





























WARNING

- INGESTION HAZARD: This product contains a button cell or coin battery.
- INGESTION HAZARD: The product contains non user replaceable cell batteries.
- **DEATH** or serious injury can occur if ingested.
- A swallowed button cell or coin battery can cause Internal Chemical Burns in as little as 2 hours.
- KEEP new and used batteries OUT OF REACH of CHILDREN.
- Seek immediate medical attention if a battery is suspected to be swallowed or inserted inside any part of the body.
- BATTERY TYPE: CR2430.
- NOMINAL VOLTAGE: 3V.



WARNING

- Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children. Do NOT dispose of batteries in household trash or incinerate.
- Even used batteries may cause severe injury or death.
- Call a local poison control center for treatment information.
- BATTERY TYPE: CR2430.
- NOMINAL VOLTAGE: 3V.
- Non-rechargeable batteries are not to be recharged.
- Do not force discharge, recharge, disassemble, heat above (manufacturer's specified temperature rating) or incinerate. Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns.

Rev. 01/2023

Cressi congratulates you on your purchase of the LEONARDO dive computer, a sophisticated and complete instrument, designed to guarantee you maximum safety, efficiency and reliability at all times.

MAIN FEATURES.

DIVE COMPUTER

- · CRESSI RGBM algorithm. New algorithm from the Cressi Bruce Wienke collaboration based on the Haldane model integrated with RGBM factors for safe decompression calculation in multi-day repetitions.
- Fabrics: 9 with saturation half-times between 2.5 and 480 minutes:
- · Dive' programme: Comprehensive processing of dive data, including any decompression, of every dive performed with Air or EAN (Enhanced Air Nitrox).
- · Complete setting of %02 (oxygen percentage) and PO2 (oxygen partial pressure) parameters with the possibility of setting PO2 between 1.2 bar and 1.6 bar and %02 between 21% and 50%.
- · Possibility of a Nitrox dive following an air dive (even with desaturation in progress).
- · Deep Stop engageable or disengageable.
- 686E function for diving without decompression calculation and resettable depth stopwatch.
- · Display with 'PCD System' for perfect understanding and readability of values.
- · Battery change by the user.
- · 12/24-hour time with minutes and seconds.
- Calendar.
- · Dive planning with manual sliding of the safety curve.

- · Change of units from the metric system (metres and °C) to the imperial system (ft-°F) by the user.
- · Audible and visual alarms.
- · Graphical oxygen toxicity indicator at CNS.
- · Highly efficient backlit display.
- · Log book with possibility of storing up to 85 hours of profile.
- · Dive history memory.
- · Possibility of eventual Reset (desaturation reset), useful for instrument rental.
- Bluetooth interface with general data and dive profile (optional).

GENERAL WARNINGS AND SAFETY RULES.

IMPORTANT: Read the instructions! Read this instruction manual carefully, including the section on safety regulations. Make sure that you fully understand the use, functions and limitations of the instrument before using it! DO NOT use the instrument without having read this instruction manual in its entirety!

IMPORTANT: this instrument is to be considered as a diving aid and does not replace the use of dive tables.

A DANGER: NO DIVE COMPUTER CAN COMPLETELY FLIMINATE THE RISK OF DECOMPRESSION SICKNESS (MDD) (EMBOLISM). IT MUST BE VERY CLEAR THAT A DIVE COMPUTER CANNOT COMPLETELY ELIMINATE THE RISK OF MDD. IN FACT. THE COMPUTER CANNOT TAKE INTO ACCOUNT THE PHYSICAL CONDITION OF EACH INDIVIDUAL DIVER. WHICH CAN CHANGE ON A DAILY BASIS. IT IS ADVISABLE. THEREFORE. TO UNDERGO A THOROUGH MEDICAL EXAMINATION BEFORE ENGAGING IN DIVING ACTIVITY AND TO ASSESS YOUR

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PHYSICAL FITNESS BEFORE EACH DIVE. IT IS IMPORTANT TO REMEMBER THAT THE CIRCUMSTANCES THAT CAN INCREASE THE RISK OF MDD CAN ALSO DEPEND ON EXPOSURE TO COLD (TEMPERATURES BELOW 10°C), SUBOPTIMAL PHYSICAL CONDITIONS, SEVERAL SUCCESSIVE DIVES OR DIVES OVER SEVERAL DAYS, DIVER FATIGUE, THE INTAKE OF ALCOHOLIC BEVERAGES, DRUGS OR MEDICATIONS, DEHYDRATION. IT IS GOOD PRACTICE TO AVOID ALL THESE SITUATIONS AND THOSE THAT MAY PUT YOUR SAFETY AT RISK: EVERYONE MUST BE RESPONSIBLE FOR THEIR OWN SAFETY!

IMPORTANT: this instrument should only be used by certified divers: no computer is a substitute for thorough diver training. Remember that the safety of a dive is only guaranteed by adequate preparation.

IMPORTANT: the LEONARDO Cressi computer is designed for amateur sports use only and not for professional use requiring prolonged dive times, which increases the risk of MDD.

IMPORTANT: Perform preliminary checks before using the computer, checking the battery charge status and display indications. DO NOT dive if these are unclear or faded, and especially if the low battery icon appears.

IMPORTANT: During the dive, also equip yourself with a depth gauge, pressure gauge, timer or watch and decompression tables. Always ensure that the cylinder pressure is adequate for the planned dive and, while diving, frequently check the amount of air in the cylinders using the pressure gauge.

▲ DANGER: DO NOT DIVE AT ALTITUDE BEFORE SETTING THE CORRECT ALTITUDE LEVEL. CHECK THE ALTITUDE LEVEL ON THE DISPLAY ONCE IT HAS BEEN SET. REMEMBER THAT DIVING AT ALTITUDES HIGHER THAN 3,000 M (10,000 FT) ABOVE SEA LEVEL SIGNIFICANTLY INCREASES THE DANGER OF MDD.

DANGER: WAIT FOR THE 'NO FLY' ICON TO DISAPPEAR FROM THE COMPUTER DISPLAY BEFORE TRAVELLING BY AIR.

IMPORTANT: the use of this instrument is strictly personal; the information it provides refers exclusively to the person who used it during the dive or during the repeated series of dives.

