

User Manual



SEABOB
F9/F95

Introduction

Congratulations on the purchase of your new SEABOB! This innovative water sports vehicle allows you to move in the water in a virtually silent and ecologically friendly way without producing emissions. During its development, special emphasis was placed on the hydrodynamics and ergonomic handling of the SEABOB. Furthermore, the SEABOB impresses with its exclusive design, combined with powerful performance and advanced technology.

Like any watercraft, the SEABOB requires strict adherence to certain precautions during use. Therefore, please read this manual carefully - especially the safety instructions and the regulations for proper use - before using the SEABOB.

Immerse yourself in a fascinating new world of experiences! We hope you have lots of fun with your SEABOB!

The following pictograms are used in this manual to highlight important information:



WARNING

Serious injury / death possible. This symbol indicates that operating the SEABOB involves a hazardous situation that, if not avoided, could result in death or serious injury.



CAUTION

Minor to moderate injury possible. This symbol indicates that operating the SEABOB involves a hazardous situation that, if not avoided, could result in minor or moderate injury.



NOTICE

Property damage possible. Not heeding this information may result in damage to or destruction of the SEABOB or other property.

Tip: Application tip / useful information to help you better understand the operation of the SEABOB.

CAYAGO is constantly working on optimizing its products in line with technical progress and therefore reserves the right to make changes to the product features described here at any time and without notice, and thus to deviations in features and functions from the descriptions and illustrations in this manual.

SEABOB is a registered trademark.

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WARNING

Attention! Read this!

1. Safety instructions

The SEABOB was built using state-of-the-art technology, complies with applicable standards and is safe to operate. However, improper use and failure to follow the safety instructions may endanger the life and limb of the user and / or other persons. Furthermore, the SEABOB and other property of the user or third parties may be damaged or destroyed.

Therefore, please read this manual, including the safety instructions, carefully before using your SEABOB for the first time. This will provide you with important information about the safe operation of the SEABOB, protect yourself and others from hazards, and prevent damage to the device and other property. Failure to follow these operating instructions may result in serious injury or damage to the product.

Please keep this manual carefully and always at hand as a reference. Provide the manual when passing on the device. Please retain the packaging for optimal protection and future use (e.g., if you send the device in for service).



NOTICE

TOTAL DISCHARGE!

AVOID FULLY DISCHARGING THE BATTERY!

Charge the SEABOB

- **immediately after delivery (within 1 week),**
 - **after each use (within 24 hours) and**
- **during longer storage periods (trickle charge)**
 - **to at least a charge level of 50 %,**

in order to prevent irreparable full discharge of the valuable high-energy Li-Ion battery cells.

1.1. Special safety instructions



WARNING

Pay particular attention to the following very important safety instructions!

Special safety instructions for the SEABOB

- Strictly follow the operating instructions! Failure to observe these instructions may result in serious accidents and injuries, as well as damage to property and equipment!
- Only suitable for swimmers 16 years and older!
- Do not use as a buoyancy aid!
- Wear a life jacket when not near the shore or boat!
- Wear close-fitting clothing (without loose straps or ribbons)!
- Wear a swimming cap or hair net if your hair is below shoulder length!
- Do not reach into openings (jet channel)! Rotating parts!
- Use only in protected waters!
- Do not use in strong currents, high waves or poor visibility! Do not use in areas where swimmers or divers are present!
- Keep a distance (at least 5 m / 16 ft) from other people and objects!
- Do not use in water depths below 1 m / 3 ft!
- Always check the battery charge level and return to shore in good time!
- Do not store in the sun or in a closed vehicle!

Special safety instructions for the batteries

- Be sure to follow the operating instructions!
- Do not heat above 60 °C / 140 °F!
- Do not store in the sun or in a closed vehicle!
- Do not short-circuit!
- Do not open!
- Do not pierce!
- Do not push!
- Do not ignite!
- Only use chargers supplied by CAYAGO AG and intended for the respective SEABOB model!
- Charge only in dry places!
- Never transport a fully charged SEABOB by plane or over long distances!
- Observe the regulations regarding charging, discharging, storage and transport!
- Failure to comply may result in the release of flammable gases and cause serious injuries!

Special safety instructions for the charger

- Be sure to follow the operating instructions! Failure to observe these instructions may result in serious accidents and injuries, as well as damage to property and equipment!
- Only connect the charger if the mains voltage of the socket corresponds to the information on the type plate.
- Do not expose to direct sunlight! Do not open!
- Use only with clean and dry plug connections!
- Never use if cables or plugs are damaged!
- If the power cord and / or charging cable of the charger is defective, it must only be replaced by authorized service personnel from CAYAGO to avoid hazards!
- Improper modification or improper repair of the charger may impair the operational safety of the charger, which may result in electric shock or a short circuit and subsequently a fire!
- Only charge in dry, cool and well-ventilated places!
- Do not immerse the charger, cables, or plugs in water or other liquids! Do not use a steam cleaner for cleaning!
- Never fill the charger with liquid!
- Never touch the power plug or charger plug with wet hands!
- Do not leave the SEABOB and charger unattended during charging!
- Do not charge the SEABOB near flammable materials!
- Do not cover! Ensure free air circulation!
- Heats up during charging! Allow to cool before handling!
- Use in potentially explosive areas is not permitted!
- Keep the charger, plugs, and cables away from open flames and hot surfaces!
- The charger may only be used in dry indoor areas!
- The charger must be protected from moisture and disconnected from the power supply before cleaning!
- Never expose the charger to the effects of weather (rain)!
- Do not use the charger if the plastic parts of the product are cracked or broken!
- Unplug the power cord from the wall outlet when you are not using the product, cleaning it, or if a malfunction occurs!
- For reasons of electrical safety, the charger may only be opened by authorized service personnel of CAYAGO AG!



NOTICE

Never expose SEABOB and charger to high temperatures (maximum 60 °C / 140 °F) such as from open flames, direct sunlight, in a closed vehicle or trunk.



WARNING





When exposed to heat, flammable gases may escape and cause serious injury. The TFT display may also be irreparably damaged if exposed to heat.












WARNING

Never transport a fully charged SEABOB by plane or over long distances. The SEABOB must only be partially charged (30 % charge) during transport. Failure to do so may result in flammable gases escaping and causing serious injury or death.





WARNING General safety instructions concerning the user

- Only good and experienced swimmers aged 16 and above are allowed to use the SEABOB.
- Due to its high propulsion power, the SEABOB is prohibited for children and young people under 16 years of age. As with any motorized vehicle, persons operating the device must do so responsibly and with proper supervision.
- Minors (16 years and older) may only use the SEABOB under the supervision of a responsible adult.
- The SEABOB was not designed as a swimming aid or flotation device. Users may lose the craft in the water. The SEABOB is not a substitute for a life jacket, life preserver or other flotation device. For this reason, you should wear a life jacket at all times when operating the SEABOB.
- Only move as far away from the shore or the accompanying boat as you can swim back under your own power if necessary. Pay attention to local current conditions that could carry you away.
-  **WARNING** Persons with pacemakers are not permitted to use the SEABOB. Strong magnetic fields from the motor and current-carrying cables can severely interfere with a pacemaker resulting in possible death!
-  **WARNING** Pregnant women are not permitted to use the SEABOB. During operation the SEABOB may press against the stomach when driving and / or the jet of water coming out of the device may come into contact with the abdomen potentially causing serious injury.
- Never use the SEABOB under the influence of alcohol, medication or drugs, as using the SEABOB requires very quick reactions and alcohol, medication and drugs significantly reduce reaction time.
- Only use the SEABOB if you are completely healthy. Even if you only have a light head cold, diving may cause problems when you try to equalize the pressure in your ears
-  **WARNING** Only wear tight-fitting clothing (without loose straps or bands) when using the SEABOB. Wear a swim cap or hair net if you have shoulder-length or longer hair. Although the SEABOB is equipped with the tightest lamellas possible, it is technically impossible to completely prevent items of clothing, thin ropes, or shoulder-length hair from entering the jet channel and becoming wrapped around the drive shaft due to the jet drive's powerful suction power. Should this occur, there is a risk of injury or death!
- Wear diving goggles for better visibility.  **CAUTION** Despite all precautions, there is a risk that diving goggles come off during operation of the SEABOB and for the driver's contact lenses to be lost.
- Water flowing against and over the body is not only strenuous but also draws body heat away. It is recommended to wear a sufficiently warm diving suit.






WARNING General safety instructions concerning the SEABOB

-  **WARNING** Never reach into the jet channel with the rotating impeller. The tightly fitted protective shields, with their special, hydrodynamically optimized profile, allow water to enter and exit the device without any obstructions. Always ensure that children and young people, especially those near the SEABOB, do not reach into the jet channel.
- Always check that the jet channel is not damaged in any way. Never remove the protective lamellas.
-  **WARNING** Risk of injury from rotating impeller!
- Ensure that no sand, dirt, stones, ropes or other foreign objects enter the jet channel.
-  **WARNING** Never remove foreign objects from the jet channel while the SEABOB is in the water and / or switched on. Risk of injury!
-  **WARNING** Never manually insert any objects into the jet channel. Risk of injury!
- Never leave the SEABOB unattended to prevent it from being used by children or other inexperienced people. Turn off the SEABOB after use (Sleep mode).
-  **WARNING** Due to its weight, please ensure that the SEABOB does not fall on you or other persons in the water or on land. Risk of injury!
-  **CAUTION** When cleaning or storing the SEABOB, never stand it upright on the front bumper or the water outlet of the jet channel. The SEABOB could tip over and become damaged or damage other objects. There is also a risk of injury to people nearby.
- Carry the SEABOB only by the two carrying handles on the left and right side of the device, never by the Controlgrips or the display panel.
- Always place the SEABOB and charger in the shade. Keep in mind that they can naturally become hot in the sun.
-  **WARNING** Touching hot surfaces may cause burns! If exposed to heat, flammable gases may escape and cause serious injuries.
- Moor the SEABOB safely if you decide to leave it in the water for a short time. Make sure the SEABOB cannot come loose, obstruct, or injure anyone. Secure or moor the SEABOB only by the two carrying handles on the left and right of the vehicle, never by the Controlgrips.
- Before charging the SEABOB, check that the connection port and connector are completely clean and dry. Never open the twist lock on the connection port while the SEABOB is in water. Wet and / or dirty connectors can cause a short circuit, which can destroy the charging contacts on the SEABOB when charging the SEABOB.  **WARNING** Risk of fire due to short circuits!
- Always ensure that the Trigger is functioning properly. When you release the Trigger, the SEABOB should immediately switch off. The Trigger must move freely throughout its entire travel and always be able to return to the off position without hindrance. A damaged or jammed Trigger must be repaired or replaced immediately. Contact the manufacturer or your specialized dealer without delay. If the Trigger is defective, you can stop the motor by holding down the Minus button until the power indicator on the display shows "0 %" power.
- Always switch off the optional front lights after each use. The front lights can become hot when switched on.  **CAUTION** Risk of burns when touching! Wait until the front lights have cooled down before touching them.





WARNING General safety instructions concerning the SEABOB

-  **WARNING** Never run the motor out of the water for more than approximately 10 seconds. The motor seals and the hard-coated motor shaft are designed for operation in water only and can overheat and be damaged if run dry without water cooling. Risk of short circuit!
- The securing device at the stern is used exclusively for attaching the optionally available pilot belt system. It is not suitable for lifting the SEABOB. Therefore, never use this attachment point to lift the SEABOB using a crane or other lifting device. The attachment point could tear out of the SEABOB housing during lifting. This could cause the SEABOB to fall and become damaged. There is also a risk of injury to people nearby.
- Use the securing device exclusively for the pilot belt system provided the manufacturer or your specialised dealer. Never attach any other objects or attachments, such as ropes or straps, to the eyelet. Risk of injury!
-  **WARNING** Never open the SEABOB yourself. Repairs and maintenance work on the SEABOB that go beyond the work described in Chapter 9 "Maintenance and care" and Chapter 10 "Troubleshooting" may only be carried out by authorized specialist personnel, as there is a significant risk of injury and the SEABOB could be damaged.
-  **WARNING** Never tamper with or modify the SEABOB or charger, as this can lead to life-threatening injuries.
-  **NOTICE** If the SEABOB is damaged, especially the connection port with the twist lock, stop using it immediately and remove the device from the water to prevent further damage. Contact the manufacturer or your specialized dealer immediately.
- Only use spare parts and accessories supplied by CAYAGO AG.

WARNING General safety information concerning operation

- The user of the SEABOB has no special rights with regard to operation of the craft. Operators must always observe all necessary duties of care conscientiously and prudently.
- Take enough time to learn how to handle the SEABOB. Only attempt difficult maneuvers like full speed and diving once you have mastered basic maneuvers like steering by shifting your body weight and legs, as well as stopping or braking in the water. Always only go at a speed that allows you to have complete control of the SEABOB. Use the SEABOB only with consideration and responsibility for people, animals, plants and the environment.
- Use the SEABOB only in protected waters and in the company of another person or under constant supervision to ensure immediate assistance is available in an emergency. Have a boat accompany you if you venture further from shore. Always maintain a sufficient distance (at least 5 m / 16 ft) to other persons and objects.
-  **WARNING** Do not use the SEABOB in strong currents, strong winds (maximum wind speeds between 13-18 mph), poor visibility or bad weather. You could endanger yourself and others. In particular, never use the SEABOB during a thunderstorm. Get out of the water promptly. Risk of death! Always be prepared for sudden changes in the weather. Always, check the weather forecast before you set out and pay close attention to local weather conditions.
-  **WARNING** Do not use the SEABOB in high waves (maximum 0.5 m / 1.5 ft). The SEABOB could seriously injure you or others. It could detach from you and / or be thrown at you or others by a wave with great force.
- Always start your drive with low engine power. Increase the power gradually during the drive to familiarize yourself with the SEABOB's handling characteristics. You must be able to safely control the SEABOB at all times. Risk of collision and injury!
-  **WARNING** Make sure you have selected the appropriate driving mode (Normal / Dive / Sport). Due to the rapid acceleration, Sport mode is only designed for driving the SEABOB on the water surface. For diving, select Dive mode. Risk of collision and injury!
- Hold on tightly to both Controlgrips on the SEABOB. High acceleration forces can occur, especially when starting off. To fully utilize the SEABOB's performance potential, we recommend using the optional pilot belt system. This allows for comfortable driving even at high performance levels. Please be sure to read the "Pilot Belt System Information Sheet" before use.
- To brake, keep a firm grip on both SEABOB Controlgrips and release the Trigger in your right hand. The motor stops and water resistance slows the device. Keep in mind that you will only come to a stop after traveling approximately 2-3 m / 7-10 ft from full speed. You can shorten the braking distance by turning the SEABOB sharply across the direction of travel and lifting yourself without releasing the device. This keeps the SEABOB under control, significantly increases water resistance and brings you to a stop as quickly as possible.
-  **WARNING** If the SEABOB is released at full speed, it can travel up to approximately 3 m / 10 ft and submerge briefly up to approximately 2 m / 7 ft. There is a risk of injury to persons and damage to other people's property. The SEABOB can also be damaged, especially by touching the bottom in shallow water.
-  **WARNING** Do not use the SEABOB in areas where swimmers or divers are present. Risk of collision and injury!
- If crossing such areas is absolutely unavoidable, drive with a maximum of 50 % thrust on the water surface.

