning, put it back on your hand or put it in a cool place.

2.2 how to use

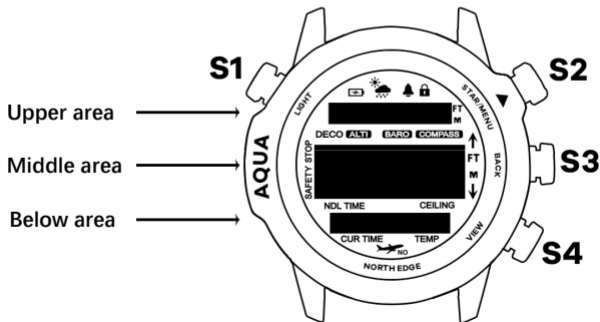
1. Before use: Please make sure the power supply is sufficient
2. Do not give the product to children under 8 years of age.
3. This product is made of non-toxic materials. If any discomfort occurs during use, please remove the product and seek professional medical advice.
4. Wear the product on your wrist and be aware of the risks associated with wearing it in a way that suits you or is comfortable for you.
5. Before launching, please make sure that the product settings are in line with your dive plan. In the meantime, I suggest you stick to your dive plan.

6. Under Water, it is your responsibility to constantly verify the data displayed on the product.

7. If you do not understand the information please be sure to contact your coach, the purchase of dealers and business representatives or to ask us.

3, Full display and identification, Key functions

3-1. Full display and description:



3-2 Button function:

S1 key: short press backlight, long press lock screen&lock key

S2 key: Up/Down/OK, long press enter settings

S3 key: Exit/Return

S4 key: switch below area & value settings + 1

3-3 Features:

1. Time display function, display time, minute, second, month, day, week, 12/24H, initial value is (2020-1-01 12:00 00 WED)
2. Alarm function
3. Countdown function, the initial value of (0:00.00,12:00(OFF)
4. Stopwatch function, the initial value is (0:00'000, (OFF)
5. Step counting, exercise time, pace, mileage, calories consumption
6. Altitude, relative altitude
7. Air pressure curve, air pressure, air pressure curve view (24H)
8. Exercise time record, movement relative height view.
9. Diving function, one is scuba diving, one is free diving. Scuba diving with NDL time,depth,Temperature,diving speed.
10. Diving log (99 records)
11. Compass calibration function
12. Low-power reminder
13. Backlight function
14. 4 key functions
15. Use the Battery CR2450

Mode conversion

Description of mode selection:



Key function:

[S1] key: light up the backlight

[S2] key: scroll up, scroll up menu; scroll down, scroll down menu

short press to enter setting function; when long press S2 key, scroll bar lights up, then enter the settings interface.

[S3] key: exit

[S4] key: invalid

Notes:

Function selection interface (top spin/down spins 2): time → altitude → air pressure → compass → scuba diving → free diving → stepper → dive log → Time (spin back and forth to switch)

3-4 Time mode

Time mode conversion interface description:



Time Interface (button function) :

Press [S1] key: short press to light the backlight, long press to lock screen key.

Press the [S2] key: spin up, not valid; spin down, not valid; short press start/pause to time when the lower area displays the timer interface; when long press the s 2 key, the scroll bar lights up, and then enters the settings interface.

Press [S3] : exit

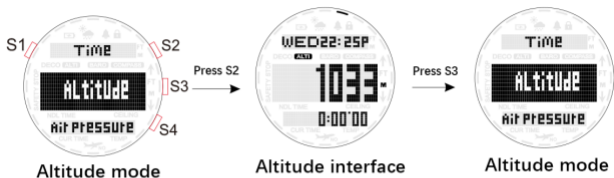
Press [S4] key: short press switch function display: second → stopwatch → countdown → year → thermometer, long press reset.

