

seac
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TABLET

 **Bluetooth®**

U S E R M A N U A L



MADE IN CHINA



TABLET MANUAL

Congratulations on your purchase of a SEAC diving computer.

The SEAC TABLET dive computer is a technologically advanced device designed and manufactured to provide all the information that every diver needs.

- **WARNING!**

The complete user manual can be downloaded for free from www.seacsub.com.

GENERAL WARNINGS

- **WARNING!**

For your safety and in order to use the product correctly, download the complete user manual from www.seacsub.com and read it in full before using the SEAC computer.

Periodically check www.seacsub.com for any updates to the complete TABLET user manual.

- **WARNING!**

Using the computer incorrectly will void the warranty and can permanently damage the computer.

- **WARNING!**

Only use the dive computer after you have read all sections of the instruction manual and you have understood how it works.

- **WARNING!**

The dive computer is not a substitute for diver training and should only be used by divers who have been properly trained and who have earned the appropriate license issued by a Certified Teaching Association.

- **WARNING!**

The computer does not replace an understanding of decompression tables, which divers must always carry with them for safety, along with a depth gauge, a pressure gauge and a dive watch.

- **WARNING!**

The SEAC computer is an auxiliary device during a dive. Therefore, it is crucial that each diver always carry with them a suitable table that will enable them to conduct the decompression phase if the unit should malfunction.

- **WARNING!**

Freediving entails risks of syncope, taravana, pulmonary edema, and hemoptysis, while diving with a respirator involves risks related to decompression sickness, oxygen toxicity, nitrogen narcosis, and in general other risks connected to the dive itself: even a thorough reading of this manual and use of the instrument does not exclude potential dangers.

- **WARNING!**

The computer cannot take into account individual physiological changes that can change from one day to the next. For this reason it's good practice to use the device conservatively and cautiously, remaining within the limits shown by the computer in order to minimize the risks.

- **WARNING!**

It is strictly forbidden to freedive in the 12 hours after diving with scuba equipment!

Violating this rule could considerably increase the risk of decompression sickness.

- **WARNING!**

Do not share one computer between two divers during the dive. Every diver must have their own instrument to provide information and save only that diver's data.

- **WARNING!**

Before diving, you must check the battery charge. Do NOT dive if the low battery icon is shown on the display. Always check that the display shows no signs of any malfunction and that it is clearly legible.

The Battery icon on the display has 2 segments:

Segment 1: Battery Outline ==> Battery lower than Minimum Voltage (do not dive).

Segment 2: First Bar from the bottom ==> Battery lower than 2.1V (Low level. The voltage could plummet during a dive in especially cold water).

• WARNING!

Always check that the settings are correct for your dive, and don't allow anyone else to tamper with your computer before the dive. If it has been tampered with by another person, check that your settings are correct.

• WARNING!

It is important to keep in mind that your body undergoes changes, even daily changes, that a computer cannot account for. If your physical condition is not excellent, or if you feel any physical problems, do not dive!

• WARNING!

The normal functions of the product could be disturbed by strong electromagnetic interference.

In this case, simply reboot the product to restore normal function, following the instructions provided in this manual (see "Reset") and use the product in another position.

• WARNING!

Strictly avoid pressing on the side grill of the sensor with your fingers, especially if the sensor compartment is full of water, because this could distort the measurement of zero, and could therefore result in an incorrect measurement of depth during the next dive, with the consequence that the NDL/Deco data may also be inaccurate.

In DIVE mode, if you notice a measurement of anything other than zero on the surface, you need to reset the device to zero out the sensor measurement (see the instructions and warnings on using the RESET further on in this manual) or wait a few hours for the system to reestablish the correct zeroing.

SWITCHING ON THE TABLET

If your TABLET was switched off in OFF mode (Factory mode), press both buttons at the same time to restart it.

TABLET has a system that automatically turns off the display after it is idle for 3 minutes. To restart it, press either of the two buttons.

HARDWARE

Type:	Dive watch computer
Screen:	LCD Icons/Segments/Transflective matrix with user-adjustable contrast.
Backlighting:	LED, user-adjustable.
Battery:	CR2450, non-rechargeable, 3 V 600mAh, user-replaceable (we strongly recommend that you have this done at an authorized SEAC center, also replacing the O-ring in the battery compartment).
Buttons:	2
Alarm Type:	Audible and visual.
PC/Mac connection:	Bluetooth, serial via USB with special dedicated cable (optional).
Maximum operating depth	100 meters/328 ft