WARNING General safety instructions for driving




-  **WARNING** Always maintain a sufficient distance (at least 5 m / 16 ft) from other people, watercraft and objects in the water to avoid collisions. A collision could result in serious injury to yourself and others. Long hair or other people's clothing could be pulled into the jet channel. Risk of injury! Furthermore, the SEABOB may be seriously damaged.
- Always avoid the paths of watercraft. The SEABOB housing is made of plastic and, for physical reasons, only reflects radar waves poorly. Be aware of the rapid approach of watercraft. An unfamiliar SEABOB can also approach quickly or appear suddenly. Keep an eye on your surroundings and look far enough ahead. Danger of collision!
-  **WARNING** The SEABOB is not suitable for night driving. Do not drive after sunset or before sunrise. There is a risk of collision with other watercraft or obstacles.
- Do not drive in water depths below 1 m / 3 ft. You could encounter underwater obstacles and be injured or damage the SEABOB. Pay particular attention to rocky bottoms, reefs, and stones. Avoid areas directly near the shore and never drive the SEABOB onto the beach, shore or bottom. If the SEABOB comes into contact with the sea bed, it may, as a result of the very high suction power of the jet drive, become attached to the ground and jerk to a halt. Risk of collision and injury!
-  **NOTICE** Keep away from aquatic plants and foreign objects floating in the water, such as string, rope, plastic sheeting or pieces of wood to prevent damage to the motor and impeller, the stator and the jet channel, or to prevent their function from being impaired. Ensure that no sand or stones enter the jet channel, as this could cause damage to the device.
- The SEABOB's operating time is limited. Return to shore or the accompanying boat in a timely manner.
- When the battery charge level is below 30 %, the motor control electronics gradually limit the maximum power to protect the battery cells as the voltage drops while still maintaining sufficient reserve capacity for standby operation. A red battery symbol indicates the beginning of the SEABOB's reserve range. During standby operation, the power is automatically reduced until the motor stops. Always consider the limited power when planning your return to the shore or boat.
-  **WARNING** You must be able to surface and return to the shore or boat at any time, even under your own power and without the help of the SEABOB.
- Damage caused while using the SEABOB is generally not covered by the user's general personal liability insurance. Therefore, before using the SEABOB, be sure to check with your insurance provider about appropriate coverage for damages.

WARNING General safety instructions for transport

- The built-in batteries comply with dangerous goods class 9. Before transporting your SEABOB, please check the applicable dangerous goods regulations for packaging and transport. Please note that appropriate accompanying documents may be required for transport.
- Road transport (ADR): For road transport of the built-in rechargeable batteries, the ADR special provisions in accordance with section 2.2.9.1.7 ADR apply.
- Maritime transport (IMDG Code): For sea maritime transport of the built-in rechargeable batteries, IMG Code 2.9.4 applies.
- Air transport (IATA-DGR): The IATA dangerous goods regulations in accordance with subsection 3.9.2.6 IATA-DGR apply to the air transport of the built-in batteries.

1.2. Safety instructions for diving to a depth of up to 3 m / 10 ft

 **WARNING** In addition to the safety instructions provided above, please note the following information when diving to a depth of up to 3 m / 10 ft depth:

- Only skilled and experienced swimmers and snorkel divers are allowed to use the SEABOB for diving to a maximum depth of 3 m / 10 ft.
- Only dive if you are in good health. If in doubt, consult your doctor.
- Never dive alone.
- Remember that underwater distances to obstacles are difficult to judge. For better visibility, wear diving goggles.
- Check the depth sensor for proper function at the beginning of each dive. If the depth sensor is defective, the safety cut-out of the motor will not function at the set maximum diving depth (default setting 3 m / 10 ft). When switching on the SEABOB, the depth sensor is automatically reset to "0.0 m". Therefore, switch on the SEABOB before commissioning at or near the water surface.
-  **WARNING** Maintain a sufficient safety distance (at least 5 m / 16 ft) from other people and objects. Never dive under swimmers, watercraft or objects in the water. Especially when surfacing, make sure that no swimmers, watercraft, or objects are above you or approaching you. Risk of collision!
-  **WARNING** Do not dive in water depths below 1 m / 3 ft. You could encounter underwater obstacles and be injured or damage the SEABOB. Pay particular attention to rocky bottoms reefs and stones. Avoid areas directly near the shore and never drive the SEABOB onto the beach, shore or bottom. If the SEABOB comes into contact with the sea bed, it may, as a result of the very high suction power of the jet drive, become attached to the ground and jerk to a halt. Risk of collision and injury!
- Be aware of your surroundings. Keep a sufficient distance from the seabed or bottom to prevent the jet from stirring up and damaging sediment or aquatic plants or allowing them to enter the jet channel.  **WARNING** Avoid rocky surfaces, reefs, and stones. Risk of injury!
- Make sure you resurface in time. Plan an appropriate amount of time for the return process and leave in good time to an accompanying boat or near the shore.
- Take into account the limited driving performance in reserve mode when planning the timing of your return journey.

1.3. Safety instructions for diving to a depth of more than 3 m / 10 ft

**WARNING**

In addition to the previous safety instructions, please note the following for diving to a depth below 3 m / 10 ft:

- Only divers with a valid diving license or accompanied by a qualified diving instructor are allowed to use the SEABOB for diving trips at diving depths over 3 m / 10 ft.
- Only dive if you are in good health. If in doubt, consult your doctor.
- Never dive alone. Especially when diving in caves, only dive with someone and with a second device. It is important to ensure that there are always multiple alternatives for exiting should one alternative fail.
- Dive only with complete and functional diving equipment. Ensure that no air supply devices or hoses float freely in the water where they might get into the jet channel.
- Only dive underwater when visibility is good enough and never without diving goggles, as this is the only way you can recognize underwater dangers in good time.
- Check the depth sensor for proper function at the beginning of each dive. If the depth sensor is defective, the motor's safety shutdown will not function at the set maximum diving depth (default setting: 3 m / 10 ft). At the surface, the depth sensor should read approximately "0.0 m" on the display. You can verify the correct reading by briefly submerging the SEABOB without the motor.
- If the set maximum diving depth (depth limit) is exceeded, the motor switches off automatically and can only be restarted by switching it on again when the current diving depth is again above the depth limit.
- The maximum diving depth (depth limit) is factory pre-programmed to 3 m / 10 ft. It can be increased by the user in steps up to maximum diving depth of 25 m / 82 ft (see chapter 7.3.1. "Setting the maximum diving depth").
- For safety reasons, the factory-programmed depth limit of 3 m / 10 ft can only be changed via the menu (Operation Settings). After each dive deeper than 3 m / 10 ft, immediately reset the maximum diving depth to the safety default setting of 3 m/10 ft to prevent accidental injury.
- For safety reasons, the depth limit is automatically set to the basic setting of 3 m / 10 ft every time the SEABOB is switched on.
- Please note that if activities are interrupted for a longer period of time, the SEABOB will automatically switch itself off (Sleep mode) after 10 minutes. To restart the motor after switching the SEABOB back on at depths greater than approximately 3 m / 10 ft, the depth limit must be increased again in the menu (Operation Settings) so that the set maximum diving depth is greater than the current diving depth.
- Never rely on the depth sensor reading during dives, as it is purely informative. The depth sensor should not be used to calculate decompression times, for example, because it is not calibrated.

**WARNING**

In addition to the previous safety instructions, please note the following for diving to a depth below 3 m / 10 ft:




- When the battery charge level is below 30 %, the motor control electronics gradually limit the maximum power to protect the battery cells as the voltage drops, while providing sufficient reserve capacity for standby operation. A red battery symbol indicates the beginning of the SEABOB's reserve range. During standby operation, the power is automatically reduced until the motor stops. Always consider the limited power when planning the ascent process and return to the shore or boat.
- You must be able to surface and return to the shore or boat at any time, even under your own power and without help of the SEABOB.
- Always adhere to the permitted descent and ascent rates and maximum dive duration, whether using the SEABOB or not and follow the guidelines of the diving associations. For your own safety, never rely solely on technology and never use the depth sensor to determine your descent and ascent rates. The important technical safety functions have been largely integrated in such a way that they are redundant, but could fail unexpectedly.

1.4. Safety instructions concerning the batteries

⚠ WARNING In addition to the special safety instructions for the batteries in Chapter 1.1., please observe the following safety instructions:


- **⚠ NOTICE** Never expose the SEABOB to high temperatures (maximum 60°C / 140°F), such as those caused by open flames, direct sunlight or in a closed vehicle or trunk. **⚠ WARNING** Exposure to heat may cause flammable gases to escape and cause serious injury.
- **⚠ NOTICE** Never transport a fully charged SEABOB by plane or over long distances. The SEABOB must only be partially charged during transport (max. charge level "30 %"). **⚠ WARNING** Failure to observe this instruction could result in flammable gases escaping and causing serious injuries.
- Under normal use, the chemicals of the individual high-energy Li-ion battery cells are safely enclosed in a sealed casing, regardless of their position. Additionally, the individual cells are pressure-resistant up to 12 bar and are installed in the aluminum profile of the batteries, providing heat-dissipating and watertight protection. Therefore, the risk of flammable gases escaping only exists when the battery cells are exposed to mechanical or thermal stress.
- When charging the SEABOB, always follow the instructions in this manual (see chapter 5.2. "Charging the SEABOB").
- To charge the SEABOB, use only chargers supplied by CAYAGO AG and designed for the specific SEABOB model. Third-party chargers do not have the appropriate, special, microprocessor-controlled charging management to protect the high-energy Li-ion battery cells. **⚠ WARNING** Charging the battery cells with another charger may result in the release of flammable gases and serious injuries.
- **⚠ WARNING** Beware of the strong electric currents, especially with the optionally available rapid charging station. Never use a damaged or weak power cable (approved for at least 10 A current) when charging as this could cause a cable fire and life-threatening injuries from electric shock.
- Ensure that there is no dried salt residue on the contacts of the connection port or the connector (see Chapter 9 "Maintenance and care"). Salt residue impairs the flow of electrical current during charging and leads to the destruction of the electrical contacts due to overheating, possibly resulting in a contact and / or cable fire.
- While charging, do not place any objects on the SEABOB or charger to ensure that heat created during the charging process is dissipated properly. Ensure that air can circulate freely
- **⚠ WARNING** Only charge in a dry, cool, and well-ventilated area in the shade. Ensure adequate protection from sunlight. Allow a heated SEABOB to cool down before charging.
- **⚠ CAUTION** Please note that the charger and connector may become warm during charging and discharging. Allow the charger and connector to cool before touching them.
- **⚠ CAUTION** Make sure that the charger cables are not bent. The cables must be laid in such a way that you cannot trip over them.
- Do not dispose of batteries or battery cells in household waste, fire, or water. Follow the instructions for proper disposal (see Chapter 11 "Disposal").


 WARNING In addition to the special safety instructions for the batteries in Chapter 1.1., adhere the following safety instructions:

- ** WARNING** Electrical outlets in some countries may not be equipped with a ground wire connection or, if they are, they may provide only insufficient protection. If this is the case, you will feel the presence of a leaking current (sometimes more, sometimes less) when you touch the charger and / or the connector, especially if you are wet and barefoot. For this reason, you should always disconnect the power plug from the outlet before you touch the charger or connector after charging.
- Before storing the SEABOB for any period of time, especially during the winter months, observe the safety instructions specified in this manual (see Chapter 8.2. "Switching the SEABOB into Sleep mode"). Store the SEABOB in a cool, dry, ventilated and frost-free location and protect the battery cells, especially from irreparable total discharge.
- Before every transport, especially before every air transport, observe the safety regulations specified in this operating manual for the transport of lithium-ion batteries used in the SEABOB (see chapter 8.3. "Transport / Air transport of the SEABOB").
- Whenever transporting Li-ion batteries, always observe the currently applicable safety regulations and the respective carrier's regulations. You are welcome to obtain additional up-to-date information from the manufacturer or your specialist retailer, as experience has shown that safety regulations can change from time to time.
- ** WARNING** Never open the batteries. Under no circumstances should you tamper with or modify the batteries. If ignored, flammable gases may escape and cause serious injuries.
- ** WARNING** Chapter 10 "Troubleshooting" and any work beyond the scope of the instructions described may only be performed by authorized personnel. Otherwise, there is a serious risk of injury and damage to the SEABOB and charger. Risk of electric shock and escape of flammable gases!

2. Proper use


The SEABOB is a water sports vehicle with electric jet propulsion for the transport of one person above and below water at a minimum water depth of 1 m / 3 ft. The SEABOB is highly seawater-resistant and suitable for use in both fresh and salt water. Only highly corrosion-resistant or rust-proof materials were used.

 **WARNING** Use of the SEABOB requires compliance with the detailed safety instructions in this manual. Only use the SEABOB as described in this operating manual. Any other use is considered improper and may result in damage to property or even serious injury or death. The manufacturer is not liable for damage resulting from improper or incorrect use.

 **WARNING** Always assess your own risks and avoid unnecessary danger. In particular, only drive in sufficiently favorable environmental and weather conditions and adjust your speed to the visibility conditions.

The following provisions apply to the use of the SEABOB

- Each user must be at least 16 years old and a proficient swimmer. Non-swimmers are not permitted to use the SEABOB.
- Minors (16 years and older) may only use the SEABOB under the supervision and responsibility of adults.

 **WARNING** Only lend the SEABOB to other people if they have proven that they are at least 16 years old by presenting their ID and have been thoroughly and comprehensively instructed by you on how to operate the SEABOB.

 **WARNING** The SEABOB is not a toy for children!

2.1. Registration papers / driving licence

In some countries, a registration or driver's license is not required to operate the SEABOB under current law. However, some countries have different driver's license requirements, age limits and operating restrictions. Therefore, always inform yourself about the local legal regulations that apply to you before operating the SEABOB. It is expressly stated that every operator must check the country-specific conditions before using the SEABOB. The manufacturer naturally assumes no responsibility for this.

2.2. Operation area

The SEABOB may only be used in protected waters. Protected waters include coastal waters, small bays, small lakes, narrow rivers and channels where weather conditions with wind force 4 and significant wave heights up to and including 0.3 m / 1 ft and occasional wave heights of 0.5 m or less may occur, for example, due to passing vessels.

Generally, the SEABOB can also be operated in areas where the use of watercraft powered by combustion engines is not permitted. The use of the SEABOB is not permitted if local laws, municipal ordinances, nature conservation regulations or other regulations prohibit the operation of electric-powered watercraft or watercraft in general. Therefore, please strictly observe the local regulations and, if necessary, contact the relevant local authorities for information.

3. Included in delivery

The following standard equipment is included in delivery of the SEABOB:

- SEABOB of the F9 model series
- A charger for charging the SEABOB for operation and Air Transport / Storage (in particular storage over the winter)

Tip: A special microprocessor-controlled Quick Charger is available as an optional accessory. The Quick Charger can be used to charge the SEABOB more quickly (high charging rate for shorter charging times).

- User Manual
- "Data Sheet for Charger SEABOB F9 / F9 S"
- Owner certificate with serial number and SEABOB ID

Open the SEABOB packaging. Proceed with caution when opening.

NOTICE If you open the packaging carelessly with a sharp knife or other pointed object, the product can be damaged quickly.

Check that all components are included in the delivery. If this is not the case, please contact the manufacturer or your specialized dealer immediately.

Check the SEABOB and its individual parts for damage. **WARNING** If any damage is found, do not use the product! Contact the manufacturer or your dealer immediately.

Also, please check that the serial number on the SEABOB matches the number shown on your owner certificate. You can find the serial number on the pilot belt system's attachment point on the stern of your SEABOB.

NOTICE The SEABOB is delivered in a partially charged state. To avoid total discharge, you should charge the SEABOB immediately after delivery (within 1 week) to at least the charge state "50 %".