Notes (time interface) :

1. The upper area shows the week and date.
2. Show the current time in Central
3. the following areas are shown: seconds, stopwatch, countdown, year, temperature.
4. Press S4 key to switch the function display, when switching to the timing interface, press S2 key to start/stop timing, long press S4 key to reset.
5. In any functional interface, more than 1 minutes without key operation, the watch automatically return time interface. If the user needs to spend a lot of time at altitude or below the air pressure interface, long press the S1 key to lock the screen.

3-5 Altitude mode

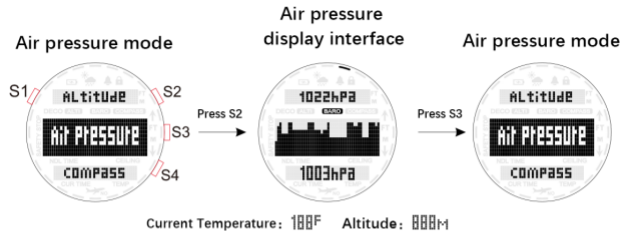
Altitude instruction:



High-level interface (button function) :

1. Press [S1] key: short press to light the backlight, long press to lock screen key.
2. Press [S2] key: Up Spin, invalid; down spin, invalid; the lower display time interface, short start/pause time; long press to enter the settings interface-menu.
3. Press [S3] : Exit
4. Press [S4] key: switch the function display: timing function → relative altitude → temperature → timing interface, long press reset.

3-6 Air pressure mode



Air pressure display interface (key function) :

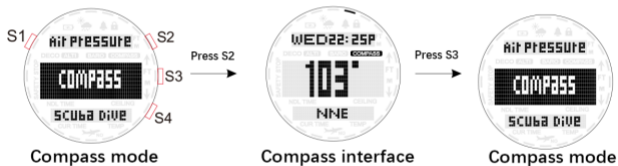
1. Press [S1] key: short press to light the backlight, long press to lock screen key.
2. Press [S2] key: spin up, invalid; spin down, invalid; short press, enter function, Long press the S2 key, the scrollbar lights up, and you enter the settings screen.
3. Press [S3] : exit.
4. Press [S4] key: switch function: sea level pressure → temperature → altitude.

Note (barometric display interface) :

1. The upper area displays the current barometric pressure

- The middle area shows the pressure curve for the last 24 hours (48 bars, 1 bar every half hour)
- The lower area shows sea level pressure, temperature, and altitude
- Air pressure display icon **BARO**
- In any functional interface, more than 1 minutes without key operation, the watch automatically return time interface. If the user needs to spend a lot of time at altitude or below the air pressure interface, long press the S1 key to lock the screen.

3-7 Compass Mode




Compass Interface (key function) :

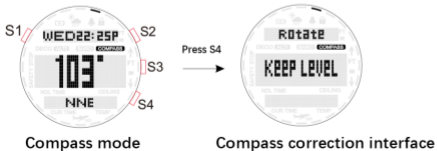
- Press [S1] key: short press to light the backlight, long press to lock screen key.
- Press [S2] key: spin up, invalid; spin down, invalid; short press to enter function, Long press the S2 key, the scrollbar lights up, and you enter the settings screen

3. Press [S3] : exit;
4. Press [S4] : Long Press to enter Compass Correction mode.

Notes:

1. The upper area shows the week and current time
2. Display the azimuth angle in the middle area
3. Display the position on the lower area
4. Display icons in Compass Mode **COMPASS**
5. () Point north, always point north;
6. In any functional interface, more than 1 minutes without key operation, the watch automatically return time interface. If the user needs to spend a lot of time at altitude or below the air pressure interface, long press the S1 key to lock the screen.

Compass calibration mode
Compass calibration notes:



(button function) :

- 1.Press [S1] key: light the backlight, long press to lock screen key.
- 2.Press [S2] key: spin up, invalid; spin down, invalid; short press, invalid;
- 3.Press [S3] : exit
- 4.Press [S4] : invalid

Notes:

1. In compass mode, Long Press S4 to enter compass calibration mode, the upper display "Rotate". Central display "Keep level."
2. Place the watch horizontally, rotate it clockwise for a few times and then automatically return to compass mode after the compass has been adjusted.
- 3, In any functional interface, more than 1 minute without key operation, the watch automatically return time interface.
4. If the user needs to spend a lot of time at altitude or below the air pressure interface, long press the S1 key to lock the screen.