APPLICATION SOFTWARE

Updates:	Support by Bluetooth, serial via USB with special dedicated cable (optional).
Factory mode:	Supported to save energy, can be set by the user.
Auto Recovery:	Automatic reboot if software locks.
Restore:	Manual, though combination of buttons/time.
Decompression Algorithm:	Buhlmann ZHL-16C for Air/Nitrox.
Levels of conservatism:	Yes, based on Gradient Factor.
Mixes Managed:	Air/Nitrox, #3 (O_2 maximum 99%).
Dive modes:	Scuba, Gauge, Free (Apnea), and OFF (static)
Safety Stop:	Yes, user-customizable (depth and duration).
Deep Stop:	Yes, based on maximum depth reached.
Water Type:	Salt/Fresh.
Alarms:	MOD Violation, Ascent Speed, Deco Stop Violation.
LogBook Sampling:	Scuba/Gauge => 5 seconds; Free (Apnea) => 2 seconds.
LogBook Capacity:	Capacity approx. 40 hours (Scuba/Gauge mode) or approx. 18 hours (Free mode).
Planner:	NDL Air/Nitrox Calculation.
Stopwatch:	START / STOP / RESET / LAP.
Backlighting:	Auto
Units:	Metric / Imperial.
Watch:	24/12 hour format, dual time.
Reset:	Tissues/Settings.

TECHNICAL CHARACTERISTICS

Dive modes

The computer manages three dive modes:

I. Scuba mode:

Dive: when depth exceeds 150 cm/5 ft.

Emerge: when depth is less than 90 cm/3 ft.

II. Gauge mode:

Dive: when depth exceeds 150 cm/5ft.

Emerge: when depth is less than 90 cm/3 ft.

III. Free Mode:

Dive: when depth exceeds 100 cm/3.3ft.

Emerge: when depth is less than 50 cm/1.6ft.

IV. OFF mode:

The computer does not enter any mode. Ideal for those who want to take static apnea dives.

After a dive in SCUBA / GAUGE mode, the Computer stays on the SCUBA / GAUGE screen for 10 minutes after emerging, and therefore you cannot access the menu and submenu.

After a dive in FREE mode, the Computer stays on the FREE screen for 15 minutes after emerging, and therefore you cannot access the menu and submenu.

After a dive in SCUBA or GAUGE mode, FREE mode is inhibited and is not accessible for the next 12 hours.

After a dive in GAUGE mode, because tissue saturation is calculated assuming that the dive uses mix number 1, SCUBA mode is available.

After a dive in GAUGE mode, the Desaturation and NoFly times are updated with the new tissue saturation data. In particular, the NoFly time is set to 24 hours, as a precaution in favor of safety, regardless of the type of profile that was run.

After a dive in FREE mode, the residual Desaturation and NoFly time, if any existed before the dive in FREE mode, will be left unchanged.

If you Reset the Settings, the Computer will automatically start in SCUBA mode.

When the Computer is in Watch mode and you dive without manually entering dive mode (using the R button), the Computer will automatically launch the mode you selected most recently.

Decompression Algorithm

The computer uses the original Buhlmann ZHL-16C Decompression Algorithm, unmodified.

Levels of Protection

The TABLET allows you to select 6 levels of protection (conservatism), from 0 to 5. Level 5 provides the maximum protection.

Battery/Run-time

The computer is powered by a 3V CR2450 battery with a nominal capacity of 600 mAh.

The battery capacity varies based on environmental conditions.

The battery run-time varies depending on how the product is used and which functions are used.

The run-time drops noticeably when backlighting, audible alarms, PC connections, and updates are used.

The Battery icon on the display has 2 segments:

Segment 1: Battery Outline ==> Battery lower than Minimum Voltage (do not dive).

Segment 2: First Bar from the bottom ==> Battery lower than 2.1V (Low level. The voltage could plummet during a dive in especially cold water).

Theoretical run-time, linked strictly to the quality of the battery installed:

Mode	Theoretical average run-time (years)
Factory Mode	8.4
Watch	3.0
100 dives/year	2.9
200 dives/year	2.7
300 dives/year	2.1

The data indicated above:

refer to a new battery of recent manufacture (and therefore not subject to excessive auto-draining);

refer to use at 25°C/77°F;

refer to use that does not entail direct exposure to sunlight;

do not include drainage due to backlighting, acoustic alarm, the RF receiver, or Bluetooth;

assume each dive to be a total duration of 60 minutes.