ADANGER: CRESSI DOES NOT RECOMMEND USING THIS INSTRUMENT FOR DECOMPRESSION DIVING. HOWEVER, IF FOR ANY REASON YOU WERE FORCED TO EXCEED THE LIMITS OF THE SAFETY CURVE, THE LEONARDO CRESSI COMPUTER WOULD BE ABLE TO PROVIDE YOU WITH ALL THE INFORMATION RELATING TO DECOMPRESSION, ASCENT AND THE RELATIVE INTERVAL AT THE SURFACE.

IMPORTANT: do not dive with cylinders containing Nitrox mixtures without personally checking their content and the correct percentage of O2 (%O2). Then set this value on your computer for the mixture for which the computer will process the decompression calculations, remember that the computer does not accept decimal values of %O2.

IMPORTANT: Check the setting of the instrument parameters before diving.



△ DANGER: LEONARDO always maintains the last set oxygen percentage. It is essential for the diver's safety to always check this parameter before each dive.

ADANGER: CRESSI DOES NOT RECOMMEND NITROX DIVING WITHOUT HAVING SUCCESSFULLY COMPLETED A SPECIFIC COURSE RELATED TO THIS TYPE OF DIVING. THIS IS DUE TO THE FACT THAT SUCH DIVES MAY EXPOSE THE DIVER TO RISKS DIFFERENT FROM THOSE ASSOCIATED WITH AIR DIVING, WHICH MAY INCLUDE SERIOUS PHYSICAL INJURY AND IN EXTREME CASES. EVEN DEATH.

▲ DANGER: FOR SAFETY REASONS, THE LEONARDO DIVE COMPUTER HAS THE PO2 LIMIT SET BY THE MANUFACTURER AT 1.4 BAR EVEN WHEN DIVING WITH AIR. IF YOU NEED TO INCREASE THE SAFETY MARGIN EVEN FURTHER, YOU CAN SET THE PO2 TO LOWER VALUES, UP TO 1.2 BAR WITH DECREMENTS OF 0.1 BAR.

IMPORTANT: after a dive carried out with LEONARDO in GAGE mode (depth gauge-timer), the instrument does not perform saturation and desaturation calculations for the remaining 48 hours after using the depth gauge.

IMPORTANT: avoid all dives with highly risky profiles, such as, for example, those with a so-called 'yo-yo' profile, those with inverted profiles or several consecutive multi-day dives, as they are potentially dangerous and at high risk of MDD!

IMPORTANT: There is currently no validated scientific literature that allows more than two dives per day for periods of one or more weeks without the risk of decompression sickness. It is therefore important for one's health not to exceed two dives per day. It is also recommended to take a rest period of at least two hours between dives.

IMPORTANT: whenever you realise you are in the presence of factors that may increase the risk of MDD (decompression sickness) choose and set the most conservative Safety Factor (SF1 and SF2), thus making the dive safer.

NOTE: in the case of air travel, take the instrument with you in the pressurised cabin.

NOTE: Cressi reminds us that sports diving must be conducted within the safety curve and at a maximum depth of 40 m, the limit for sports diving: going outside these limits means significantly increasing the risk of MDD.

A DANGER: IT MUST BE VERY CLEAR THAT A DIVE COMPUTER CANNOT AND DOES NOT AIM TO ELIMINATE THE RISK OF SYNCOPE OR TARAVANA SYNDROME. IN FACT, THE COMPUTER MERELY INDICATES DIVE, SURFACE AND DEPTH TIMES. THE INFORMATION THAT IS PROVIDED TO THE DIVER HAS THE VALUE OF MERE DATA THAT BECOMES SAFETY INFORMATION ONLY AND EXCLUSIVELY ONCE IT HAS BEEN SIFTED AND PROCESSED BY THE HUMAN MIND. A SOUND AND THOROUGH THEORETICAL PREPARATION IS THEREFORE RECOMMENDED.

IMPORTANT: This instrument should only be used by certified divers: no computer can replace in-depth diver training.

IMPORTANT: The LEONARDO Cressi computer is designed for amateur sports use only and not for professional use.

IMPORTANT: Carry out preliminary checks before using the computer, checking the battery charge status and display indications. DO NOT dive if these are unclear or faded, and especially if the low battery icon appears.

IMPORTANT: Check the setting of the instrument parameters before diving.

NOTA: in the case of air travel, take the instrument with you in the pressurised cabin.

Cressi reserves the right to make changes to the instrument without prior notice as a result of the constant technological updating of its components.



INTRODUCTION

The LEONARDO Cressi computer is an advanced recreational instrument capable of providing all the necessary information on depth, dive times, any decompression requirements, ascent speed and surface intervals between dives (AIR and NITROX).

Nitrogen uptake and release is constantly processed by sophisticated software, adjusting it to the amount of inert gas contained in the various mixes that can be used. This information is shown on the instrument's display thanks to the PCD System (Priority Compartment Digit Display), which allows a simple and direct 'dialogue' between diver and computer, guaranteeing a perfect understanding of all the data useful at that precise moment and excellent readability in every situation of use. The computer is also equipped with a clock, calendar and has a versatile dive memory (logbook). LEONARDO's mathematical model can make calculations of the saturation and desaturation of a dive performed either using air or using hyperoxygenated mixtures (Nitrox).

In the latter case, it is possible to set all the parameters concerning the mixture of our dive: from the maximum PO2 value allowed (between 1.2 bar and 1. 6 bar), to the percentage of oxygen in the mixtures (%02): between 21% and 50% of 02 The instrument can also be set by the user in both metric (m-°C) and imperial (ft-°F) units. The LEONARDO dive computer can be connected to a portable device via the Cressi interface (accessory) and the relevant software (accessory).

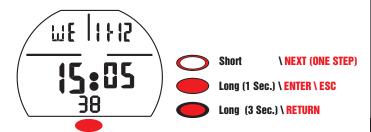
It is very important that you read this instruction manual carefully and understand its exact meaning; failure to do so could result in serious damage to your health: the purpose of this manual is to guide you in understanding all the functions of the computer before using it underwater.

HOW THE LEONARDO COMPUTER WORKS

CLOCK FUNCTION

LEONARDO features an intuitive, easy-to-read, multi-level circular menu.

FUNCTION OF BUTTONS



Short if pressed briefly, this button is used to scroll through the various menus and to set adjustments in ascending order. If pressed long (1sec) Long this button is used to enter the various menus and to confirm, if pressed (3sec) Long

If pressed for a long time (1sec) Long in predive, time - date or dive function, the display backlight is activated for 5 seconds.