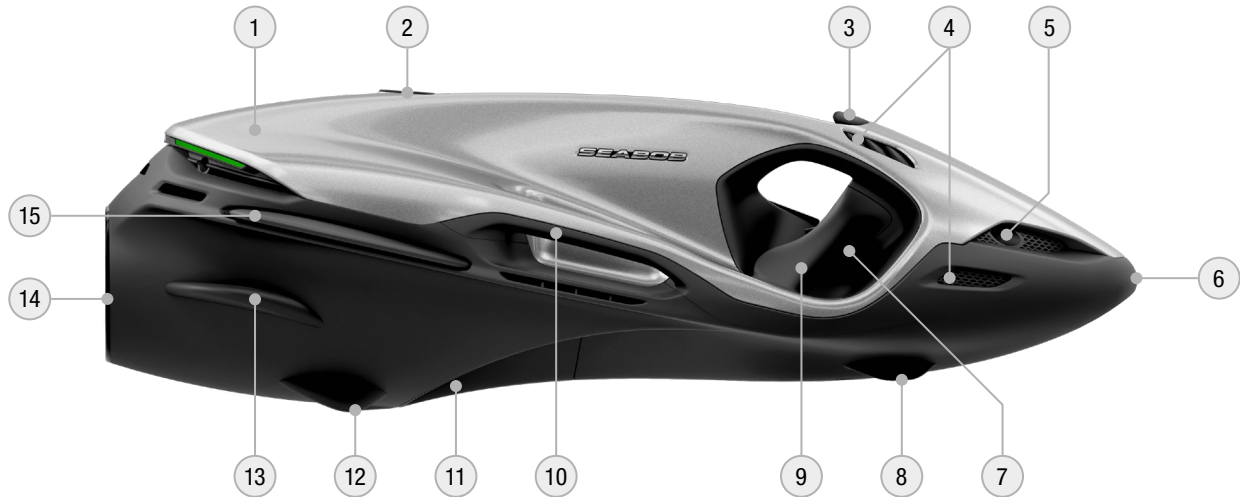
NOTICE Charge the SEABOB after each use (within 24 hours) and continuously during longer periods of storage (tricklecharge) to at least the charge state "50 %" to avoid irreparable total discharge of the valuable High-Energy Lithium-Ion batteries. Be sure to read the information provided in this user manual on charging the SEABOB.

WARNING Use only the charger or the optionally available Quick Charger supplied by the manufacturer or your specialist dealer to charge the SEABOB.

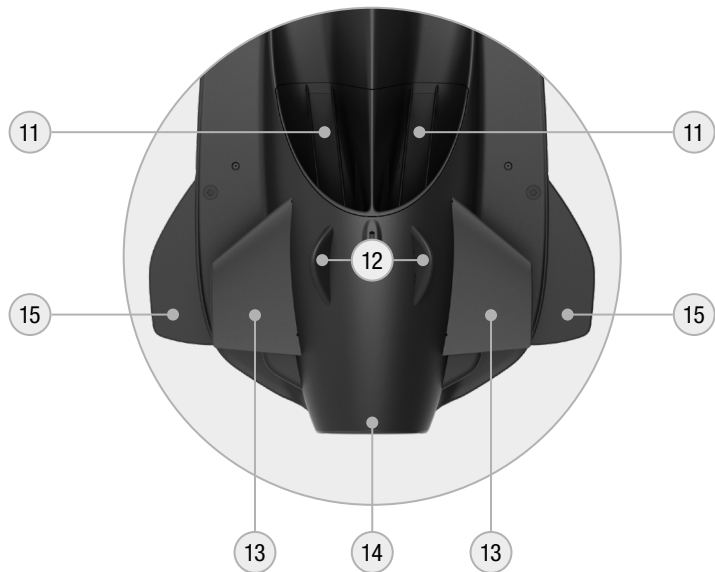
Tip: The CE mark is located on the inner side of the securing device for pilot belt system.

4. Description of the device

4.1. SEABOB housing

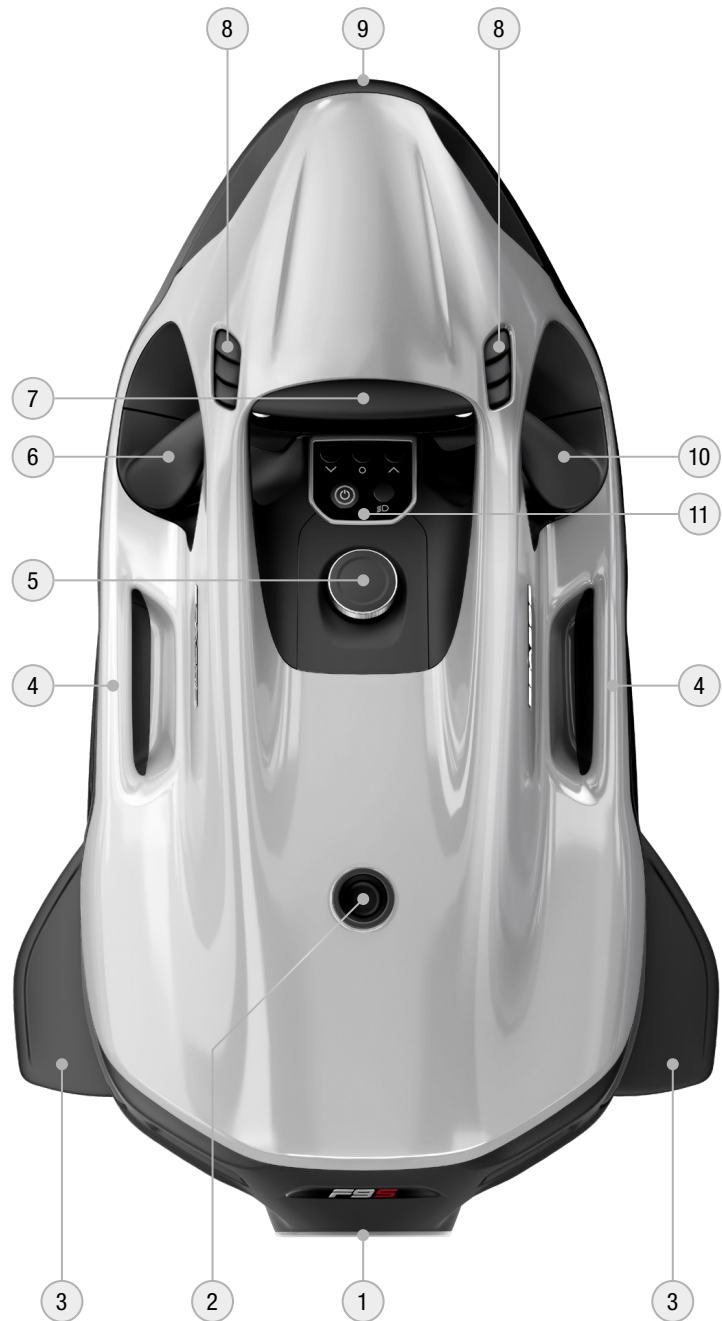


1. SEABOB housing
2. Attachement point for pilot belt system with CE marking
3. Display cover
4. Air outlets
5. Headlights*
6. Front bumper
7. Trigger
8. Front stands
9. Right Controlgrip
10. Right carrying handle
11. Jet channel (water inlet)
12. Rear stands
13. Jet wing
14. Jet channel (water outlet)
15. Extendable rear wings*



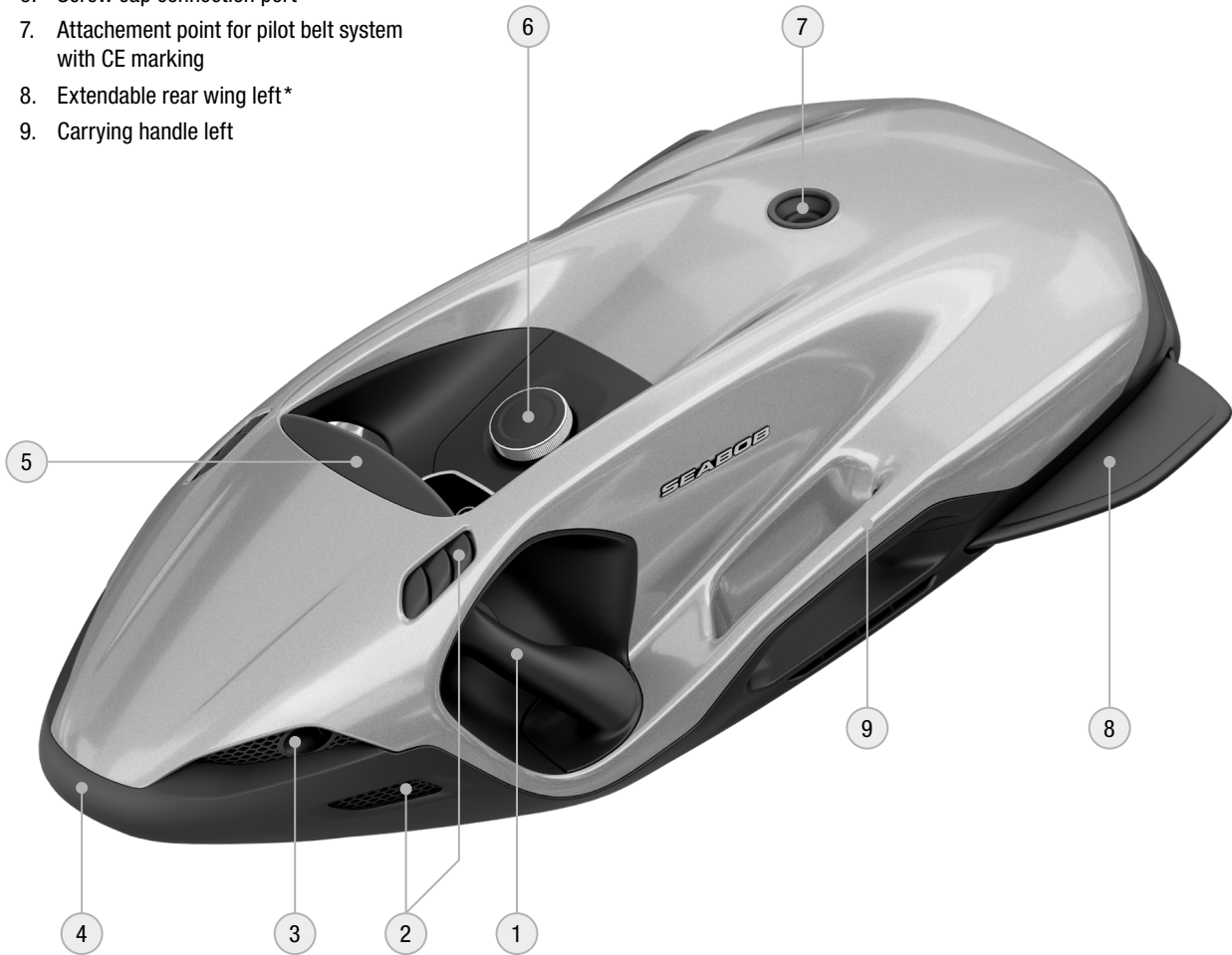
* depending on model or equipment variant

1. Jet channel (water outlet)
2. Attachement point for pilot belt system with CE marking
3. Extendable rear wings*
4. Carrying handles
5. Screw cap connection port
6. Left Controlgrip
7. Display cover
8. Air outlets
9. Front bumper
10. Right Controlgrip with rear-sided Trigger
11. Keypad



* depending on model or equipment variant

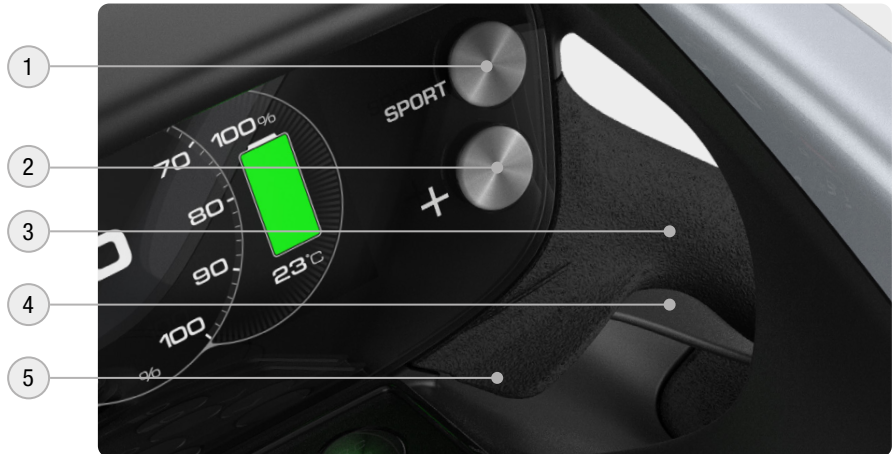
1. Left Controlgrip
2. Air outlets
3. Headlights*
4. Front bumper
5. Display cover
6. Screw cap connection port
7. Attachment point for pilot belt system with CE marking
8. Extendable rear wing left*
9. Carrying handle left



** depending on model or equipment variant*

4.2. Right Controlgrip

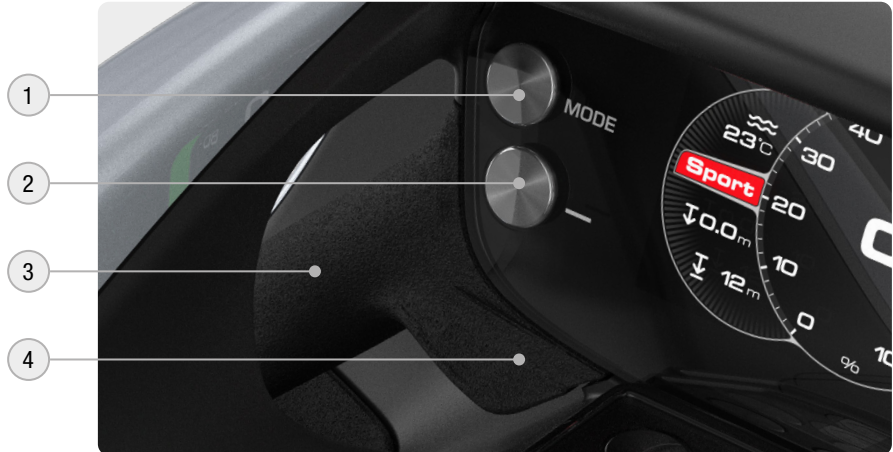
1. Sport mode button
2. Plus button
3. Right Controlgrip
4. Trigger
5. Thumb support



Picture 1: Right Controlgrip.

4.3. Left Controlgrip

1. Mode button (Normal / Dive)
2. Minus button
3. Left Controlgrip
4. Thumb support



Picture 2: Left Controlgrip.

5. Operation

5.1. Start-up

WARNING Before using the SEABOB for the first time, please read this manual carefully, including the safety instructions and the instructions for proper use.

WARNING Only use the SEABOB as intended (see Chapter 2 "Proper use").

Take the SEABOB and the charger out of the packaging, and place them on a dry and sturdy surface that will not damage the components. Do not throw away the packaging. It can be used later (for example, when sending the device in for service).

NOTICE The SEABOB is delivered in a partially charged state. To avoid total discharge, you should charge the SEABOB immediately after delivery (within 1 week) to at least the charge state "50 %".

NOTICE Charge the SEABOB after each use (within 24 hours) and continuously during longer periods of storage (tricklecharge) to at least the charge state "50 %" to avoid irreparable total discharge of the valuable High-Energy Lithium-Ion batteries. Be sure to read the information provided in this user manual on charging the SEABOB.

5.2. Charging the SEABOB

WARNING Observe the technical data of the charger, in particular the correct input voltage (see "Data Sheet for Charger SEABOB F9 / F9 S" and the "Data Sheet for Quick Charger SEABOB F9 / F9 S").

WARNING Never expose the SEABOB and charger to high temperatures (max. 60 °C / 140 °F) caused e.g. by open fire, direct sunlight or by storage inside a closed motor vehicle or trunk. If exposed to heat, flammable gases can be discharged causing serious injury. In addition, the Display Screen may become irreparably damaged if exposed to heat.