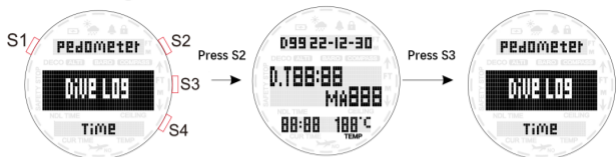
3-8 Pedometer mode



Pedometer interface (button function) :

1. Press [S1] : short press to light the backlight; long press to lock screen key.
2. Press [S2] key: Spin up, invalid; spin down, invalid; Short Press S2 to start pedometer (pedometer icon) , Short Press S2 to stop pedometer (pedometer icon off) ; when long press S2 key, scroll bar lights up, then enter the settings interface.
3. Press [S3] : exit;
4. Press [S4] : Long Press reset step; short press to switch -- exercise time -- exercise distance- calories

3-9 Dive Log Mode



Dive log mode interface (button function) :

- 1.Press [S1] : short press to light the backlight; long press to lock screen key.
- 2.Press [S2] key: spin up, invalid; spin down, invalid; short press to enter function,Long press the S2 key, the scrollbar lights up, and you enter the settings screen
- 3.Press [S3] : exit;
- 4.Press [S4] : invalid;

3-10 Free diving mode



Free diving interface (button function) :

1. Press [S1] key: short press to light the backlight, long press to lock screen key.
2. Press [S2] key: spin up invalid; spin down invalid; short press invalid
3. Press [S3] key: short press invalid, Long Press exit.
4. Press [S4] : invalid.



SI interface (Surface interval time);

Under Free dive mode, there are two interface, one is SI interface (Surface Interval) Please check the icon meaning as below:

0M-- Dive depth

SIT 10:30 -- Surface interval time

5:06 -- Current time

18°C -- Temperature

Under free dive surface interval interface, press S4 button to switch LT and LD

LD- Last dive depth

LT- Last dive time



DT interface (Dive time)

When diver under water beyond 1m, the watch switch from SI interface to DT interface automatically

188m -- Dive depth

DT030-- Dive time (second)

5:06 -- Current time

180C -- Temperature

3-11, Set the interface before diving



**Scuba dive
setting interface**

Long Press S2 to enter the settings screen, rotate S2 to select SCUBA DIVE, and short press S2 to enter the NITROX and SF settings



Dive conservative level setting

↓ Press S2



Oxygen content setting

↓ Press S2



Note: make sure you understand the risks associated with changing this setting.

Set the oxygen content of gas bottle, set the range of 21% ~ 56% ;

3-12 scuba diving mode



1. Underwater interface-NDL time

(1)Upper area shows: () point north, always point north;

359--compass angle, more than 1 minute without key operation, the compass automatically shut down, press any key to activate the compass)

18.8 -- diving depth in M/FT

(2)Central District:

160--NDL TIME UNIT is minute

10 -- dive/surface speed in m/min or FT/min. When diving or surfacing at more than 18m/min, the digital flashing to alarm the speed is too fast.

(3)“↑” “↓” The icon indicates whether you are currently

(4) The lower area shows:

CUR TIME-- current time,

TEMP--current temperature (in °C/F)

2. Underwater interface-when the decompression limit is exceeded:

(1) when the no decompression time is used up, the “Deco” icon is displayed, showing the time beyond NDL, the time becomes negative, the first 3 minutes in seconds, and after 3 minutes in minutes.

- **160**-the time (in seconds) that exceeds the decompression limit, and the time flashes, the buzzer drops an alarm to remind the diver to raise the water to 5 meters for a safe stop.