SWITCH ON

To switch on the computer, briefly press the Short button : The computer appears on the PRE DIVE screen where all the dive data are displayed.



The computer is ready to start a dive.

Before diving Always check if the data are correct.

NOTE: The computer is able to switch on automatically during a dive within 20 seconds when the depth of 1.2m/4ft is exceeded, even if it is not switched on by the diver. Cressi nevertheless recommends turning the instrument on and checking its parameters.

The computer will return to the stand-by function (off) after 10 minutes of inactivity on the surface.

DESAT TIME

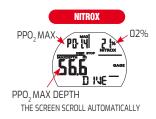
After a dive, if DESAT time is still active in AIR, GAGE mode, the computer will alternate between the DESAT screen and the PREDIVE screen.If DESAT time is still active in NITROX mode, the computer will alternate between the DESAT screen and the PREDIVE screen

SWITCH ON (DESAT) AIR



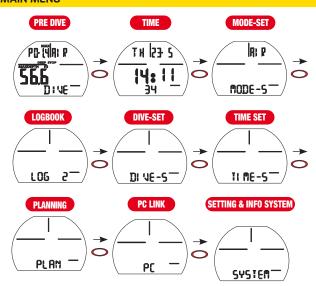


SWITCH ON (DESAT) NITROX





MAIN MENU



PRE DIVE AIR



The computer is ready for diving

From the TOP screen, briefly pressing the button, Short oscrolls through the main menu screens:

From each of these screens, pressing the Long accesses the relevant functions:



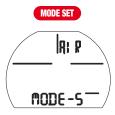
The computer is ready for diving

ORA/DATA



The current time and date can be viewed on this screen

MODE-S (MODE-SET)



The function $\{\{1,2,\ldots,4\}\}$ allows you to choose the desired dive mode.

SET will be displayed on the first line and the currently selected mode will be shown (flashing).

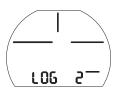
by pressing the Short button various modes can be selected

- AIR to control dives in air
- EAN for controlling dives in enriched air (Enhanced Air Nitrox)
- GAGE for the depth gauge function

Confirm the desired mode by pressing the Long button — until you hear the confirmation beep. Press the Long button (3 sec.) — to return to the main menu.

LOGBOOK

From this screen, pressing the Long button — accesses the dive log:



The memory allows up to 85 hours of profile recording. After 80 hours, the oldest dives will be progressively deleted.

Dives are numbered consecutively, from most recent to oldest. By briefly pressing the Short button \infty you can scroll through the dive dates



On the first line is the day month and year of the dive.

On the middle line the start time. In the case of a NITROX dive, GAGE will be displayed.

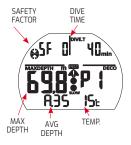
By pressing the Long button ____, the data for the selected dive can be displayed.

NOTE: the logbook is not resettable

LOG AIR

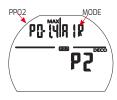
The AIR dive log consists of 2 pages that can be scrolled by briefly pressing the button Short

Page 1 shows:



- The safety factor SF (0/1/2)
- The total dive time DIVE.T (min)
- The maximum depth reached in the dive MAXDEPTH (m/FT)
- The number of the page being consulted P(1/2)
- The average depth of the dive A. (m/FT)
- The minimum temperature of the dive (°C/°F)
- Possible mountain icon
- Possible PPO2 set limit exceeded icon

Page 2 shows:



- The maximum partial pressure value PPO2 (1.2/1.6)
- The type of immersion (AIR)

LOG EAN

The EAN (NITROX) dive log consists of 2 pages that can be scrolled by briefly pressing the Short button on page 1:



- The safety factor SF (0/1/2)
- The total dive time DIVE.T (min)
- The maximum depth reached in the dive MAXDEPTH (m/FT)
- The number of the page being consulted P(1/2)
- The average depth of the dive A.(m/FT)
- The minimum temperature of the dive °C/°F
- Possible mountain icon
- Possible icon of exceeding the set limit of PPO2

On page 2 it is indicated:



- the maximum PP O2 partial pressure value (1.2/1.6)
- the percentage of oxygen in the mixture (21/50%) 02



DIVE-SET: Setting dive parameters. AIR / NITROX

Once the MODE SET (MODE-S) menu is set in the AIR mode, NITROX can be changed by accessing the DIVE SET (DIVE-S) menu.

Press the Long button to enter the dive-set menu.

The parameters which can be changed via the DIVE-S menu in AIR/ NITROX mode are as follows:

DEEPSTOP - SAFETY FACTOR (SF) - ALTITUDE (ALT) - DEPTH (DEEPTH ALERT) - OXYGEN PERCENTAGE (%O2 NITROX MODE) - PARTIAL OXYGEN PRESSURE (PPO2)

DEEP STOP

There are various scuba diving didactics and decompression theories around the world, and each of these has been developed on the basis of important scientific knowledge, laboratory tests and practical trials. Some of these, when conducting certain dives, support and require a deep stop or DEEP STOP while others do not contemplate such a decompression profile. LEONARDO is set by the company with DEEP STOP active.The DEEP STOP icon indicates the activation of the deep stop. Press the Long button , press the Short button briefly to activate/deactivate the deep stop, press the Long button until you hear the confirmation beep.

SF (SAFETY FACTOR)

The Safety Factor or Safety Factor is an additional parameter designed to make diving safer in the event of personal factors that increase the risk of MDD. It can be changed by the diver to three values: SF0/SF1/SF2. The manufacturer's default setting is SF0, i.e. off. To change the Safety Factor (SF) press the Long button and adjust the desired safety factor by pressing the Short button SF0/SF1/SF2). Confirm by pressing Long until the confirmation beep is heard.

ALT (ALTITUDINE)

When diving at altitude adjust the computer as follows: Press the Longe button then press the Short button to adjust the correct altitude value. Press the Long button until you hear the confirmation BEEP.

No mountain - 0 to 700 m
One mountain - 700 to 1500 m
Two mountains - 1500 to 2400 m
Three mountains - 2400 to 3700 m

Each icon indicates that the computer has consequently modified its mathematical model according to the set altitude.