WARNING **Risk of death due to electric shock!** Protect the charger, in particular the connector and mains plug as well as the connection port of the SEABOB, from damage, dirt, dust, moisture and heat.

WARNING **Risk of death due to electric shock!** Only charge in dry, cool, and well-ventilated locations. Never use a charger if the cable or plug is damaged.

WARNING **Risk of death due to electric shock!** When rinsing, the mains plug of the charger must never be connected to the mains socket.

WARNING Only use chargers supplied by the manufacturer or your specialist dealer and for each respective specific SEABOB model.

WARNING When using the standard charger in other countries, only use travel plugs that are approved for currents of at least 10 A.

NOTICE During the charging process, do not place any objects on the SEABOB or charger to ensure that heat produced during charging is dissipated properly (convection cooling). Ensure that air can circulate freely and position the optionally available Quick Charger on the provided positioning legs. Should the charger (or Quick Charger) overheat, it automatically reduces the output current to prevent thermal overload. If this happens, the charging process is prolonged accordingly. If the SEABOB is hot, let it cool down before charging.

NOTICE A fully discharged or empty battery (from use or otherwise) should immediately be charged (within 24 hours) and continuously during longer periods of storage (trickle-charge) to avoid total discharge, which may cause irreparable chemical damage to the valuable High-Energy Lithium-Ion batteries. Charge to at least the charge state "50 %". Do not interrupt charging before this charge state has been reached.

To charge the SEABOB, proceed as follows:

1. Place the SEABOB on a sturdy and dry surface that will not damage the components.
2. Dry the area around the connection port using a soft, clean cloth.
3. Twist the screw cap on the connection port counter clockwise against a slight resistance and remove the screw cap from the connection port.



Picture 3: Closed (left) and opened (right) connection port.



Picture 4: Plugged connector.

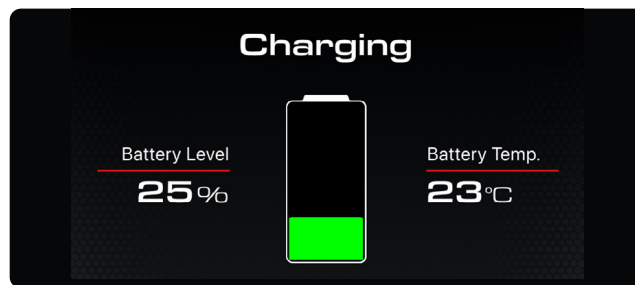
4. Check that the inside of the connection port is perfectly clean and dry. Remove any water from the electrical contacts.
5. Ensure that the charger connector is positioned correctly before plugging it into the SEABOB connection port (the connector cable should be pointing to the rear of the SEABOB).

WARNING Always make sure that the connection port and connector are perfectly clean and dry before plugging the connector into the SEABOB connection port. Always put the screw cap back on the connection port immediately after charging is completed. Only open the connection port for the charging process.

WARNING **Risk of death due to electric shock!** Never plug the connector into a moist or wet connection port for charging.

NOTICE The connection port is hermetically sealed to prevent water from leaking into the SEABOB. Water, in particular salt water, on the contacts of the connection port or connector may result in chemical reactions while charging, causing irreparable damage to the connection port contacts and the connector.

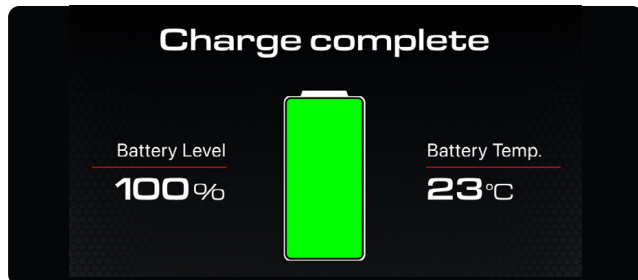
- ➔ The connector is locked in place with a click.
6. Plug the charger power plug into the outlet.
 7. The charging screen will appear in the SEABOB's display after a brief system check. The device is now in the Charging mode. The default setting is full charging. Alternatively, a partial charging can be set via the "Battery Settings" menu. Partial charging is indicated visually on the display by a dashed line in the battery symbol.



Picture 5: Charging Screen (charging to 100 %).

Tip: Charging of the SEABOB is automatically controlled by the charger's electronic system and the microprocessor controlled battery management system. The nature of the electronics makes it impossible to overcharge the SEABOB. The Lithium-Ion batteries in the SEABOB do

not have a memory effect. This makes it possible to charge the SEABOB regardless of its charge state. Charging is therefore possible at any charge level without prior discharging. The internal voltage level of each Lithium-Ion battery is monitored electronically. Differences between the internal battery cells are compensated and balanced (cell balancing).



Picture 6: Charging screen (partial charging).

8. Charging is performed automatically. The charging process of the SEABOB is shown by an animated battery symbol in the middle of the SEABOB display. The numerical display of the charge state is shown left to the battery symbol. The battery temperature is displayed right to the battery symbol (°C / °F).

WARNING The charger and connector can get hot while charging. After you have finished charging, let the charger and connector cool down before you touch them. **Risk of burns!**

Tip: An increase in the battery temperature (shown on the right-hand side of the display) during charging is normal. The temperature is monitored electronically. If the battery overheats, the battery management system temporarily stops the charging process.

Tip: interrupting the charging process during a full charge is permissible. However, due to the lower battery charge level, the operating time and possibly mileage will be limited compared to a full charge.

- ➔ When the message "Charge complete" is displayed, the charging process has been completed.
 - ➔ To save energy and reduce the maintenance charge, the SEABOB switches off latest 30 minutes after the end of the charging process ("Charge complete"). See chapter 5.7.3. "Sleep mode").
9. To complete the charging process, first pull the power plug from the outlet.

WARNING Never pull or twist the power cord; only pull on the power plug.

10. Only then pull the powerless connector out of the connection port of the SEABOB.

WARNING To complete the charging process, first pull the power plug from the outlet. Only then should you disconnect the connector from the connection port. **Danger of short circuit!**

NOTICE Never attempt to remove the power plug from the outlet by twisting or pulling on the cable line. Always hold on to the plug itself.

NOTICE Never twist the connector to disconnect it from the SEABOB connection port. This could result in the connector and the connection port being damaged or bent.

➔ The SEABOB automatically switches to On mode after disconnecting the charger.

11. Turn the dry and clean screw cap clockwise into the SEABOB connection port, until you feel a slight resistance.

NOTICE Always ensure that the screw cap has been placed securely on the connection port.

✓ The SEABOB is ready for use.

SEABOB cannot be charged:

See chapter 10.7. "SEABOB cannot be charged".

Using auxiliary power units / electric generators:

! WARNING Only electric generators with precise closed-loop control suitable for connection to electronic devices are permissible. Induction generators are not suitable and can result in destruction of the chargers. The destruction of the charger also creates a danger of injury. Use of electric generators with inverter technology is preferred. The continuous power of the generator must be higher than the input power of the charger (see rating plate).

5.3. Unlock SEABOB

Upon delivery, the SEABOB's motor power is limited at the factory and must be unlocked through a registration process to access its full power. Despite the maximum motor power being limited, the SEABOB can still be charged normally. Please observe the instructions in chapter 5.1. "Start-up" and 5.2. "Charging the SEABOB" for this purpose.

The SEABOB can be unlocked as follows:

1. Turn the SEABOB on. Scan the QR code shown in the information Display with a mobile device.
 2. You will be redirected to a website where you can register with your personal contact details, proof of purchase of the SEABOB and the serial number.
 3. Retrieve the SEABOB's serial number from the attachment point for the pilot belt system at the rear of the SEABOB.
 4. Register on the registration website.
- ➔ After activation, you will receive a 4-digit ID by email to the email address you provided.

Tip: The activation process can take up to 48 hours.

Tip: Alternatively, enter <https://registration.seabob.com> in your web browser to access the registration website.

1. Press the Enter button to open the SEABOB menu.
2. Enter the top menu item "Register to unlock".
3. Enter the SEABOB ID you received by e-mail.
4. Use the up and down arrow keys to change the digits.

5. Use the Enter button to move to the next digit to the right. After entering the last digit, confirm your entry with the Enter button.
- ✓ If the activation is successful, the motor power lock is deactivated.



Picture 7: QR code with redirection to the registration portal.

5.4. Operating the SEABOB

⚠ WARNING Never run the motor out of the water for longer than approx. 10 seconds. The motor seals and the hard-coated motor shaft are designed exclusively for use in the water. Operation out of the water can lead to overheating due to the lack of water to cool the device, thereby causing irreparable damage to the seals and motor shaft. Danger of short circuit!

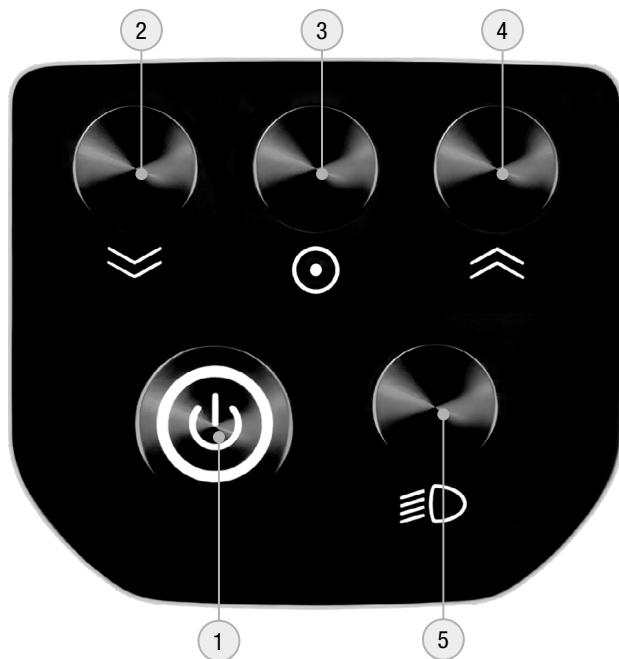
5.4.1. Cockpit controls

1. The left Controlgrip is used to control the SEABOB with your left hand. If your thumb isn't needed to operate the Minus or Mode buttons, it can be placed on the thumb support here.
2. The Minus button is located at the bottom left of the display. Pressing the Minus button reduces the motor power continuously as long as the Minus button is pressed.
3. The Mode button is located at the top left of the display. You can switch between the "Normal" and "Dive" operating modes by tapping the Mode button.
4. The Sport button is located at the top right of the display. Tapping the Sport button immediately activates the maximum motor power. The SEABOB switches to Sport mode at the same time.
5. The Plus button is located at the bottom right of the display. Pressing the Plus button reduces the motor power continuously as long as the Plus button is pressed.
6. The right Controlgrip is used to control the SEABOB with your right hand. If your thumb isn't needed to operate the Sport- or Plus buttons, it can be placed on the thumb support here.
7. The Trigger is located on the back of the right Controlgrip. Pressing the Trigger enables the motor. Releasing the Trigger disables the motor.
8. For an explanation of the keypad controls, see chapter 5.4.2. "Keypad controls".



5.4.2. Keypad controls

1. The On / Off button is located at the bottom left of the keypad. In conjunction with a confirmation by the Trigger, this button is used to switch the SEABOB on or off.
2. The arrow-down button is located at the top left of the keypad. It is used to navigate downwards in the menu.
3. The Enter button is located at the top center of the keypad. It is used to call up the menu and confirm menu settings and values.
4. The arrow-up button is located at the top right of the keypad. It is used to navigate upwards in the menu.
5. The headlights button* is located at the bottom right of the keypad. It is used to switch the headlights on and off.



* depending on model or equipment variant

Using the controls

The buttons used on the SEABOB are high-quality, watertight piezo-actuated electronic buttons that do not have mechanical parts and, for this reason, are not subject to wear (button life: over 20 million operations). These buttons are designed to react to sudden changes in pressure. For this reason, you only have to tap them lightly. Regardless of how long or hard you press the buttons, they always react by emitting a single short pulse. A pulse may also be emitted if the SEABOB falls hard to the ground or is struck hard by another object, if the SEABOB is hit hard or the buttons are inadvertently touched. For safety reasons, you have to tap the On / Off button and pull the Trigger within a fixed time period to activate the switch-on function. This is done to prevent the SEABOB from being switched on inadvertently.

The Trigger is made of high-grade plastics and seawater resistant spring steel. It can be in a released position or pulled position. The Trigger is used for enabling the motor (on / off). You can activate the motor by keeping the Trigger pulled against the Controlgrip. When you release the Trigger, the motor stops immediately, independent of the set motor power.

5.4.3. Headlights

The optional headlights can be switched on and off using the headlights button (see chapter 5.4.2.). Always switch off the headlights after using the SEABOB.

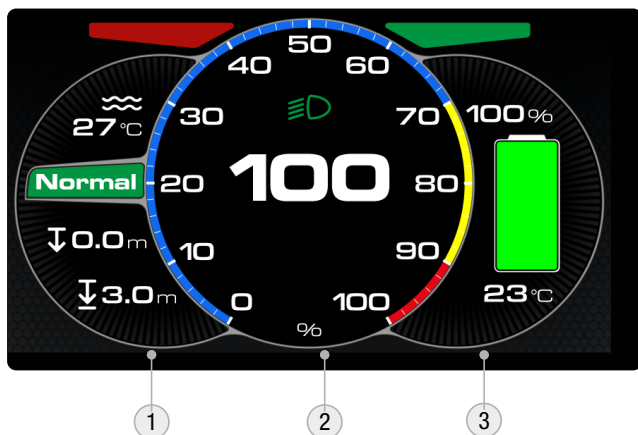
Tip: If there is no motor activity, the headlights switch off automatically after a short time to save energy.

CAUTION The headlights may become hot when switched on. Never touch the headlights when they are switched on. Wait until the lights have cooled down before touching them. Risk of burns!

CAUTION Never look directly into the headlights. Risk of injury! The LED light is very bright and can damage your eyes if you look directly into it.

CAUTION When using the headlights, take care not to shine it into the eyes of people or other living beings.

5.5. Information Display



1. Left frame
2. Center frame
3. Right frame

During operation, the information display, consisting of three fields, shows the following data:

Left frame:

In the top left-hand field, the current water temperature (in °C / °F) is displayed. Below this you will find the currently set driving mode (Dive / Normal / Sport). The left field's bottom section shows the current diving depth (in m / ft) and underneath the set maximum diving depth (in m / ft).

Center frame:

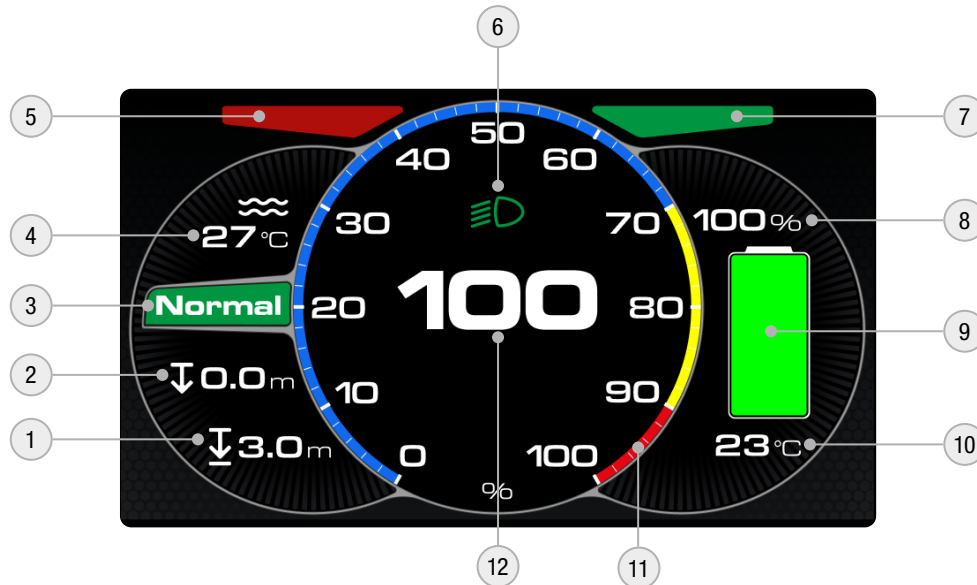
In the middle field, the power display is located. The current motor power (in %) is displayed graphically on the inner circle. The motor power range 0 % to 70 % is shown in blue, the motor power range 70 % to 90 % is shown in yellow and the motor power range 90 % to 100 % is shown in red. If the motor power is reduced, for example by a menu setting, the locked power range is displayed in grey. The power limit is also indicated by a red mark on the locked power setting. Inside the power display, the numerical display of the current motor power is displayed in % of the maximum power.