(2) “**CEILING**”-- the icon appears, the number changes to 5m, (flashing warnings) indicating the diver rises to 5m for a safety stop

(3) Underwater interface-countdown to safety stop

300 -- that's a five-minutes safety stop countdown.

(4) Finishing safety stop interface After a five-minute safety stop, display CLEAR



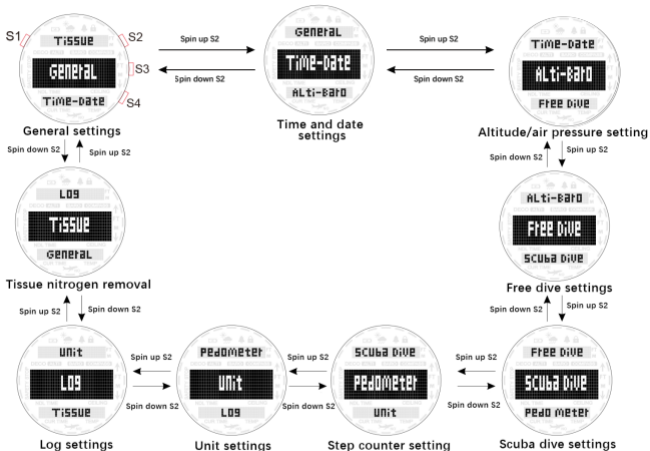
Tips:

1. After entering dive mode, Long Press S3 to exit dive mode to prevent misoperation.
2. Before going into diving mode, you need to go into compass mode to calibrate the compass to ensure the accuracy of the compass during the dive.
3. Before diving, make sure the watch battery is fully charged and the watch doesn't show a low battery warning.
4. Set the dive conservativeness level (SF) and the oxygen content of the tank before entering diving mode.

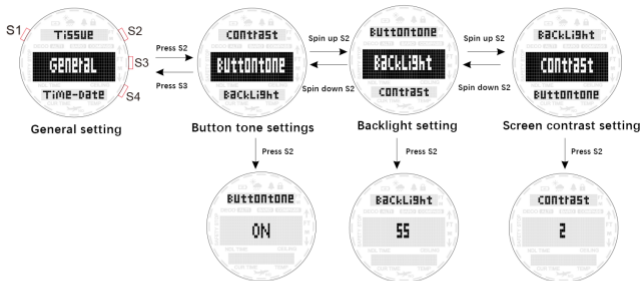


4 Setting interface

Setting interface-conversion:



4-1 Keytone, Contrast



Setting status:

1. Press [S1] to turn on the backlight
2. Press [S2] to switch settings
3. Press [S3] to return to the previous menu
4. Press [S4] key: short press setting value + 1, long press 2s settings quick increment (Loop)