The latter must obviously correspond to the actual altitude reached and must be within the computer's altitude level ranges (none, one, two, or three mountains). It is good to remember that when we go to high altitudes (higher altitudes than where we live), our physique undergoes alterations due to the oversaturation of nitrogen that must rebalance with the external environment. In the same way, it is important to

remember that, due to the lower partial pressure of oxygen in the atmosphere, our bodies require a certain period of acclimatisation. It is therefore advisable, after arrival at altitude, to wait at least 12 to 24 hours before diving.

▲ DANGER: LEONARDO does not automatically manage altitude dives, so it is essential to set the altitude level correctly and respect the acclimatisation period before diving.

△DANGER: Dives carried out at altitudes above 3,000 m a.s.l. result in a substantially increased risk of MDD.

DEPTH (MAXIMUM DEPTH ALARM)

The LEONARDO computer is equipped with a user-settable maximum depth alarm, which is very useful for educational diving. The alarm can be set from a maximum of 50m (164 FT) to a minimum of 10m (32FT) in steps of 2m (6FT). To set the maximum depth limit, from the DEPTH screen press the Long button to enter the function, then press the Short button to set the desired maximum depth and confirm with the Long button.

MAXIMUM DEPTH ALARM DURING DIVING

If the maximum set depth is exceeded while diving, 3 consecutive beeps will be heard and the depth value will start flashing until it returns below the set threshold.

NOTE: the computer is set by the factory with DEPTH in OFF.

OXYGEN PARTIAL PRESSURE PO2

LEONARDO is set by the company with a basic Partial Oxygen Pressure (PO2) of 1.4 bar for both Air and Nitrox dives to ensure maximum safety during any type of dive.

OXYGEN PARTIAL PRESSURE SETTING PO2 (AIR)

LEONARDO: In the PPO2 screen, press the Long key to enter the function. The partial pressure value will start flashing.

Briefly press the Short button ountil the desired partial pressure is set.

Press Long to confirm your choice, the computer will beep to confirm your choice

Then press the Long button to return to the main menu.

SETTING OXYGEN PERCENTAGE %02 AND OXYGEN PARTIAL PRESSURE PO2 (NITROX)

In the %02 screen, long press the Long button to enter the function.

The O2 percentage will start to flash. Press the Short button briefly to increase the oxygen percentage (Available values range from 21% to 50% in steps of 1%).



When the desired percentage is reached, press the Long button to confirm.

The computer will beep in confirmation.

Then press the Short button or briefly to switch to the PPO2 screen. In case you want to change the partial pressure, press the Long button to enter the function.

Then press the Short button obriefly to set the desired partial pressure and confirm with the Long button . The computer will beep for confirmation Press the Long button afterwards to return to the main menu.

IMPORTANT: The computer retains the last PO2 setting entered until manually reset by the diver to different values.

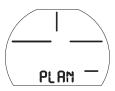
NOTE: As the maximum set PO2 and the percentage of oxygen in the mixture %O2 change, the computer tells us the maximum depth that can be reached.

IMPORTANT: The PO2 is set by the manufacturer to the basic (default) value of 1.4 bar, both for diving with air and for diving with Nitrox mixtures. This protects the diver's dive by following the values recommended for sports diving. Should it be necessary to increase the safety margin of our dive, it is possible to set the PO2 to lower values, up to a minimum of 1.2 bar. The available values range from 1.2 to 1.6 in steps of 0.1 bar. The set value will remain stored on the computer until it is set again by the diver.

TIME SET (TIME-S) time and date correction

From this screen, pressing the Long button accesses the time/ date correction function. By briefly pressing the Short button you can scroll through the following screens: H24/H12 - hours - minutes - d-m/m-d (day-month or month-day display) - day - month - year. Press Long to exit the function.

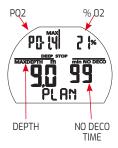
PLAN (immersion programming)



From this screen, press the Long button to access the PLAN function (planner): This function allows you to display, depending on the mixture used in the mode (Nitrox or Air), the no-decompression time still available at the various depths (safety curve). When you enter the PLAN function the display shows the SURF time (if any) in case you want to simulate diving in the following hours. If you want to set the SURF interval time press the short button to increase the surface time to the chosen value.



The available times are: 00:10, 00:20, 00:30, 00:45, 01:00, 01:30, 02:00, 03:00, 04:00, 05:00, 06:00, 12:00, 24:00.If you do not want to set a time interval, leave the value at 00:00 and go to the planner.If you want to simulate the dive immediately, from this screen, pressing the Long button will take you to the PLAN function



The values are given either for the first dive of a (possible) series or during the surface interval between two or more successive dives. In this case, LEONARDO takes residual nitrogen into account and reduces the times on the curve accordingly. The safety curve values (nodecompression times) for the various depths between 9m (29ft.) and 48m (157ft.) will appear on the screen, with manual increments of the latter by 3m (10FT) which can be obtained by briefly pressing the Short button Hold the Long button to exit the function.

NOTE: The PLAN function is disabled if the computer is in STOP or if it is set in the GAGE function.

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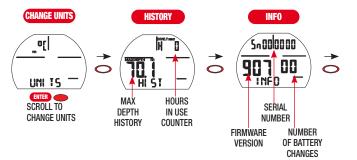
PC LINK - PC COMPATIBLE INTERFACE

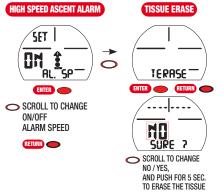
LEONARDO Cressi can be interfaced with a Personal Computer or portable device. To connect the two computers follow the steps below:

- Install the Bluetooth App on the portable device.
- Access the PC function of LEONARDO by pressing the Short button from the main menu. Then, following the instructions, you can download all the data contained within LEONARDO such as your dive profiles, and then see them played back, or printed out via the software.

SYSTEM - system menu

The system mode allows you to download data to portable devices, change system settings, reset the instrument, etc. From the SYSTEM screen, pressing the Long key takes you to the menu





UNITS - SETTING METRIC/IMPERIAL UNITS OF MEASUREMENT

The LEONARDO computer can indifferently perform its calculations either by expressing values in metric units (depths expressed in metres and temperatures expressed in °C) or in imperial units (feet and °F).To change units of measurement, from the UNITS screen press the Long button to enter the function, then press the Short button to change the unit of measurement and confirm by pressing the Long button. Check the set measurements, then press Long to exit the function.