The current motor power in % of the maximum power is increased by keeping the Plus button pressed and decreased by keeping the Minus button pressed while the motor is activated (by keeping the Trigger pulled towards the Controlgrip).

When accelerating (keeping the Plus button pressed while holding the Trigger pulled), a green bar lights up in the top right of the display. When reducing the motor speed (by keeping the Minus button pressed while holding the Trigger pulled), a red bar lights up in the top left of the display.

Right frame:

In the right-hand field there is a battery symbol to indicate the battery charge level. Above this is the numerical display of the charge level (in % of the full charge level). The battery temperature (in °C / °F) is displayed below the battery symbol.



Picture 8: Information Display.

- | | |
|--|---|
| 1. Diving depth limit (in m / ft) | 5. Minus button indicator
(reduction of motor power) |
| 2. Current diving depth (in m / ft) | 6. Headlights indicator (on / off) |
| 3. Driving mode
(Normal / Dive / Sport) | 7. Plus button indicator
(increase of motor power) |
| 4. Water temperature (in °C / °F) | |

* The water temperature shown on the information display may vary due to technical reasons, especially when the device is exposed to the sun.

5.6. Driving modes

Three different driving modes are available for operation: Dive, Normal and Sport. The modes differ in their acceleration rate. The currently set driving mode is displayed in the center of the left-hand display field. Dive mode is highlighted in blue, Normal mode in green and Sport mode in red.

5.6.1. Normal mode

When the SEABOB is switched on, Normal mode is pre-selected by default. Normal mode is suitable for both surface and underwater travel. The Minus and Plus buttons can be used to regulate the power within Normal mode between 0 % and 100 % while the Trigger is being pulled.

5.6.2. Dive mode

The “Mode” button can be used to switch between normal and Dive mode (and back again). Dive mode has a relatively low acceleration rate and is therefore particularly suitable for diving and underwater driving. The Minus and Plus buttons can be used to regulate the motor power within the Dive mode between 0 % and 100 % while the Trigger is being pulled.

WARNING Be sure to read and observe the safety instructions for diving to and above 3 m / 10 ft depth in chapters 1.2. and 1.3.!

5.6.3. Sport mode

The Sport mode can only be activated via pressing the Sport button at the top right of the display and starts with immediate acceleration to 100 % power. A minimum engine power of 40 % is required to activate the Sport mode. The Minus and Plus buttons can be used to regulate the power output within Sport mode between 0 % and 100 % while the Trigger is being pulled.

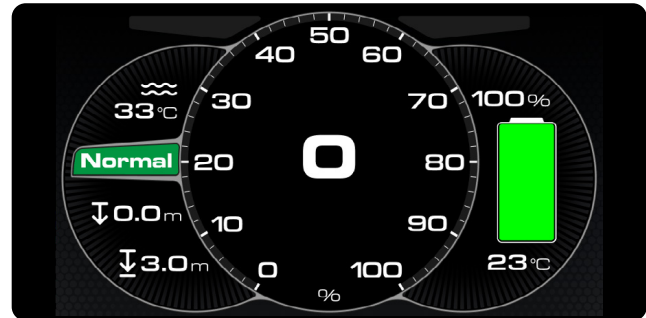
WARNING Familiarize yourself with the operating and driving functions of the SEABOB before activating the Sport mode. Be sure to observe the general safety instructions for driving operation in chapter 1.1.

WARNING Due to the high acceleration rate, Sport mode is only suitable for experienced operators and for use above the water surface in open waters. Risk of collision and injury!

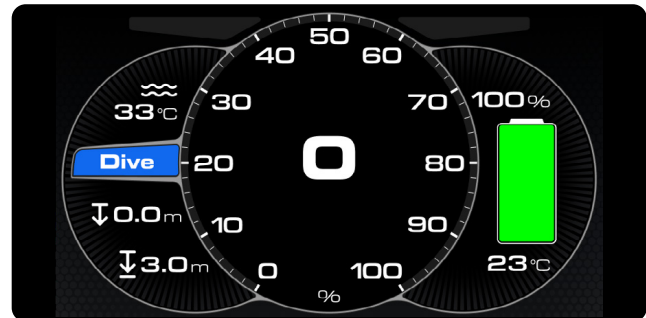
WARNING Only use the Sport mode in open waters at a minimum distance of at least 10 m / 32 ft from other people or objects.

WARNING Never activate Sport mode in the proximity of moving people, watercraft and / or boats. Risk of collision and injury!

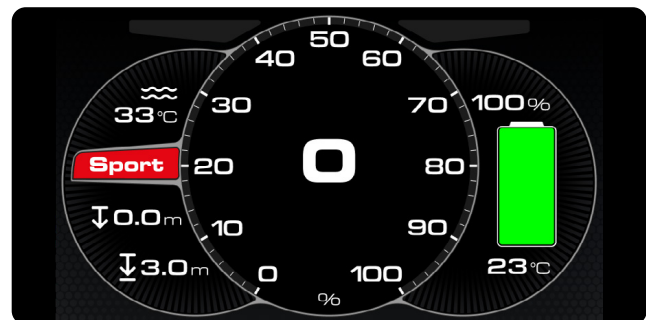
WARNING Due to the strong acceleration forces, the Sport mode is **not** suitable for underwater use! Risk of collision and injury!



Picture 9: Normal mode.



Picture 10: Dive mode.

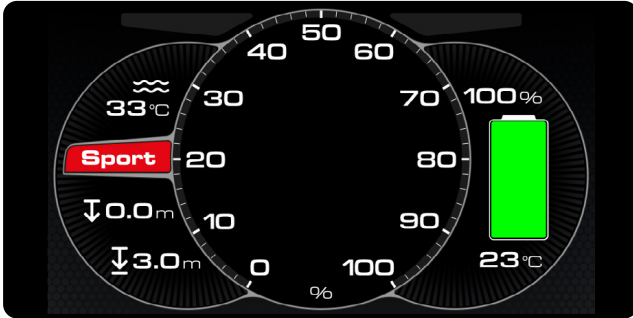


Picture 11: Sport mode.

5.7. Operating modes

5.7.1. On mode

In On mode, the SEABOB is switched on. The information display is shown. No number is shown in the central power display.



Picture 12: On mode.

1. You can switch to Drive mode by tapping the Plus button once (see chapter 5.7.2. “Drive mode”).
2. The menu can be accessed by pressing the Enter button.
3. The SEABOB can be switched off by tapping the On / Off button and then pulling the Trigger (see chapter 5.7.3. “Sleep mode”).

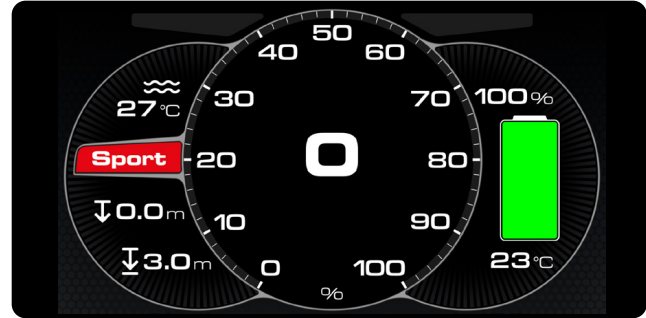
Tip: If no user action is performed within a time window of 10 minutes (time-off) and no control element is touched, the system automatically switches from On mode to Sleep mode to save energy.

Tip: For security reasons, the settings menu can only be accessed in On mode.

Tip: For security reasons, it is not possible to drive in On mode. To do this, tap the Plus button to switch to Drive mode.

5.7.2. Drive mode

In Drive mode, the SEABOB is ready to drive. The information display is switched on. A “0” is shown in the central power display (0 % current motor power).



Picture 13: Drive mode.

Tip: Drive mode can only be accessed from On mode.

1. Tap the Plus button to switch to Drive mode.
 - ➔ The central power display appears as “0”. This stands for 0 % motor power.
2. Pull the Trigger all the way up to the Controlgrip and keep it pulled.
 - ➔ The motor is enabled.
 - ✓ While the Trigger is being pulled and the motor is thus enabled, the motor power can be increased by keeping the Plus button pressed and reducing it by keeping the Minus button pressed.

Tip: For safety reasons, it is not possible to access the menu when being in Drive mode. Release the Trigger and tap the Minus button until the central power display disappears to switch to On mode. You can now access the menu by tapping the Enter button.

Tip: If there is no motor activity within a time window of 10 seconds, the system automatically switches from Drive Mode to On Mode for security reasons. You can switch back to Drive mode by tapping the Plus button.

5.7.3. Sleep mode

In Sleep mode, the SEABOB is in an rest mode. Most system components are shut down and must be switched back on for operation.

! NOTICE Sleep mode does not protect the batteries from total discharge. Charge the SEABOB after each use (within 24 hours) and continuously during longer periods of storage (tricklecharge) to at least the charge state "50 %" to avoid irreparable total discharge of the valuable High-Energy Lithium-Ion batteries. Be sure to read the information provided in this user manual on charging the SEABOB.

Tip: The SEABOB automatically switches to Deep Sleep mode after 7 days (168 h) of inactivity in Sleep mode at the latest and can then only be switched on again with a connected and active charger. If it is detected in Sleep mode that the battery capacity falls below 50 %, the system automatically goes into Deep Sleep mode after 24 h and can then only be switched on again with a connected and active charger.

Switching on from Sleep mode

1. Tap the On / Off button on the keypad of the SEABOB.
2. The display is switched on. The SEABOB logo and the prompt "Confirm power on with Trigger" appear.



Picture 14: Confirm power on with Trigger.

3. Pull the Trigger towards the Controlgrip within 5 seconds and then release it completely. This initializes the system start. The display changes to "Please wait...".



Picture 15: System starts up.

Tip: If the Trigger is not pressed within 5 seconds during the "Confirm power on with Trigger" prompt, the display switches off again automatically. The SEABOB switches to Sleep mode.

4. The start-up may take a few seconds. Once the system start-up is complete, the information display appears or the User ID query appears first, if activated.

Tip: To activate the User ID query upon switching on or to activate and subsequently change the User ID, please proceed as described in chapter 6.2. "User Settings".

- ✓ The SEABOB is in On mode and ready for operation.

5.7.4. Deep Sleep mode

For long-term storage, the power supply to the battery can be disconnected via Deep Sleep mode so that it is protected against accidental or incorrect switching on. In contrast to Sleep mode, the SEABOB cannot be switched on again from Deep Sleep mode by pressing buttons, but only with a connected and active charger.

Tip: The SEABOB automatically switches to Deep Sleep mode after 7 days (168 h) of inactivity in Sleep mode at the latest and can then only be switched on again with a connected and active charger. If it is detected in Sleep mode that the battery capacity falls below 50 %, the system automatically goes into Deep Sleep mode after 24 h and can then only be switched on again with a connected and active charger.

! NOTICE Deep Sleep mode does not protect the batteries from total discharge. Charge the SEABOB after each use (within 24 hours) and continuously during longer periods of storage (tricklecharge) to at least the charge state "50 %" to avoid irreparable total discharge of the

valuable High-Energy Lithium-Ion batteries. Be sure to read the information provided in this user manual on charging the SEABOB.

Manual activation of Deep Sleep mode:

1. Access the menu.
 2. Select "Battery Settings" → "Deep Sleep mode".
 3. Tap the Enter button.
 - ➔ The Deep Sleep mode settings are opened.
 4. Activate Deep Sleep mode by selecting and confirming "Enter Deep Sleep mode".
 - ➔ A notification appears informing that a SEABOB-compatible charger must be connected in order to wake up the SEABOB from Deep Sleep mode.
 5. Confirm the activation of Deep Sleep mode on the information screen by pressing the Enter button ("Continue"). Alternatively, cancel the activation of Deep Sleep mode by pressing "Cancel".
- ✓ The SEABOB switches off ("Powering off").

Switching on from Deep Sleep mode:

The system can only be switched on again from Deep Sleep mode with a connected and active SEABOB charger. To do this, proceed as follows and always follow the instructions in chapter 5.2. "Charging the SEABOB":

1. Plug the connector of the charger into the connection port on the SEABOB.
 2. Then insert the mains plug into the mains socket.
 - ➔ An independent electronic control unit in the batteries, together with an compatible charger, initiates the start-up of the SEABOB (system check).
- ✓ The charging screen appears on the display. The SEABOB is in Charging mode.

5.7.5. Cargo mode

Special safety precautions must be taken before transporting the craft, particularly by airplane. The current flowing to the battery must be cut off, and precautions must be taken to ensure that the device cannot be switched on inadvertently or incorrectly. For safety reasons, the SEABOB cannot be switched back on when it is in the Off mode by tapping the device's buttons. It can only be switched on using a connected and active charger.

Tip: The prerequisite for activating Cargo mode is a maximum battery capacity of 30 %. If the battery charge state is too high to activate Cargo mode, you will have to perform an automatic discharge or by running the SEABOB to empty in a controlled fashion.

NOTICE Cargo mode does not protect the batteries from total discharge. Charge the SEABOB after each use (within 24 hours) and continuously during longer periods of storage (tricklecharge) to at least the charge state "50 %" to avoid irreparable total discharge of the valuable High-Energy Lithium-Ion batteries. Be sure to read the information provided in this user manual on charging the SEABOB.

Activate Cargo mode:

1. Access the menu.
 2. Select "Battery Settings" → "Cargo mode".
 3. Tap the Enter button.
 - ➔ The Cargo mode settings are opened.
 4. Activate Cargo mode by selecting and confirming "Enter Cargo mode".
 - ➔ If the current battery charge of your SEABOB is greater than 30 %, a message appears informing that the batteries must be discharged to 30 % in order to activate Cargo mode. The discharging process is started when this message is confirmed by pressing "Continue".
 5. Confirm the activation of Cargo mode with the Enter button ("Continue"). Alternatively, cancel the activation of Cargo mode by pressing "Cancel".
- ✓ The SEABOB switches off ("Powering off") and enters Cargo mode.

Switching on from Cargo mode:

The system can only be powered up again from Cargo mode with a connected and active charger. To do this, proceed as follows and always follow the instructions in chapter 5.2. "Charging the SEABOB":

1. Plug the connector of the charger into the connection port on the SEABOB.
 2. Then plug the power plug into the socket.
- ➔ An independent electronic control unit in the batteries, together with an compatible charger, initiates the start-up of the SEABOB (system check).
 - ✓ The charging screen appears on the display. The SEABOB is in Charging mode.

5.7.6. Charging mode

The charger is connected and supplies the charging voltage. The battery and charging voltage diagnosis (system check) is carried out before charging. If the diagnosis is successful, the charging process is activated. The motor cannot be switched on. The charging screen with the battery symbol appears on the display (see chapter 5.7.7. "Charging screen").

Tip: The system can only be switched to Charging mode from another mode with a connected and active charger.