USER SETTINGS RANGE

MENU	PARAMETER	RANGE	DEFAULT	UNIT	NOTES
MIX	MIX 1 O ₂ %	21-99	21	%	
	MIX 1 PPO ₂	1.20-1.60	1.40	bar	
	MIX 2 O ₂ %	21-99	50	%	
	MIX 2 PPO ₂	1.20-1.60	1.60	bar	
	MIX 2 ON/ OFF	ON/OFF	OFF		
	MIX 3 O ₂ %	21-99	50	%	
	MIX 3 PPO ₂	1.20-1.60	1.60	bar	
	MIX 3 ON/ OFF	ON/OFF	OFF		
MENU	PARAMETER	RANGE	DEFAULT	UNIT	NOTES
DIVE SET	MODE	SCUBA/ GAUGE/ FREE	SCUBA		
	SFT LEVEL	0-5	0		Level of conservatism of the algorithm
	S.S. TIME	0-5	3	Min	
	S.S DPT	3-6	5	m/ft	
	DEEP STP	ON/OFF	OFF		
	WATER	SALT/ FRESH	SALT		
MENU	PARAMETER	RANGE	DEFAULT	UNIT	NOTES
ALARMS	DECO VLT	ON/OFF	ON		Decompression stop violation
	MOD VLT	ON/OFF	ON		Violation of maximum operating depth for breathed mix
	ASC SPD	ON/OFF	ON		Ascent rate violation

MENU	PARAMETER	RANGE	DEFAULT	UNIT	NOTES
DISPLAY	BKL LEV	0-3	3		
	BKL TIME	2-10	3	Seconds	
	CNTRAST	0-5	0		
MENU	PARAMETER	RANGE	DEFAULT	UNIT	NOTES
SYS SET	TIME	-	-		
	DATE	-	-		
	UTC LOC	-12:00 / +14:00	+1:00		GMT +1
	UTC HOME	-12:00 / +14:00	+1:00		GMT +1
	FORMAT	24/12	24		
	UNITS	METRIC/ IMP	METRIC		

REPLACING THE BATTERY

- **WARNING!**

Batteries should always be replaced by an authorized SEAC Center, because this is a delicate operation with a high probability of subsequent flooding of the TABLET if performed by inexpert personnel.

SEAC declines all responsibility for problems resulting from changing the battery.

- **WARNING!**

When replacing the CR2450 battery, it's a good idea to also replace the O-ring of the battery cap an original SEAC O-ring.

- Unscrew and remove the two screws from the battery compartment.
- Insert a small flathead screwdriver into the special opening located on the bottom of the cap to lift the lid.
- If needed, again using the small flathead screwdriver, prize up the battery from its housing and remove it.
- Insert the new battery, snapping it into its housing and making sure that



the "+" polarity sign is facing outward.

- e) Remove the old O-ring from the housing in the metal cover and replace it with the new one. Make sure that the O-Ring is not damaged, and once inserted make sure it isn't twisted at any point.
- f) Position the cover on the TABLET case, and press it evenly downward. Make sure that in the area around the screws, the cover is flush with the case.
- g) Keep the cover pressed down on the TABLET case while replacing the two screws. Although the four screws are screwed through four metal inserts fixed in the case, we recommend not tightening with excessive force to reduce the risk of stripping. The recommended torque is 12 Ncm. The O-ring seal on the battery compartment is radial, so excessive closing force on the compartment screws is not necessary.

NOTE

Do not dispose of used batteries in the environment or discard them as ordinary waste; we recommend using special battery disposal services.

TABLET SERIAL NUMBER

The TABLET serial number is engraved on the back of the case and can also be viewed on the display in the "INFO" function along with the version of the firmware installed.

CE CERTIFICATION

The TABLET is compliant with EC Directives.

The EU Declaration of Conformity is available at: www.seacsub.com

CARE AND MAINTENANCE

- Keep your computer clean and dry. Do not expose the computer to chemical agents, including alcohol. Use only fresh water to clean your computer, removing all saline deposits. Leave the computer to dry naturally; do not use jets of hot or cold air. A jet of pressurized air hitting the pressure sensor could damage it irreparably.
- Do not expose the computer directly to the sun or to sources of heat above 50°C/122°F. Store the computer in a cool (5°C-25°C/41°F-77°F) and dry place.

- Do not place the computer in a hyperbaric chamber.

The computer is designed for a reading accuracy of +/- 2%. The degree of accuracy required by the European standards is +/- 3.5%.

European standards require that the unit be checked periodically to monitor the precision of its depth and time readings.

- The warranty will be forfeited if the computer is opened by an unauthorized service center.
- The computer is manufactured to withstand use in seawater, but after the dive you must rinse it thoroughly in fresh water and not expose it to direct sunlight or sources of heat to dry it.
- Check that there are no signs of humidity inside the display.
- Do not attempt to open, modify, or repair the computer yourself. Always contact an Authorized Center or SEAC directly.

• WARNING!

If you observe any humidity inside the mineral glass, the TABLET must be taken to an authorized SEAC center immediately.

• WARNING!

The mineral glass is subject to possible scratches resulting from improper use.

• WARNING!

Do not use jets of compressed air to dry or clean the TABLET. This could damage the pressure sensor.