HISTORY (HIST) - HISTORICAL DIVING MEMORY

The HIST screen shows the non-resettable dive history memory:

The first line displays the number of total hours of dive use Hxxx and the second line the maximum depth reached.

INFO

The INFO screen provides system information: The first line displays the serial number Sn xxxxxxThe second line displays the firmware version 1xx and the number of battery changes performed by the user.

The clock leaves the factory with the battery change counter at OO.

AL.SP - EXCLUSION OF ASCENT ALARM IN AIR/NITROX/GAGE MODES

This function deactivates the fast ascent sound alarm (over 12m/min).

ATTENTION: An excessively fast ascent speed increases the risk of decompression sickness! This function is reserved for instructors who take full responsibility for deactivating the ascent rate alarm (AL.SP). In any case, when activating this function the computer displays a crossed-out loudspeaker icon during the entire dive $\mathbf{1}^{X}$.

To activate the alarm override function, from the AL.SP screen press the Long button to enter the function, press the Short button briefly to change the ON/OFF setting, press the Long button to confirm your choice.

T.ERASE (TISSUE ERASE) INSTRUMENT RESET

The T.ERASE function resets any desaturation calculations that may be in progress to zero. Logbook, profile and dive history remain stored even after resetting the instrument. This function can be particularly useful when renting the instrument in Diving Centres

DANGER: Never reset the instrument if it is to be used underwater for subsequent dives!

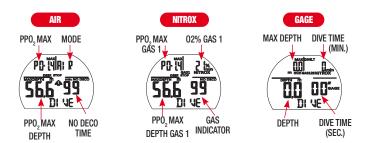
To reset the instrument from the T.ERASE screen press the Long button to enter the function, at which point the flashing message NO will appear, and the message SURE? Press the Short button briefly to toggle between NO and YES and then press and hold the button for 5 seconds: A countdown from 5 to zero seconds will begin, at the end of which three beeps will be heard to confirm that the instrument has been reset.



DIVE (PREDIVE)

The DIVE screen is the one that precedes the dive. From this screen you can check all the diver's previously set parameters.

It is important before diving to set the dive computer and check the correctness of the parameters that will accompany the diver throughout the dive.



A countdown from 5 to zero seconds will begin, at the end of which three beeps will be heard to confirm that the instrument has been reset.

IN IMMERSION COMPUTER FUNCTIONS

The LEONARDO computer can be set in three different modes:

- AIR if the dives are made with air and you wish to have the decompression calculation.
- NITROX if the dives are made with a Nitrox hyperoxygen mixture and you wish to have the decompression calculation.
- GAGE if you do not wish to have the decompression calculation but do wish to have the time, instantaneous depth, average depth of the dive.

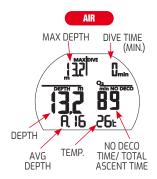
NOTE: The LEONARDO computer is set by the company to the AIR function for air diving with the PO2 pressure set to 1.4 and the oxygen percentage set to 21%. To set percentages other than Air 21% activate the mode

ATTENTION: Before diving it is recommended to set the computer to DIVE by pressing the Short button . In this way the computer will activate the calculation of the dive parameters in a maximum time of 2 seconds as soon as the depth of 1.20 metres is reached. In case of forgetfulness, the computer will activate automatically but in a maximum time of 20 seconds as soon as the same depth is reached.

DIVING IN SAFETY CURVE. AIR FUNCTION: Diving with air.

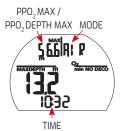
When set to AIR mode, the following information is shown on the display during a safety curve dive:

- Elapsed dive time (Dive.T min.).
- Current depth value (Depth m./Ft.).
- Maximum depth reached (Max m./Ft.).
- Average depth (m./Ft.).
- No decompression time (No Deco min.).
- Current temperature, expressed in °C or °F.
- Ascent rate indicator.
- Altitude level indicator if set.
- Safety Factor SF.
- Bar graph representing 02 toxicity level at CNS.



Other important information is obtained by pressing the Short button during the dive and represents:

- The maximum PO2 set.
- The selected mode (Air).
- The maximum attainable depth relative to the maximum PO2 set.
- The current time.





NITROX FUNCTION: Nitrox diving.

The LEONARDO computer keeps the previously entered Oxygen %02 setting memorised until the diver manually resets it to a different value. It is therefore important to understand the following: Artificial breathing mixtures entail very serious risks for man if they are not perfectly known, analysed and studied in all their aspects concerning diving activity. It is of fundamental importance to understand that THE MIXTURE THAT YOU BREATHE MUST BE EXACTLY EQUAL TO THAT SET ON THE COMPUTER. HOWEVER, the decompression and gas toxicity information provided by the computer WILL BE DANGEROUS FOR LIFE. Before, after and during a NITROX dive, it is imperative to check the Oxygen percentage and make sure that it exactly matches that of the cylinder.

BEFORE A NITROX DIVE.

The LEONARDO computer keeps the previously entered Oxygen %02 setting memorised until manually reset by the diver to different values. It is therefore important to understand the following: Artificial breathing mixtures entail very serious risks for humans if they are not perfectly known, analysed and studied in all their aspects relating to diving activity. It is of fundamental importance to understand that the mixture one breathes in must be exactly the same as the one set on the computer. Otherwise, the decompression and gas toxicity information provided by the computer will be life-threatening. Before, after and during a NITROX dive, it is imperative to check the Oxygen percentage and make sure it exactly matches that of the cylinder.

DANGER: The use of this computer with hyperoxygen mixtures (NITROX) is only intended for those who have successfully completed a comprehensive training course in the use of such mixtures.

DANGER: Do not dive with cylinders containing Nitrox mixtures whose oxygen content has not been personally verified.

IMPORTANT: Always check the %O2 (oxygen percentage) value set on the computer before starting the dive! This is possible on the surface via the main DIVE screen and the DIVE SET screen, which allow a quick view of the previously set parameters.

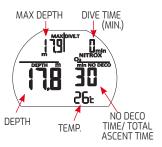
IMPORTANT: It should be remembered that for the same dive times, a Nitrox mixture provides longer no-decompression times than those with air. However, it is essential to strictly observe the maximum depth allowed by the Nitrox mixture used.