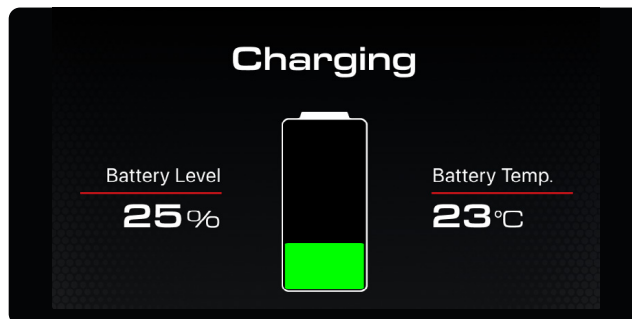
Tip: If the charging voltage is lost due to disconnection of the charger, the SEABOB automatically switches to On mode.

5.7.7. Charging screen

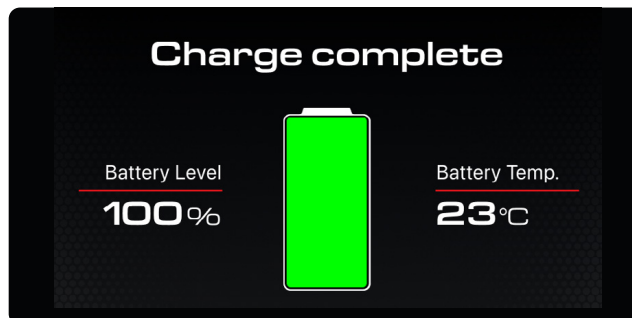
If a compatible charger is connected to the SEABOB and supplied with power, the SEABOB automatically switches to Charging mode ("Charging") after a system check. The charging screen appears on the display. The motor cannot be activated. A full charge is performed as standard. Alternatively, a partial charge can be set via the "Battery Settings" in the menu. In this case, the charging limit is visually indicated on the display by the dashed line in the battery symbol.

1. The battery symbol on the right-hand side of the display shows the charge level. The inner area of the battery symbol rises during charging depending on the charge level.
2. The charge level is displayed numerically to the left of the battery symbol (in % of the full charge level). The battery temperature (in °C / °F) is displayed to the right of the battery symbol.
3. When "Charging complete" is displayed, the SEABOB is charged to the set charging limit and ready for driving.
4. When the charger is disconnected, the SEABOB switches to On mode and is ready for operation.

5. The SEABOB automatically goes into sleep mode after 30 minutes at the latest once it has reached full charge status.



Picture 16: Charging indicator in Charging mode during full charging.



Picture 17: Charging indicator in Charging mode when fully charged.

6. Menu

Enter the menu as follows:

1. Tap the On / Off button on the keypad of the SEABOB.
 - ➔ The display is switched on. The SEABOB logo and the prompt “Confirm power on with Trigger” appear.
2. Pull the Trigger one time towards the Controlgrip within 5 seconds and then release it completely.
 - ➔ This initializes the system start. The display changes to “Please wait...”.
 - ➔ After a successful system start, the information display is shown (On mode).
3. Tap the Enter button.
 - ✓ The menu appears.

Tip: If necessary, enter the 4-digit User ID if menu access is blocked with a User ID. Alternatively, you can enter the SEABOB ID at this point.

If the ID is invalid, the entry must be repeated (“Wrong ID”).

SEABOB ID

Factory-set, personal identification number of the owner for access to the user settings in the menu or for powering on (if the ID query is activated at system startup). The SEABOB ID cannot be changed. You will find the SEABOB ID in the owner certificate supplied.

User ID

The User ID is an individually adjustable personal identification number of the user. The User ID can be assigned and activated individually in the user settings. When activated, the following areas of SEABOB can be blocked with a User ID query, depending on the selection:

- Operation Settings
- Menu
- the general use of the SEABOB (after powering on)

Tip: Further information on this can be found in chapter 6.2 “User Settings”.

For your safety, you can only access the settings menu from On mode and not while driving.

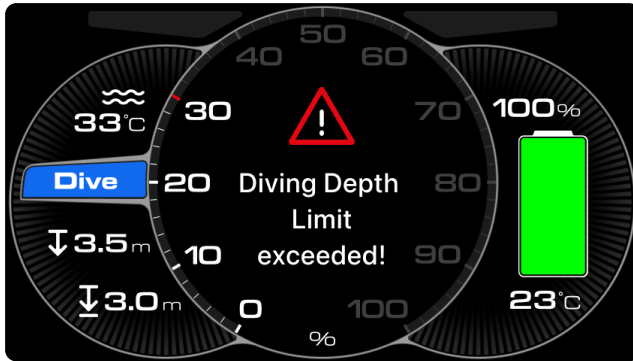
The settings menu has the following structure:

1. Operation Settings
2. User Settings
3. Display Settings
4. Battery Settings
5. Connectivity
6. Information
7. Exit

In the operation settings, driving parameters such as the maximum diving depth and the maximum power can be regulated and the timer can be set.

6.7.1. Diving Depth

The diving depth is limited to 3 m / 10 ft by default (diving depth limit with safety cut-out). For dives to greater depths, you can gradually increase the diving depth. The maximum adjustable diving depth is 25 m / 82 ft. The minimum depth that can be set is 1 m / 3 ft. When you reach the set maximum diving depth, the motor power is reduced and a warning appears on the information display. If you exceed the set maximum diving depth, the motor power of the SEABOB is first partially reduced and then completely reduced if the set maximum diving depth is exceeded again.



Picture 18: Warning when the diving depth is exceeded.

WARNING Be sure to read and observe the safety instructions for diving to and above a depth of 3 m / 10 ft in chapters 1.2. and 1.3.! Risk of serious injury or death!

Set the maximum diving depth as follows:

1. Enter the menu.
2. Select "Operation Settings" → "Diving Depth".
3. Tap the Enter button.
 - ➔ The diving depth setting is displayed.
 - ➔ The factory-set diving depth limit is 3 m / 10 ft.
 - ➔ The currently set maximum diving depth is indicated by marking arrows.
4. Select the desired maximum diving depth by using the arrow buttons.
5. Confirm your selection with the Enter button.
 - ➔ A warning appears in the information display.
6. Confirm your selection again with the Enter button ("Continue"). Alternatively, discard your selection by pressing "Cancel".
 - ➔ The Operation Settings are displayed.
- ✓ The maximum diving depth is changed according to your selection.

For your safety, the factory-set diving depth limit of 3 m / 10 ft can only be changed via the menu.

WARNING After you have finished scuba diving to a depth of more than 3 m / 10 ft, reset the maximum diving depth immediately to the default safety setting of 3 m / 10 ft to prevent the risk of injury to others. Risk of serious injury or death!

Tip: For safety reasons, the depth limit ("Diving Depth") is automatically reset to the default setting of 3 m / 10 ft each time the SEABOB is switched on from Sleep mode.

Tip: Bear in mind that the SEABOB switches off automatically (Sleep mode) if inactive for a period of more than 10 minutes (Time-off). After switching the SEABOB back on, you will need to re-adjust the diving depth, if you want to dive deeper than 3 m / 10 ft. After entering the Operation Settings, you can increase the diving depth limit again so that the set maximum diving depth is greater than 3 m / 10 ft. The current diving depth will start flashing as soon as you exceed the depth limit.

6.7.2. Power Limit

To reduce the risk of collisions or injuries at high power for untrained and inexperienced users, it is possible to limit the maximum power in the menu. Consequently, the operator can only switch the power up to the maximum power which has been set. The motor power is not limited by default (100 %). You can reduce the motor power if required.

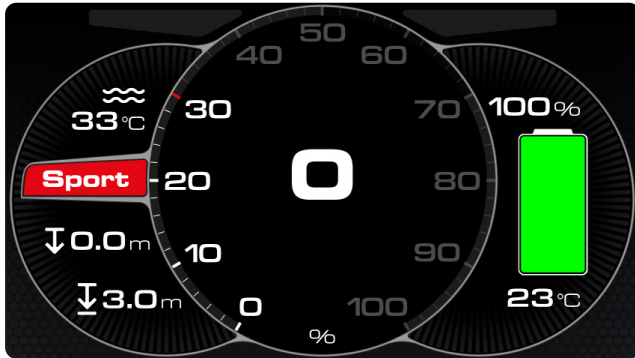
WARNING Do not drive with reduced engine power in currents or wind. You could drift off and endanger yourself and others. Risk of serious injury or death!

Set the power limit as follows:

1. Enter the menu.
2. Select "Operation Settings" → "Power Limit".
3. Tap the Enter button.
 - ➔ The Operation Settings are displayed.
 - ➔ The factory-set power limit is 100 % (no power limit).
 - ➔ The currently set power limit is indicated by arrows.
4. Select the desired power limit using the arrow buttons.
5. Confirm your selection with the Enter button.
 - ➔ A warning appears in the information display.

6. Confirm your selection again with the Enter button ("Continue"). Alternatively, discard your selection by pressing "Cancel".
- ➔ The Operation Settings are displayed.
 - ➔ The activated power limit is indicated in the information display by a red mark on the percentage level at which the power is throttled. The unavailable percentage levels are shown in grey.
- ✓ The power limit is changed according to your selection.

Tip: Deactivate the throttling of the motor power by setting the power limit to 100 %.



Picture 19: Activated power limit (30 %) in the information screen.

6.7.3. Timer

If required, you can activate a timer that reduces the motor power to 30 % after a defined time has elapsed.

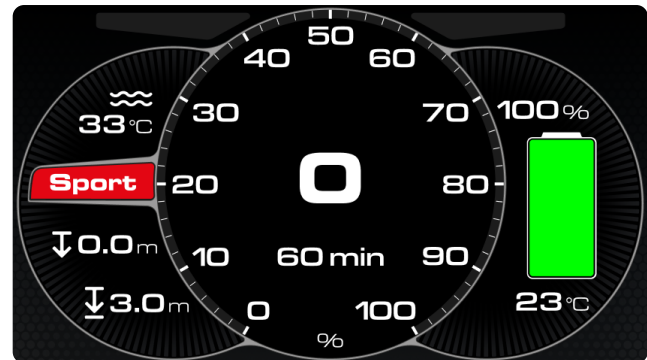
Set the timer runtime as follows:

1. Enter the menu.
2. Select "Operation Settings" → "Timer" → "Runtime".
3. Tap the Enter button.
 - ➔ The timer runtime settings are displayed.
 - ➔ The factory timer runtime setting is 60 min.
 - ➔ The currently set timer runtime is indicated by arrows.
4. Select the desired timer runtime by using the arrow buttons.
5. Confirm your selection with the Enter button.

6. The timer menu is displayed.
 - ✓ The timer runtime is changed according to your selection.

Activate the timer as follows:

1. Select the menu item "Status".
2. Tap the Enter button.
 - ➔ The timer status settings are displayed.
 - ➔ The factory timer status setting is "Off".
3. Activate the timer by selecting and confirming "On".
 - ➔ The timer menu is displayed.
 - ➔ The activated timer with remaining time is shown in the information display.
 - ➔ The timer starts as soon as the SEABOB motor is activated for the first time by pressing the Trigger.



Picture 20: Activated timer in the information screen.

Tip: The timer running time is shown below the power display in the information display. As soon as the timer has expired, the maximum motor power is reduced. The timer is not reset by restarting the SEABOB.

To deactivate the timer, proceed as follows:

1. Set the timer status to "Off".
 2. Tap the Enter button.
 - ➔ The timer menu is displayed.
- ✓ The timer is deactivated.

6.1. User Settings

If required, you can define and activate a personal User ID in the user settings. The User ID blocks the use of and access to the SEABOB with an individual, 4-digit number combination.

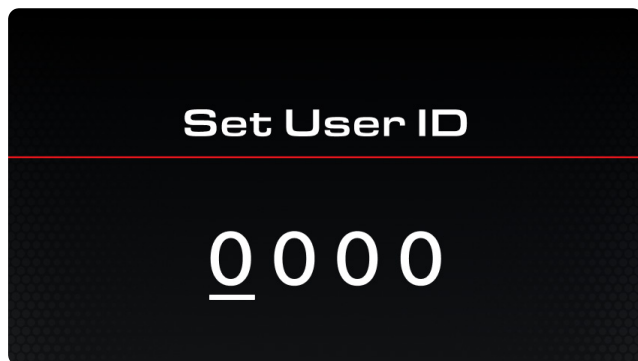
The access to the User Settings is protected with the SEABOB ID. To access the User Settings, the SEABOB ID must be entered correctly.

Tip: The SEABOB ID can be found on the owner certificate supplied.

6.1.1. Set User ID

Define a User ID as follows:

1. Enter the menu.
2. Select "User Settings" → "User ID" → "Set User ID".
3. Tap the Enter button.
 - ➔ The set User ID settings are displayed.
 - ➔ If you have defined a User ID, it will be displayed here.
 - ➔ The factory-set User ID is "0000".
4. Select your personal number combination using the arrow buttons.
5. Tap the Enter button to move to the next digit to the right.
6. Confirm your entry with the Enter button.
 - ➔ The User ID settings are displayed.
 - ✓ The selected User ID is saved.



Picture 21: User ID entry field.

6.1.2. Lock Type

With an activated User ID, the Operation Settings, the entire menu or the general operation after switching on the SEABOB can be locked with a User ID. To enter the locked area, the individually assigned User ID must then be entered. Alternatively, the factory-set SEABOB ID is also accepted.

Tip: The SEABOB ID can be found on the owner certificate supplied.

Set the area of your SEABOB blocked by User ID as follows:

1. Enter the menu.
2. Select "User Settings" → "User ID" → "Lock Type".
3. Tap the Enter button.
 - ➔ The lock type settings are displayed.
 - ➔ The currently set lock type setting is indicated by arrows.
 - ➔ The factory lock type setting is "Operation Settings".
4. Select the desired lock type setting using the arrow buttons.
5. Confirm your selection with the Enter button.
 - ➔ The User ID settings are opened.
 - ✓ The lock type setting is saved.

6.1.3. User ID Status

The User ID query is only active when the User ID status is set to "On".

Activate the User ID as follows:

1. Select "User Settings" → "User ID" → "Status".
2. Tap the Enter button.
 - ➔ The User ID status settings are displayed.
 - ➔ The currently set User ID status is indicated by arrows.
 - ➔ The default User ID status is "Off".
3. Activate the User ID query by selecting and confirming "On".
 - ➔ The User ID settings are opened.
 - ✓ The User ID query is activated.

To deactivate the User ID query, proceed as follows

1. Set the User ID status to “Off”.
 2. Tap the Enter button.
- ➔ The User ID settings are displayed.
 - ✓ The User ID query is deactivated.

6.2. Display Settings

In the display settings, you can make adjustments to the appearance of the display.

6.2.1. Display Brightness

In the display brightness menu, you can set the display brightness.

Adjust the display brightness as follows:

1. Enter the menu.
 2. Select "Display Settings" → "Display Brightness".
 3. Tap the Enter button.
- ➔ The display brightness settings are opened.
 - ➔ The currently set display brightness is indicated by arrows.
 - ➔ The factory-set display brightness is 10.
4. Select the desired display brightness using the arrow buttons.
- ➔ The display brightness is adjusted according to the selection.
5. Confirm your selection with the Enter button.
- ➔ The display settings are displayed.
 - ✓ The display brightness setting is saved.

6.2.2. Display Units

In the display unit settings, you can choose between metric (m / °C) and imperial (ft / F°) values for the parameters shown on the display.

Set the display units as follows:

1. Enter the menu.
 2. Select "Display Settings" → "Display Units".
 3. Tap the Enter button.
- ➔ The display unit settings are opened.
 - ➔ The currently set display unit setting is indicated by arrows.
 - ➔ The factory setting for the display unit is “metric” (m / °C).
4. Select the desired display unit setting using the arrow buttons.
 5. Confirm your selection with the Enter button.
- ➔ The display settings are displayed.
 - ✓ The display unit setting is saved.