4-2 Time/date setting



Date and time setting

Spin down S2 Spin up S2



Date setting

Spin down S2 Spin up S2

Press S2



Year setting

Press S2



Month setting

Press S2



Day setting



Press S2



12/24 hour clock setting

Spin down S2 Spin up S2



Time setting

Press S2



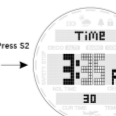
Seconds setting

Press S2

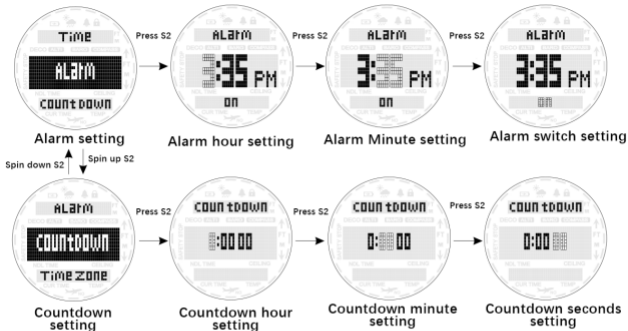


Hour setting

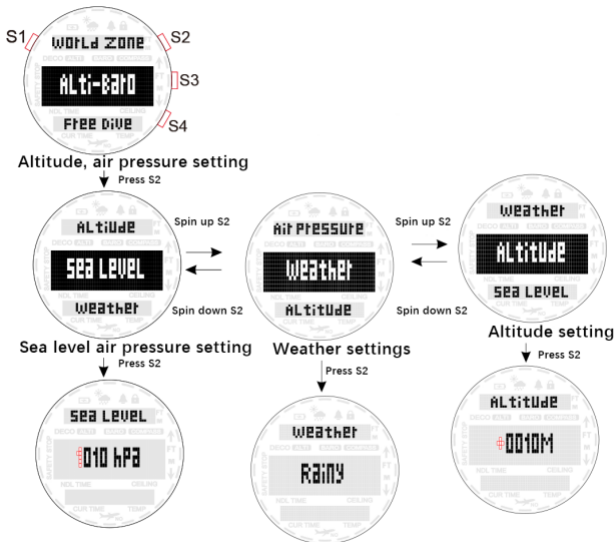
Press S2



Minute setting



4-3 Altitude/Sea level pressure setting



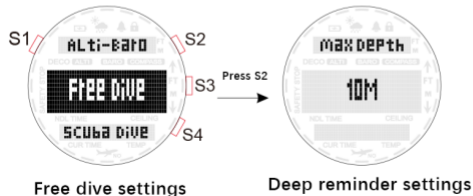
Setting status:

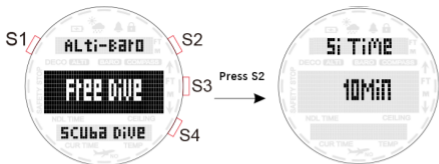
- 1.Press [S1] to turn on the backlight
- 2.Press [S2] to switch settings
- 3.Press [S3] to return to the previous menu
- 4.Press [S4] key: short press setting value+ 1, long press 2s settings quick increment (Loop)

There are two methods for altitude correction:

- 1, can correct the sea level pressure, sea level pressure can be consulted at the local weather website.
- 2.Input the local altitude directly.Any one of these methods can be used. There is no need to calibrate sea level pressure and altitude at the same time.

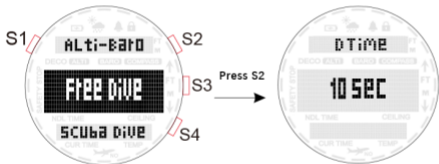
4-4 Free dive setting





Free dive settings

Surface interval time alarm setting

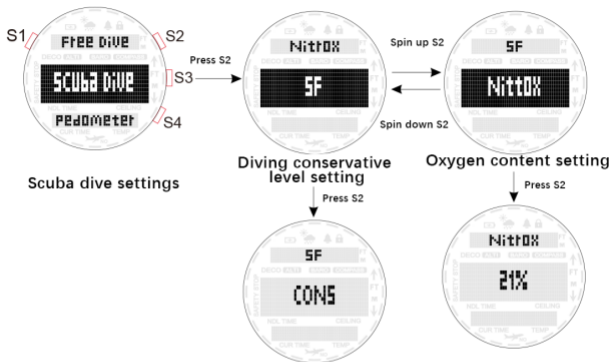


Free dive settings

Dive time alarm setting

Set free dive depth alert

4-5 Scuba diving setting



Setting status:

1. Press [S1] to turn on the backlight
2. Press [S2] to switch settings
3. Press [S3] to return to the previous menu
4. Press [S4] key: short press setting value+ 1, long press 2s settings quick increment (Loop)

Long Press S2 to enter the settings screen, rotate S2 to select SCUBA DIVE, short press S2 to enter the NITROX and SF settings