• WARNING!

Do NOT use solvents to clean the product. Use only running water.

CERTIFICATE OF WARRANTY

The warranty has a duration of two (2) years for the non-professional end user in accordance with current European regulations.

To exercise the warranty, you must display a copy of your proof of purchase upon request.

SEAC guarantees the correct operation of this product as described in this document.

The warranty herein can be exercised according to the conditions and limits expressly indicated below:

1. The warranty has a duration of two (2) years starting from the time the product is purchased at a SEAC authorized dealer and requires no prior or subsequent formal validation.
2. The warranty is acknowledged only to the original buyer of the product at a SEAC authorized dealer. The warranty is strictly individual; it is not transferable to third parties unless previously and explicitly authorized by SEAC.
3. The warranty covers all damage to the device caused by malfunctions arising from factory defects. Each device is tested in a hyperbaric chamber before it is made available for purchase.

The warranty covers operating defects deriving from:

- Intrinsic defects caused by the use of materials considered unsuitable.
- Clear errors in the design, manufacturing, or assembling of the product or its components.
- Incorrect or inadequate instructions and recommendations for use.

4. Any repairs, modifications, transformations, adjustments or tampering in general carried out on the finished product or parts of it that are not authorized in advance by SEAC or that are carried out by non-authorized personnel automatically and immediately void the warranty.
5. The warranty entitles you to assistance and free repair in the shortest possible time, or to a full free replacement of the product (at the sole discretion of SEAC) or parts of it whenever a malfunctioning defect specifically described in item 3 above is acknowledged by SEAC.

6. This warranty may also be exercised by shipping the product believed to be defective to SEAC. The authorized intermediary for this operation must be the SEAC dealer where the product was purchased. If this is not practically possible, solely upon authorization from SEAC, customers may be authorized to send the defective product to any other SEAC dealer or directly to SEAC itself.

In order to exercise the warranty, the product must be accompanied by proof of purchase in the form of a copy of the receipt or invoice (or other equivalent fiscal record showing the name of the authorized SEAC dealer from which the product was purchased as well as the date of purchase).

Whenever SEAC receives a product which:

- is not accompanied by proof of purchase having the above mentioned characteristics;
- is in such condition as to determine the termination of the warranty in accordance with the provisions of item 4 above;
- has defects resulting from external and additional causes as compared to the ones specifically mentioned at item 3 above;
- has been used improperly and/or for uses other than those for which the product was designed;
- has clearly been damaged or deteriorated through intensive use or normal wear;

SEAC will not carry out any investigations on the product, and will advise the sender/authorized dealer.

If the sender still wishes an inspection to be performed, a request to that effect must expressly state that he/she is willing to bear all the costs relevant to said inspection (labor, spare parts if any, and shipping charges).

Failing this, SEAC will return the product at the expense and care of the recipient.

The warranty always excludes defects or imperfections deriving from:

- Damage caused by water seepage resulting from improper use; for example, dirty, damaged, or badly mounted seals resulting from changing the battery, incorrect closure of the battery compartment, etc.
- Rupture or scratching of the case, glass, or strap as a result of strong impacts.
- Damage resulting from excessive exposure to elevated or low temperatures.

- Damage caused by the use of compressed air to dry and/or clean the dive computer.
- Improper use or excessive stress.
- Failure to follow the usage instructions.
- External agents, such as damage due to transport, blows or falls, atmospheric agents, natural phenomena, or chemical agents.
- Unauthorized personnel performing maintenance or repairs or opening the device.
- Pressure testing out of the water.
- Accidents while diving.
- Use other than that intended for the product, or other than that indicated in the instruction manual. The warranty does not cover depletion of batteries.

Repairs or replacements made during the warranty period do not imply any right to an extension of the warranty itself.



WARNING

- **INGESTION HAZARD:** This product contains a button Cell or coin battery
- **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: CR2450
- Normal voltage: 3V



Note:

- "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."
- Identification of compatible battery type
- Nominal battery voltage
- "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."
- "Ensure the batteries are installed correctly according to polarity (+ and -)."
- "Do not mix old and new batteries, different brands or types of batteries, such as alkaline, carbon-zinc, or rechargeable batteries."
- "Remove and immediately recycle or dispose of batteries from equipment not used for an extended period of time according to local regulations."
- "Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children."

• CE statement

Model number: Tablet Diving Computer
Bluetooth (Transmit and receive):
Frequency range: 2 402-2480MHz
RF output power: 6 dBm max.

Manufacturer:

Latitude Limited
7/F, Southeast Industrial Building,
611-619 Castle Peak Road,
Tsuen Wan, N.T., Hong Kong

• FCC Caution:

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

• IMPORTANT NOTE:

Note: 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.

• FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

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