6.3. Battery Settings

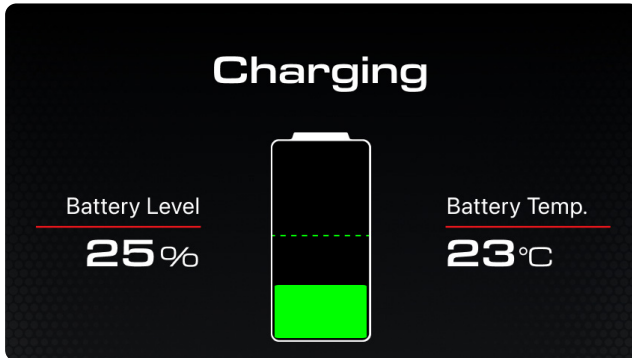
In the battery settings, you can make charging, discharging and storage settings for the batteries.

6.3.1. Charging Limit

By activating the charging limit, the maximum charge of the batteries is intentionally limited. The batteries are no longer charged up to their full capacity, but only up to a defined percentage. Lithium-ion batteries are subject to a natural ageing process, which is accelerated by frequent full charging cycles (from 0 % to 100 %). If the batteries are regularly charged to a lower percentage, they will be less stressed, resulting in less deterioration.

To set a charging limit, proceed as follows

1. Enter the menu.
 2. Select "Battery Settings" → "Charging Limit".
 3. Tap the Enter button.
 - ➔ The charging limit settings are displayed.
 - ➔ The currently set charging limit is indicated by marker arrows.
 - ➔ The factory-set charging limit is "100 %" (full charge or no Charge Limit).
 4. Select the desired charging limit setting using the arrow buttons.
 5. Confirm your selection with the Enter button.
 - ➔ The battery settings are displayed.
 - ➔ The charging limit is indicated by a visible line in the battery symbol during the next charging process.
 - ➔ When the set charging limit is reached, the display shows "Charge complete."
- ✓ The charging limit setting is saved.



Picture 22: Charging screen with charging limit (partial charging).

To disable the charging limit, proceed as follows:

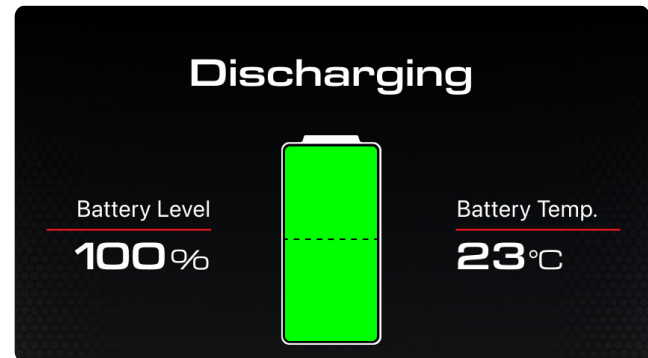
1. Set the charging limit to 100 %.
 2. Tap the Enter button.
 - ➔ The battery settings are displayed.
- ✓ The charging limit is deactivated.

6.3.2. Discharge

For transporting the SEABOB over long distances, especially when traveling by air, the lithium-ion battery cells must always be discharged to a partial charge of 30 % for safety reasons. A partial charge of max. 30 % battery capacity is required to activate Cargo mode.

To discharge the SEABOB to a partial charge level of 30 %, proceed as follows:

1. Enter the menu.
 2. Select "Battery Settings" → "Discharge".
 3. Tap the Enter button.
 - ➔ The discharge settings are displayed.
 - ➔ The currently set discharge setting is indicated by marking arrows.
 - ➔ The default setting is "Off" (no discharge).
 4. Activate the discharge of the batteries by selecting and confirming "Discharge to 30 %".
 - ➔ The discharge screen is displayed.
 - ➔ The discharge limit is indicated with a visual line in the battery symbol on the discharge screen.
 - ➔ When the set discharge limit is reached, the display shows "Discharge complete".
- ✓ The discharge process is initiated.



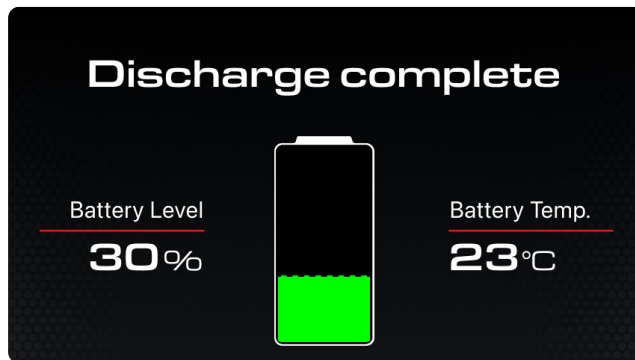
Picture 23: Discharge screen during the discharge process.

To stop the discharge process, proceed as follows:

1. Tap the Enter button.
- ➔ The discharge process is terminated.
- ✓ The SEABOB switches to On mode and is ready for use.

To exit the discharge screen when the discharge process is complete (Discharge complete), proceed as follows:

1. Tap the Enter button.
- ➔ The discharge process is terminated.
- ✓ The SEABOB switches to On mode and is ready for use.



Picture 24: Discharge complete.

6.3.3. Cargo mode

For transporting the SEABOB over long distances, especially when traveling by air, the lithium-ion battery cells must always be discharged to a partial charge of 30 % for safety reasons. A partial charge of max. 30 % battery capacity is required to activate Cargo mode.

Tip: In Cargo mode, the power supply to the essential system components, in particular the battery, is interrupted.

Tip: Always bear in mind, particularly if you plan to operate the craft, that you will need an active charger connected to a power source to switch the SEABOB back on from Cargo mode.

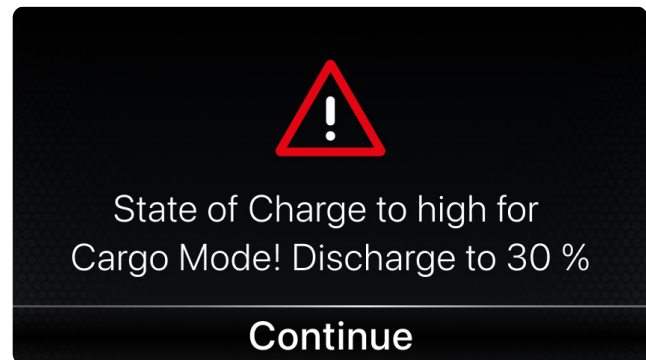
Tip: The SEABOB's battery capacity must be less than 30 % in order to activate Cargo mode. If the battery voltage is too high for Cargo mode, the SEABOB automatically discharges until the correct partial charge state has been reached ("30 %") and then enters Cargo mode.

Alternatively, you can reduce the charge by running the SEABOB to empty in a controlled fashion.

⚠ WARNING Never run the motor out of the water for longer than approx. 10 seconds to discharge the SEABOB. The seals of the motor and the hard-coated motor shaft are designed exclusively for use in the water. Operation out of the water can lead to overheating due to the lack of water to cool the device, thereby causing irreparable damage to the seals and motor shaft. Danger of short circuit!

To activate Cargo mode, proceed as follows:

1. Enter the menu.
2. Select "Battery Settings" → "Cargo mode".
3. Tap the Enter button.
- ➔ The Cargo mode settings are displayed.
- ➔ The currently selected Cargo mode setting is indicated by marker arrows.
- ➔ The factory setting for Cargo mode is "Off" (no Cargo mode).
4. Activate Cargo mode by selecting and confirming "On."
- ➔ If the current battery capacity of your SEABOB is greater than 30 %, a message will appear indicating that the batteries must be discharged to 30 % in order to activate Cargo mode. Confirm this message by clicking "Continue" to start the discharge process.



Picture 25: Battery capacity too high for Cargo mode.

5. Confirm activation of Cargo mode by pressing the Enter button ("Continue"). Alternatively, cancel activation of Cargo mode by pressing "Cancel."
- ✓ The SEABOB switches off ("Powering off") and enters Cargo mode.

NOTICE Cargo mode does not protect the batteries from total discharge. Charge the SEABOB after each use (within 24 hours) and continuously during longer periods of storage (tricklecharge) to at least the charge state "50 %" to avoid irreparable total discharge of the valuable High-Energy Lithium-Ion batteries. Be sure to read the information provided in this user manual on charging the SEABOB.

To disable Cargo mode, proceed as follows:

1. Plug the charging plug of a SEABOB-compatible charger into the connection port of your SEABOB. Be sure to observe the safety instructions and regulations for charging in chapter 5.2. "Charging the SEABOB."
 - ➔ The SEABOB switches to Charging mode.
2. Unplug the power cord from the power outlet.
3. Remove the powerless charging plug from the SEABOB.
 - ➔ The Cargo mode setting is set to "Off" (Cargo mode disabled).
- ✓ The SEABOB switches to On mode and is ready for use.

6.3.4. Deep Sleep mode

For long-term storage, Deep Sleep mode can be used to interrupt the power supply to the essential system components, in particular the battery. This protects the system against accidental or faulty activation. Due to the interrupted power supply to the system components, the SEABOB's energy consumption in Deep Sleep mode is lower than in Sleep mode.

Tip: Unlike Cargo mode, Deep Sleep mode is not linked to a specific battery capacity. Deep Sleep mode can be activated with any battery capacity.

Tip: The SEABOB automatically switches to Deep Sleep mode after 7 days (168 h) of inactivity in Sleep mode at the latest and can then only be switched on again with a connected and active charger. If it is detected in Sleep mode that the battery capacity falls below 50 %, the system automatically goes into Deep Sleep mode after 24 h and can then only be switched on again with a connected and active charger.

To activate Deep Sleep mode, proceed as follows:

1. Enter the menu.
2. Select "Battery Settings" → "Deep Sleep mode".

3. Tap the Enter button.
 - ➔ The Deep Sleep mode settings are displayed.
 - ➔ The currently set Deep Sleep mode setting is indicated by marker arrows.
 - ➔ The factory default setting for Deep Sleep mode is "Off" (no Deep Sleep mode).
4. Activate Deep Sleep mode by selecting and confirming "On".
 - ➔ A message appears indicating that a SEABOB-compatible charger must be connected to wake the SEABOB from Deep Sleep mode.
5. Confirm activation of Deep Sleep mode by pressing the Enter button ("Continue"). Alternatively, cancel activation of Deep Sleep mode by pressing "Cancel."
 - ➔ The Deep Sleep mode settings menu is displayed.
 - ✓ The SEABOB powers off.

NOTICE Deep Sleep mode does not protect the batteries from total discharge. Charge the SEABOB after each use (within 24 hours) and continuously during longer periods of storage (tricklecharge) to at least the charge state "50 %" to avoid irreparable total discharge of the valuable High-Energy Lithium-Ion batteries. Be sure to read the information provided in this user manual on charging the SEABOB.

To disable Deep Sleep mode, proceed as follows:

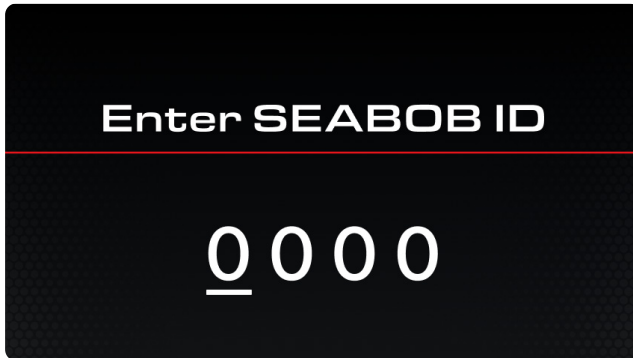
1. Plug the charging plug of a SEABOB-compatible charger into the connection port of your SEABOB. Be sure to observe the safety instructions and regulations for charging in chapter 5.2. "Charging the SEABOB."
 - ➔ The SEABOB switches to Charging mode.
2. Unplug the power cord from the power outlet.
3. Remove the powerless charging plug from the SEABOB.
 - ➔ The Deep Sleep mode setting is set to "Off" (Deep Sleep mode disabled).
- ✓ The SEABOB switches to On mode and is ready for use.

6.4. Connectivity

The connection to your SEABOB can be managed in the connectivity settings. Access to the connectivity settings is protected by the SEABOB ID. To access the connectivity settings, the SEABOB ID must be entered correctly.

Tip: You can find the SEABOB ID on the owner's certificate supplied with the SEABOB.

1. Select your personal number combination using the arrow buttons.
 2. Tap the Enter button to move to the next digit to the right.
 3. Confirm your entry with the Enter button.
- ✓ The connectivity settings are displayed.



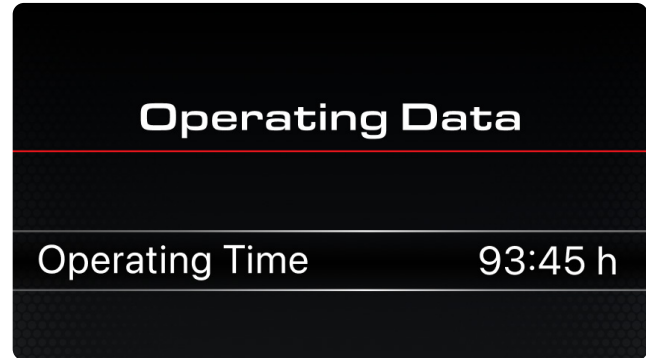
Picture 26: SEABOB ID entry field.

6.5. Information

In the information menu, you will find user and vehicle information for your SEABOB.

6.5.1. Operating Data

The "Operating Data" menu item contains performance data collected during operation of your SEABOB.



Picture 27: Operating Data.

How to access the Operating Data:

1. Enter the menu.
 2. Select "Information" → "Operating Data".
 3. Tap the Enter button.
- ➔ The operating data are displayed.
4. Use the up and down arrow keys to navigate to the desired menu item.
 5. Press the Enter button to exit the operating data.
- ✓ The information menu is displayed.

6.5.2. Model Data

In the “Model Data” menu item, you will find model data for your SEABOB.

Model Data	
Model	SEABOB F9 S
Serial No.	X128-16688
Year built	2025

Picture 28: Model Data.

How to access the Model Data:

1. Enter the menu.
 2. Select "Information" → "Model Data".
 3. Tap the Enter button.
- ➔ The model data are displayed.
4. Use the up and down arrow keys to navigate to the desired menu item.
 5. Press the Enter button to exit the model data.
- ✓ The information menu is displayed.

6.5.3. System Data

In the “System Data” menu item, you will find the software version numbers of the system components of your SEABOB.

System Data	
BMS	1.3.1
DC	5.1.2

Picture 29: System Data.

How to access the System Data:

1. Enter the menu.
 2. Select "Information" → "System Data".
 3. Tap the Enter button.
- ➔ The system data are displayed.
4. Use the up and down arrow keys to navigate to the desired menu item.
 5. Press the Enter button to exit the system data.
- ✓ The information menu is displayed.

6.5.4. User Manual

In the “User Manual” menu item, you will find a QR code that you can use to download the user manual for your SEABOB in digital form.

How to view the digital user manual:

1. Enter the menu.
 2. Select "Information" → "User Manual".
 3. Scan the QR code displayed with an internet-enabled mobile device.
 - ➔ You will be redirected to the download area for the operating instructions for the SEABOB F9 series.
 4. Click on the language version of the operating instructions of your choice.
 - ➔ The selected operating instructions will open in the browser of your mobile device.
 5. By clicking on “save document,” you can download the selected operating instructions to your mobile device and view them there.
 6. Press the Enter button on your SEABOB to exit the user manual section.
- ✓ The information menu is displayed.

Tip: You can request a paper version of the user manual at info@seabob.com

7. Driving and Diving

7.1. Before the start

We recommend that you switch on the SEABOB and perform a brief function check before you place the craft in the water. To do this, proceed as follows:

Switching on from Sleep mode:

1. Tap the On / Off button on the keypad of the SEABOB.
- ➔ The display is switched on. The SEABOB logo and the prompt “Confirm power on with Trigger” appear.