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DURING A NITROX DIVE

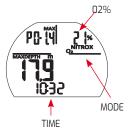
During a Nitrox dive on a safety curve, in addition to all the information of a normal air dive, the following will also be present:

- Bar graph representing the O2 toxicity level at CNS.
- NITROX icon



Other important information is obtained by pressing the Short oduring the dive and represents:

- The maximum PO2 set.
- The set oxygen percentage %02.
- The maximum attainable depth relative to the maximum set PO2.
- The current time.





LEONARDO considers the value of 1.6 bar as the maximum permissible limit of Partial Pressure and, depending on the mixture used, automatically indicates the maximum depth that can be reached. It should not be forgotten that even when using air, the oxygen toxicity limit can be reached. This limit varies depending on the PO2 set.

LEONARDO has a pre-set value of 1.4 bar, which corresponds to a maximum depth of 56.6 m (186 ft) in air. It is of course possible to set the computer to other PO2 values, up to a maximum of 1.6 bar only when you are on the surface in the DIVE-S PPO2 SET screen.

To warn the diver of excessive PO2, the computer presents an alarm PO2. Once the limit depth corresponding to the set PO2 (1.2 bar to 1.6 bar) has been reached, an acoustic alarm will sound and a visual alarm will be triggered at the same time, causing the PO2 icon and the current depth to flash. As soon as you go below the limit depth again, the acoustic alarm will cease and the current depth will stop flashing, as will the icon. The latter will however remain lit both during the rest of the dive and in the LOG BOOK.

CNS TOXICITY DISPLAY

The LEONARDO Cressi computer is able to graphically represent the level of Oxygen toxicity to the Central Nervous System (CNS). It is related to the Partial Pressure of Oxygen and the diver's exposure time to high Partial Pressures of Oxygen (PO2). The Oxygen toxicity level is represented in the display by a column consisting of a 5-segment bar, indicating increasing amounts of accumulated oxygen. When all segments are illuminated, it means that you have reached 100% of the maximum permissible CNS tolerance and are in serious danger of hyperoxia. It is therefore understandable how important it is to be able to constantly monitor this data which, being a function of the Partial Oxygen Pressure and exposure time, must always be kept under control during a dive. When the oxygen level reaches warning values, close to the maximum permissible toxicity (corresponding to 4 out of 5 lit segments), the bar graph starts flashing and a temporary sound alarm is triggered, indicating that a CNS toxicity situation is approaching. Should the situation remain so or worsen (100% toxicity permissible), the bar graph and text will continue to flash and the temporary audible alarm will be repeated until the Partial Oxygen Pressure falls below 0.6 atmospheres. At that point the bar graph stops flashing, but the alarm will still be reported in the Logbook.

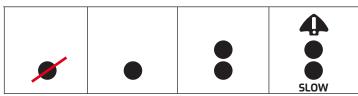


NOTE: The result of oxygen exposure calculations is rounded up to the next higher percentage value.

DANGER: Do not use hyperoxygenated mixtures, neither when diving nor when decompressing, without having attended specific courses. The Nitrox Base licence from the various training agencies only qualifies you to use standard hyperoxygen mixtures (Ean 32 and Ean 36), within the no-decompression limits.

SPEED OF ASCENT

The ascent speed is indicated on the display by a dot indicator, located in the centre of the display, which functions according to the table in the figure below. If, during ascent, the maximum permitted speed is exceeded, SLOW and the three flashing icons will appear on the display at the same time and an audible alarm will be heard. Under these conditions, ascent must be interrupted until the SLOW message disappears and the display returns to normal.



0.0 - 3.9 m/min. 4.0 - 7.9 m/min. 8.0 - 11.9 m/min. 12 - > 12 m/min. 0.0 - 12 ft./min. 13 - 26 ft./min. 26 - 39 ft./min. 40 - > 40 ft./min.

NOTE: If the maximum ascent speed of 12m/min - 40ft/min is exceeded for a prolonged time, the LEONARDO computer will make the next dive more conservative, but only if done during the desat time, in order to preserve the diver from the risk of MDD.

The icon **1** indicates that the penalty factor is active.

DANGER: Too fast an ascent speed exponentially increases the risk of MDD! Cressi always recommends that, at the end of each dive, you make a safety stop (commonly called "safety stop") of 3 min at 5m (16 ft.), which will be assisted by the computer (see next paragraph).



SAFETY STOP.

LEONARDO is programmed to automatically signal a safety stop (called a safety stop) after each dive deeper than 10m (30ft), as recommended by the latest teaching and diving physiology studies. This stop must be performed in a depth range of 5m (16ft.) to 3m (9ft.), for a duration of 3 minutes.



The stop is indicated on the display with the SAFE icon; the display in this condition clearly shows the duration in minutes and seconds with a countdown. The safety stop is not compulsory but is strongly recommended if, for example, the maximum ascent speed is repeatedly exceeded. Cressi recommends always respecting it in order to avoid safety problems.

NOTE: During the safety stop the maximum depth will be visible by pressing the Short button .

DECOMPRESSION WARNING ALARM

Whenever the time still available on the curve, indicated on the display by the NO DECO icon, falls to 3 minutes LEONARDO warns you by sounding an alarm. In this situation we are about to go beyond the limits of the safety curve and enter a decompression dive.

DEEP STOP

In order to avoid the risks associated with micro-bubbles which form during ascent, LEONARDO is able to suggest a deep stop (DEEP STOP) lasting one or two minutes (in the case of decompression diving) at a depth which varies according to the profile of the dive performed. During the dive, if the profile requires it, DEEP STOP will be displayed and an acoustic signal will be emitted. The stop icon will appear with the altitude and the stop time in minutes. If the Deep Stop is omitted by the diver, the warnings will be cancelled and the computer will recalculate the ascent plan without that stop.

NOTE: Check that deep stop is activated (see DIVE SET section).

NOTE: In this circumstance the maximum depth will be visible by pressing the Short button

DIVING OUTSIDE THE SAFETY CURVE (DECOMPRESSION)

DANGER: Do not use this instrument for diving outside the safety curve! Cressi does not recommend using this computer for decompression diving.