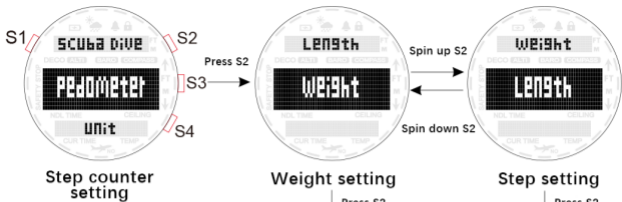
SF sets the diving conservative level, divided into three levels: Cons (Conservative) , Norm (Standard) , AGGR (non-conservative)

Cons grade is the shortest decompression dive time and AGGR grade is the longest

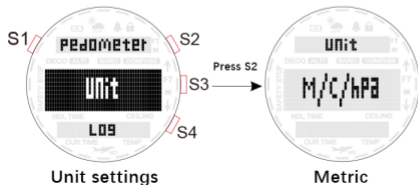
Note: make sure you understand the risks associated with changing this setting.

Nitrox set the oxygen content of the gas cylinder in the range of 21% ~ 56% ;

4-6 Pedometer settings

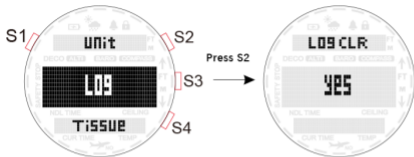


4-7 Unit setting



You can choose to use metric or imperial units

4-8 Log settings

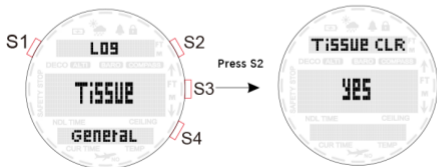


Log settings

Whether to clear the log

You can choose whether you remove the dive log

4-9 Tissue nitrogen removal



Set-remove tissue nitrogen press S2 to enter this option, press S4 to switch options to Yes (remove) , No (retain) .

Please note: **1.** Please do not use this feature, you must make sure you understand the theory of decompression and removal of residual nitrogen in the body related to the consequences. **2.** If you are absolutely sure that you want to hand the product over to another diver, be sure that there is no other diving activity recorded in the previous 72 hours. **3.** Also use it after you clear the log, and make sure you don't have any other diving activity for the first 72 hours. **4.** You are responsible for your own safety. Do not change this setting if you are unsure of the result of changing this setting.

5 Disclaimer

5-1 user responsibility

This device is for recreational use only. The NORTH EDGE AQUA is not intended for measurements and specifications that are required to meet professional or industrial grade requirements

5-2 Post-dive flight

No-fly time is displayed in watch mode. The aircraft icon is displayed at the bottom of the screen. Do not fly or travel to high altitude areas if your computer is marked no-fly. No-fly time is usually more than 12 hours. Diver Alert Network (DAN) offers the following advice on the no-fly zone:

1. Wait at least 12 hours before heading to high altitudes or flying at an altitude of 2,400m/8,000 ft to ensure that divers do not develop any symptoms of decompression illness
2. Divers who plan to undertake repeated dives over a period of several days, or who need to perform a decompression stop, should exercise special caution and continue to wait for an extended period of time after 24 hours before flying. In addition, the Institute of Underwater High Pressure Medicine (UHMS) recommends that divers using standard air, even if they do not have any signs of decompression illness, wait 24 hours after their last dive, to fly at an altitude of 2,400 m/8,000 ft.

Except in the following two special cases:

1. Within the last 48 hours, the total accumulated diving time is less than 2 hours, it is recommended to wait 12 hours before flying.
2. After a decompression stop, wait at least 24 hours, if possible 48 hours before taking a flight

It is recommended that you do not fly until Dan and UHMS have established a no-fly time, and until the no-fly symbol on the computer screen has disappeared.

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▲
NORTH EDGE



AQUA

Multi-function dive computer
Manual | 用户使用手册



NORTH EDGE

Break All Boundaries

Manufacturer: Xiamen North Edge Technology Co.,Ltd

Address: 34/F, T2 Building 2,TaiDiHaiXi, HaiCang Av., HaiCang, Xiamen, China