However, if during the dive, due to inattention or emergency, you were forced to go beyond the limits of the safety curve, LEONARDO would be able to assist you by providing all the information relating to a correct ascent and the relevant decompression stages. When exiting the curve, the computer emits an acoustic alarm and at the same time the display screen changes and appears as in the figure, providing the diver with the following information:



- Stopover icon with flashing DEC at the bottom of the display indicating that we have exited the safety curve and need to make decompression stops. The upward-pointing arrow will flash to prompt you to ascend.
- Depth of the first planned stop (the deepest one), indicated in metres (m) or feet (ft). This can vary from a maximum of 24 m, to a minimum of 3 m, decreasing by 3 m.
- Duration in minutes of the first (deepest) decompression stop.
- TOTAL icon indicating the total ascent time, i.e. the time needed to ascend to the deepest stage, respecting the ascent speed, plus the time needed to stop at that altitude and any other subsequent

- altitudes (including the deep stop if necessary), plus the safety stop time, plus the time needed to reach the surface after completing the decompression stages.
- Icon "DIVE. T" icon indicating elapsed dive time.

NOTE: In this circumstance the maximum depth will be visible by pressing the Short button .

DANGER: NEVER ascend above the decompression altitude. To avoid this situation accidentally, stay during decompression at slightly deeper altitudes than the stage but always within the depth range established for decompression indicated by the instrument with the two icons (arrows) simultaneously lit and not flashing. It is good to remember that decompression stops increase the amount of gas required to complete the dive.

Decompression Failure Alarm.

If, for any reason, the decompression stop is 'forced' by ascending above the depth indicated by the computer, an audible alarm will sound and at the same time, the decompression icon arrow will flash in the display, pointing downwards until you have descended to at least the stage depth or deeper than this. The computer allows a maximum of 2 minutes to correct this dangerous situation, which is clearly indicated by a continuous acoustic alarm. After 2 minutes have elapsed without the diver having returned to the decompression depth indicated, LEONARDO will enter the ERROR PROGRAM by flashing the "STOP" icon and will not be usable for the next 48 hours, allowing access only to the Logbook and History functions. Subsequently, on the PRE DIVE screen the computer will display the flashing "STOP" icon, together with the word DECO and



In addition to the AIR and NITROX modes, the computer is equipped with

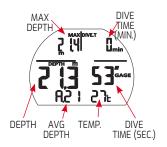
GAGE MODE: depth gauge and timer.

the stop icon with the arrow pointing upwards flashing, signifying that during the last dive the decompression stop was omitted. If you return to the water in the next 48 hours, LEONARDO will sound repeatedly and the word STOP will appear on the diaplay. The same warning will be stored in the LOG BOOK to indicate that on a given date the dive with the given number was made omitting the decompression stop.

DANGER: Under these conditions, you cannot dive for the next 48 hours. Monitor yourself in the event of the onset of MDD symptoms by contacting DAN and a hyperbaric centre and providing as much data as possible on the dive performed. In the opposite case, i.e. when you descend more than 1m below the stage depth, the arrow that will flash will be the one indicating to ascend.

a fourth programme called GAGE (depth gauge and timer) that can be used for so-called 'technical' divers. In this case the instrument only provides the basic parameters of the dive, i.e. depth, dive time, average depth, temperature, and does not in any way calculate tissue saturation and desaturation, which must be programmed and calculated with specific software and/or special tables. In this regard, Cressi reminds you that sport dives must be conducted within the safety curve and at a maximum depth of 40 m (limit for sport dives): going outside these limits means significantly increasing the risk of MDD! When set in GAGE mode, during a dive in the safety curve, the following information is shown on the display

- Maximum depth reached.
- Dive time (minutes).
- Current depth.
- Dive time (seconds).
- Average depth (A.).
- Temperature.



To display the current time, press Short

IMPORTANT: The LEONARDO computer is designed for amateur sporting use only and not for professional use, which requires prolonged dive times, increasing the risk of MDD.

DANGER: Cressi categorically advises against diving with gas mixtures other than air without having attended a specific course. This is due to the fact that so-called 'technical' diving can expose the diver to risks other than those of recreational diving, risks that can include serious physical injury and in extreme cases even death.

IMPORTANT: After an immersion in GAGE mode, the instrument does not perform saturation and desaturation calculations for the next 48 hours.

DANGER: If you decide to reset the instrument by entering the system mode, the nitrogen memory will be cancelled, so the instrument will no longer be able to calculate a subsequent dive as such. Never use this function unless at least 48 hours have passed since the last dive.

When the GAGE function is active, the GAGE icon will appear

NOTE: The LEONARDO job computer is set by the manufacturer in the MODE SET (MODE-S) AIR function.

COMPUTER USE WITH POOR VISIBILITY

At any time during the dive, if lighting conditions do not allow the display to be read easily, the backlighting of the display can be activated by pressing the LIGHT button. The display backlight lasts for a few seconds after which it will switch off automatically. During backlighting, some dark spots may appear on the display. These spots are not to be considered a defect but are due to the use of a high-contrast display.

SURFACE INTERVAL

After a dive made with MODE-S AIR or MODE-S NITROX, when ascending to depths of less than 0.8m, the display gives the following information

- Surface interval time in hours and minutes (SURF.T)
- Desaturation time (DESAT) that you must wait before you can make a flight (in hours and minutes).
- NO FLY time and its icon. When present, air travel or travel at altitudes higher than that of the dive site must be avoided.
- Maximum depth of the dive just passed.
 Duration of the dive just passed.

IMPORTANT: Following the indications of the main diving and hyperbaric medicine organisations, LEONARDO will apply no-flight times as follows: 12 hours after a single dive in the safety curve (without decompression). 24 hours after a dive outside the safety curve (with decompression) or after repetitive or multiday dives if performed correctly. 24 hours after using the GAGE function or if serious errors occurred in the conduct of the dive.

NOTE: Following the indications of the main diving and hyperbaric medicine organisations, LEONARDO will apply no-flight times as follows: 12 hours after a single dive in the safety curve (without decompression). 24 hours after a dive outside the safety curve (with decompression) or after repetitive or multiday dives if performed correctly. 24 hours after using the GAGE function or if serious errors occurred in the conduct of the dive.

CURA E MANUTENZIONE

LEONARDO Cressi was designed and built to withstand the harsh conditions of intense underwater use. It should be remembered. however, that it is a precision instrument that deserves all due care. It is good practice to avoid violent shocks, protect it from sources of excessive heat, always rinse it in fresh water after use, dry it thoroughly and never store it wet, and avoid contact with heavy equipment such as tanks.

IMPORTANT: Do not place the computer in contact with solvents or chemicals of any kind. Do not use compressed air to dry the computer. The button requires no special maintenance: never lubricate with oil or spray of any kind.

NOTE: When changing the battery, check the compartment: if there are signs of moisture inside, send the instrument to an authorised service centre. If there are any malfunctions, do not use the instrument underwater and contact an authorised Cressi dealer for an overhaul.

BATTERY REPLACEMENT.

Replacing the battery is a very delicate operation which must be carried out whenever the instrument indicates a low battery signal on the display. If the battery icon appears solid on the display, LEONARDO is able to perform all its functions. However, it is recommended, especially if the computer is used in cold places, to replace the battery as soon as possible.



If the flashing battery (icon) appears on the display, the dive functions are disabled for safety



IMPORTANT: Do not replace the battery when desaturation is in progress, as all data related to the desaturation calculation would be lost. If this happens, do not dive for the next 48 hours. After changing the battery, all settings revert to the last value set by the user. Time and date must be reset. To replace the battery, unscrew the cover on the back of the instrument using a coin. Remove the cover and observe the state of the battery and the compartment that contains it: if you notice signs of corrosion due to leakage, contact an authorised Cressi centre to have the instrument serviced. If everything appears to be in good condition, remove the battery from its housing, keeping the computer facing downwards. Replace the battery respecting the polarities (incorrect polarity may damage the instrument). Before closing the cover, check that there are no impurities on the housing and apply a light coat of silicone grease to the battery cover seal.

NOTE: It should be remembered that several factors affect the average battery life, such as the time the instrument was stored before purchase, the duration of dives, the use of backlighting, and the quality of the battery itself, whose average life varies with temperature, for example.

NOTE: Do not over-tighten the cap! Over-tightening not only does not guarantee a better sealing of the battery compartment, but could even lead to the cover itself breaking or to difficulties in opening it later. Do not touch or attempt to clean the pressure sensor! Any malfunctions will be excluded from the warranty.

NOTE: Make sure the instrument is watertight!

IMPORTANT: Any malfunctions or flooding due to incorrect battery replacement are excluded from the warranty.

Algorithm: CRESSI RGBM algorithm.

Sample fabrics: 9 with saturation half-times between 2.5 and 480 minutesDepth sensor:

- Calibration for salt water (in fresh water the indicated depths are approx. 3% less)
- Measuring range: 0-120m (0 ft. 393 ft.), measured every 1/2 second.
- Accuracy: +/- 1% (T 20°C).
- Reading resolution: 10 cm (0 to 100 m) / 1 m (100 to 120 m) / 1 ft (0 to 316 ft)
- Data acquisition interval 20 sec. in surface and 1/2 sec. in DIVE.

THERMOMETER:

- Resolution: 1°C / 1°F
- Measuring range: -5 °C +40 °C.
- Accuracy: +/- 2 °C / 10 min change °T.CLOCK:
- Accuracy: +/- 30 sec. average per month.
- 24-hour display.

BATTERY: 3V CR 2430 battery.



CRESSI LIMITED WARRANTY FOR CRESSI DIVE COMPUTERS AND ACCESSORIES

IMPORTANT NOTICE: This warranty does not limit the consumer's rights under applicable national legislation governing the sale of consumer goods.

Cressi provides this limited warranty to the purchaser of the Cressi dive computer and Cressi dive computer accessories (product).

During the warranty period, Cressi or an authorised Cressi service centre will, at its sole discretion, remedy any defects in materials, design and workmanship free of charge by repairing the product or replacing the product in accordance with this limited warranty.

However, if the product was purchased in a member state of the European Union, Iceland, Norway, Switzerland or Turkey and Cressi originally intended the product for sale in one of those countries, this limited warranty shall be valid and enforceable in all such countries.

For countries outside the European Union and other than Iceland, Norway, Switzerland and Turkey, provided that the purchaser agrees to pay a service fee and reimbursement for shipping costs incurred by Cressi or an authorized Cressi centre, it is possible to obtain service under the warranty in countries other than the country of purchase of the product. Any spare parts will be supplied free of charge in this case.

Guarantee Period

The warranty period commences on the date of retail purchase by the first purchaser. The product may consist of several components which may be covered by a different warranty period, in particular this limited warranty is valid for a period of:

- A) two years for dive computers
- B) one year for consumables and accessories, including but not limited to straps, buckles, etc. (whether included in the retail package or sold separately). (whether included in the sales package of the dive computer or sold separately).

To the extent permitted by applicable National Law, the warranty period shall not be extended or renewed or modified in any way as a result of subsequent resale, repair of the product or replacement of the product authorised by Cressi. However, parts of the product repaired or replaced during the warranty period, or the replaced product shall be warranted for the remainder of the original warranty period or for three months from the date of repair or replacement, whichever is longer.

How to make use of warranty services

If you wish to make a claim under this limited warranty, please contact your authorised Cressi retailer for information on how to make a claim; information will be provided on how to apply the warranty to your product. If you wish to return your product by shipping it to your authorised Cressi retailer, please ensure that transportation is prepaid. The validity of claims made under this limited warranty is subject to your notifying Cressi or an authorised Cressi service centre of the alleged defect within a reasonable time after the defect has been observed, and in any event no later than the expiry of the warranty period.

For any claim under this limited warranty, you must also provide your name and address, proof of purchase which must clearly state the name and address of the seller, the date and place of purchase and the type of product. Warranty claims will be fulfilled free of charge at the sole discretion of Cressi or an authorised Cressi centre and the product will be repaired or replaced within a reasonable time.

If the product is found not to comply with the terms and conditions set out in this limited warranty, Cressi or an authorised Cressi centre reserves the right to charge for servicing and/or repair.

Other important notes

If the Product is repaired or replaced, the data and content stored in the Product may be lost. Cressi or an authorised Cressi service centre shall not be liable for any damage to or loss of content or data during the repair or replacement of the Product.

Cressi therefore invites you to make back-up copies or make a written note of any important content or data stored in the Product. In the event of a refund, the product against which the refund is made must be returned to an authorised Cressi service centre, as it becomes the property of Cressi and/or the authorised Cressi service centre.In case of repair or replacement of the Product, Cressi or an authorised Cressi service centre may use new products or parts as new or reconditioned.



Cressi products are supported by a worldwide branches network, and they can provide support and warranty to customers. Ask for the closest one to you:



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