Picture 30: Confirm power on with Trigger.

2. Pull the Trigger towards the Controlgrip within 5 seconds and then release it completely. This initializes the system start. The display changes to “Please wait...”. The system may take a few seconds to start up.

Tip: If the Trigger is not pressed within 5 seconds during the “Confirm power on with Trigger” prompt, the display switches off again automatically. The SEABOB switches to Sleep mode.

- ✓ Once the system has started up, the information display appears or, if activated, the User ID prompt appears first.

Tip: To activate the User ID query upon switching on or to activate and subsequently change the User ID, please proceed as described in chapter 6.2. “User Settings”.

Tip: If the SEABOB is in Deep Sleep or Cargo mode, it can only be switched on again with a connected and active charger.

Perform a functionality test of the switched-on SEABOB:

We recommend that you switch on the SEABOB and perform a brief function check before you place the craft in the water. To do this, proceed as follows:

1. Tap the Plus button on the right-hand Controlgrip. This activates the Drive mode.
 - ➔ The center display shows 0 % power.
2. Pull the Trigger towards the Controlgrip and keep it pulled.
 - ➔ The motor is enabled.
3. Press and hold the Plus button for a maximum of 1 second.
 - ➔ The motor power is increased continuously.

WARNING Never run the motor out of the water for longer than approx. 10 seconds to discharge the SEABOB. The seals of the motor and the hard-coated motor shaft are designed exclusively for use in the water. Operation out of the water can lead to overheating due to the lack of water to cool the device, thereby causing irreparable damage to the seals and motor shaft. Danger of short circuit!

4. After successfully completing the function test, release the Trigger.
 - ➔ The motor activity stops.
 - ➔ The power indicator in the information display drops to 0 % power.
5. Tap the Minus button.
 - ✓ The system switches from Drive mode to On mode.

Carry or lift the SEABOB into the water:

1. Lift the SEABOB by the side handles and carry or lift it into water of at least 1 m / 3 ft depth.
 - ✓ Slowly lower the SEABOB so that it floats on the surface of the water.

WARNING Never throw the SEABOB into the water. The SEABOB could injure people and damage objects that are located in the invisible area below the water surface. The SEABOB could also be damaged. Risk of collision and injury!

WARNING If you are launching the SEABOB from a boat, always have another person assist with placing the SEABOB into and removing

it from the water (in particular, when there are waves present). Ensure that no one is under the SEABOB. Danger of injury!

⚠ CAUTION Only carry the SEABOB into the water when it is in On mode (no numerical power display in the information display) to prevent the motor from being started by accidentally activating the Trigger.

⚠ CAUTION Never carry the SEABOB by the Controlgrips, front bumper or display panel. Carry only by the carrying handles on each side.

📌 NOTICE Do not drag the SEABOB over sensitive surfaces such as the deck of a boat. Sensitive surfaces could be damaged by the stands of the SEABOB. In addition, the stands could wear down sensitive surfaces.

Pull out the tail fins:

Tip: Pull out the extendable tail fins to create better conditions for overwater cruising. Leave the extendable tail fins retracted for better agility under water when diving.

⚠ WARNING When driving, please note that the cross-section of your SEABOB becomes wider when the tail wings are extended. Risk of collision and injury!

⚠ CAUTION Make sure that you never suddenly pull out the tail wings and that there are no people or objects in the immediate vicinity of the rear of your SEABOB while the tail wings are being pulled out.

7.2. How to drive your SEABOB

⚠ WARNING Observe the safety instructions mentioned in chapter 1 and the following safety instructions before and during the driving your SEABOB:

- Operate the SEABOB defensively and safely at all times.
- Only use the SEABOB in sheltered waters and when accompanied by others or under the constant supervision of another person who can provide immediate assistance in case of emergency. Arrange to have a boat accompany you if you wish to operate the craft farther away from shore.

- Do not operate the SEABOB in strong currents, a heavy swell, strong wind or impaired visibility.
- Only operate the craft when it is light outside and the weather is good. Always check the weather forecast before you set out, and pay close attention to local weather conditions.
- Maintain a safe distance (minimum 5 m / 16 ft) from other persons, watercrafts and obstacles. Danger of collision and injury!
- The water must be at least 1 m / 3 ft deep. Operating the craft in water that is less than 1 m / 3 ft deep may cause injury to you or damage to the SEABOB as a result of hitting underwater objects (particularly if there are rocky bottoms, reefs and stones). Stay away from the immediate shore, and never attempt to steer the SEABOB onto the beach, shore or onto land of any kind. If the SEABOB comes into contact with the sea bed, it may, as a result of the very high suction power of the jet drive, become attached to the ground and jerk to a halt. Risk of collision and injury!
- Make sure that there are no aquatic plants or floating objects in the water that could get into the jet channel and damage or jam the motor or impeller.
- Make sure that you have selected the appropriate driving mode (Sport / Dive). Sport mode is only designed for driving the SEABOB on the water surface due to the faster acceleration. Select Dive mode for underwater travel. Risk of collision and injury!

7.2.1. Operation on the water surface

In order to create better conditions for overwater cruising, pull out the tail wing system before assuming the driving position on the SEABOB. This is done by pulling one tail wing on one side completely out of the rear of the SEABOB until the wing is locked in place. The two extendable tail wings are firmly connected to each other via a kinematic system. Pulling out one tail wing causes the tail wing on the other side to be pulled out at the same time.



Picture 31: Tail wing system when extended.

WARNING When driving, please note that the cross-section of your SEABOB becomes wider when the tail wings are extended. Risk of collision and injury!

CAUTION Make sure that you never suddenly pull out the tail wings and that there are no people or objects in the immediate vicinity of the rear of your SEABOB while the tail wings are being pulled out.

Hold on to the two Controlgrips on the SEABOB securely. The force of acceleration can be very high, especially when starting. In order to fully utilize the performance potential of the SEABOB, the use of the optionally available pilot belt system is recommended. This ensures comfortable driving, even at high power. Before using the pilot belt system, it is important that you read the "Information Sheet for Pilot Belt System".

1. Lie down on the SEABOB facing forward. Stretch your arms out completely and grab on to the Controlgrips firmly.
2. Tap the Plus button.
 - ➔ The system switches from On mode to Drive mode.
 - ➔ The power indicator in the information display shows 0 %.
3. Pull the Trigger towards the Controlgrip and keep it pulled.
 - ➔ The motor is enabled.
 - ➔ Press and hold the Plus button.
 - ➔ The motor power is increased continuously.
 - ➔ The SEABOB starts off.

WARNING Gradually increase the power while operating the craft so that you can familiarize yourself with the handling of the SEABOB. It is vital that you are in control of the SEABOB at all times.

4. If necessary, reduce the motor power by pressing and holding the Minus button.
 - ➔ The driving speed is reduced.
5. If you want to drive faster, hold down the Plus button with your right thumb while keeping the Trigger pulled.
 - ➔ The driving speed is increased.

Tip: A red bar lights up on the information display to indicate a reduction in driving performance as long as the Minus button is held pressed. The increase in driving performance is shown visually in the information display by a green bar lighting up as long as the Plus button is held pressed

Tip: If the Trigger is not activated while operation is interrupted, the current motor power gradually defaults back to "0 %" for safety reasons.

6. To turn, shift your weight in the direction you want to go, while pulling the bow of the craft in the same direction. Lean into the curve, just as you would on a bicycle or motorcycle. The lower part of your body, in particular your legs, act as a tail fin. While turning the craft, hold on to the Controlgrips tightly, so that you do not slide off the SEABOB.

WARNING Practice turning the craft at low speeds until you are able to control the SEABOB with ease.

7. To brake, keep a firm grip on both Controlgrips and release the trigger in your right hand.
 - ➔ The motor stops.
 - ➔ The water resistance slows the drive down quickly.

Tip: You can reduce the distance it takes you to come to a complete stop by turning the SEABOB sharply to the side and straightening up without letting go of the craft. This helps you to maintain control of the SEABOB and increases the water resistance considerably, so that you can come to a complete stop as quickly as possible.

WARNING The SEABOB brakes by cutting off the power and allowing the water resistance to slow the craft. It can take around 2-3 m / 6-10 ft for you to come to a complete stop, depending on the speed you are travelling. For this reason, always maintain a safe distance (minimum 5 m / 17 ft) to other persons, watercrafts and obstacles. Danger of collision and injury!

CAUTION If the SEABOB is released at full speed, it can continue to travel up to approx. 3 m / 10 ft and briefly submerge up to approx. 2 m / 6 ft. There is a risk of injury to persons and damage to other objects. The SEABOB can also be damaged, particularly if it touches the bottom when the water depth is too shallow.

NOTICE Charge the SEABOB after each use (within 24 hours) and continuously during longer periods of storage (tricklecharge) to at least the charge state "50 %" to avoid irreparable total discharge of the valuable High-Energy Lithium-Ion batteries. Be sure to read the information provided in this user manual on charging the SEABOB.

7.2.2. Charge state and emergency reserve

WARNING Always keep an eye on the charge state of the SEABOB. Always take into account the amount of time required to return to your starting point. Ensure that you start making your way back to the starting point, shore or accompanying boat in time.

The charge state of the SEABOB is constantly shown by the battery symbol on the right side of the display. As the charge level decreases, the battery icon gradually decreases from the top (100 %) to the bottom (0 %). The numerical display of the charge state (in % of full charge state) is located above the battery symbol. The battery temperature (in °C) is displayed simultaneously under the battery symbol.

When the battery is discharged to 30 % of its charge state, the motor's electronic control system reduces the maximum power incrementally. This is done to prolong the life of the battery as the voltage decreases, while ensuring that there is sufficient reserve capacity. When the battery charge level is 30 % or less, the lower section of the battery symbol is displayed red. During reserve operation, the driving performance is automatically reduced further until the motor comes to a stop.



Picture 32: Power reduction at 30 % battery capacity.


WARNING Make sure you resurface in time. When calculating the time it will take you to return, be sure to take into account the limited power of the craft in the reserve operation.



7.3. Diving

7.3.1. Setting the maximum diving depth


See chapter 6.1.1. "Diving Depth".

7.3.2. Diving to a depth of up to 3 m / 10 ft

 **WARNING** In addition to the safety information and instructions relating to operation on the water surface, be sure to observe the following safety information when diving:

- Only skilled and experienced swimmers are allowed to use the SEABOB for diving to a depth of up to 3 m / 10 ft.
- Only use the SEABOB for diving if you are completely healthy. Consult a doctor if you are in doubt.
- Never dive alone.
- Be aware that it is very difficult to judge the distance of objects under water. For better visibility, wear diving goggles.
- Before diving, always check to make sure that the depth sensor is working properly.
- Maintain a safe distance (minimum 5 m / 17 ft) to other persons and objects. Never dive under other swimmers, watercraft or through underwater objects.  **WARNING** Beware of collisions!
- Maintain a safe distance from other objects and the bottom of the sea or lake, particularly if there are rocky bottoms, reefs and stones. If the SEABOB comes into contact with the sea bed, it may, as a result of the very high suction power of the jet drive, become attached to the ground and jerk to a halt.  **WARNING** Risk of collision and injury!
- Make sure that you have selected the appropriate driving mode (Sport / Dive). Sport mode is only designed for driving the SEABOB on the water surface due to the faster acceleration. Select Dive mode for underwater travel. Risk of collision and injury!
- Make sure you resurface in time. When calculating the time it will take you to return, be sure to take into account the limited power of the craft in reserve operation.


7.3.3. Diving to a depth of more than 3 m / 10 ft

 **WARNING** Be sure to carefully read the safety information and instructions in Chapter 1.3. relating to operation on the water surface and diving to a depth of up to 3 m / 10 ft. In addition, observe the following safety information:

- Only divers with a valid diving license or accompanied by a certified diving instructor are allowed to use the SEABOB for diving to a depth of more than to 3 m / 10 ft.
- Only use the SEABOB for diving if you are completely healthy. Consult a doctor if you are in doubt.
- Never dive alone. Especially when scuba diving in caves, make sure that you are accompanied by another person with a second craft.
- Use only complete and fully functional diving equipment, in particular diving goggles, when diving.
- Before diving, always check to make sure that the depth sensor is working properly.
- When scuba diving, never rely completely on the depth sensor reading. The depth sensor is provided for information purposes only. The depth sensor is not a calibrated gauge and should not be used to perform tasks such as calculating decompression times.
- Always adhere to the recommended descent and ascent rates for scuba diving, while observing the decompression times.
- Make sure that you have selected the appropriate driving mode (Sport / Dive). Sport mode is only designed for driving the SEABOB on the water surface due to the faster acceleration. Select Dive mode for underwater travel. Risk of collision and injury!
- Always keep an eye on the remaining operating time and include reserves in your calculations. Always ensure that you are able to resurface and return to the starting point by yourself without the assistance of the SEABOB.

7.3.4. How to dive with your SEABOB

1. Activate the Dive mode.
2. Increase the power to approx. 50 %.
3. Bend your arms while pulling yourself closer to the front of the SEABOB.
4. Push the SEABOB down, so that the bow of the craft goes down into the water.
 - ➔ The speed of the SEABOB allows the craft to overcome its own buoyancy and dive into the water.
5. After the craft is submerged, you can adjust the power to the level you want.
6. To resurface, straighten out your arms and pull back on the Controlgrips, so that the bow of the SEABOB moves upward. The higher your speed is, the easier it is to turn the craft, since your body acts as a rudder in the water.


 **WARNING** Before resurfacing, ensure that there are no swimmers, watercraft or objects above you. Beware of collisions that may cause injury to you or other people.


Tip: If the factory-set maximum diving depth of approx. 3 m / 10 ft is exceeded, the motor switches off automatically. The buoyancy of the SEABOB causes the craft to resurface by itself. When the craft has returned to a diving depth that is above the depth limit of approx. 3 m / 10 ft, you can resume operating the craft.

7.3.5. Adjusting the buoyancy of the SEABOB

The SEABOB has positive buoyancy (the buoyancy changes with the salt content of the water). The buoyancy of the SEABOB can be adjusted using optionally available weights.

The benefit of the SEABOB's buoyancy: when the SEABOB is switched off and not fitted with additional weights, it will always float on the surface of the water or resurface if submerged.

 **WARNING** Only attach the buoyancy adjustment weights for planned dives. Observe the changed driving characteristics which occur through the adjustment of the buoyancy and the associated changes to the craft's own buoyancy force. Before you drive with the buoyant SEABOB in deeper waters, it is essential that you gather sufficient experience with regard to exposure to changed driving characteristics of the SEABOB by means of test drives in shallower waters.

 **WARNING** End the dive by surfacing in a controlled manner and in compliance with the required decompression times. Immediately turn the SEABOB off when a dive has finished (Sleep mode) and release the buoyancy adjustment weights from the craft to ensure a buoyant SEABOB can not be used by inexperienced or unauthorized persons.

8. After use

8.1. Finish the drive

1. Together with one other person, hold on to the carrying handles on both sides and lift the SEABOB out of the water, placing the SEABOB on a dry and sturdy surface that will not damage any components.

NOTICE Do not drag the SEABOB over sensitive surfaces such as the deck of a boat. Sensitive surfaces could be damaged by the stands of the SEABOB. In addition, the stands could wear down sensitive surfaces.

CAUTION Never carry the SEABOB by the Controlgrips, front bumper or display panel but only by the carrying handles on each side.

CAUTION Moor the SEABOB safely if you decide to leave it in the water for a short time. Ensure that the SEABOB cannot become unattached, injure others or obstruct their path.

2. Switch the SEABOB off (Sleep mode).

WARNING Never leave the SEABOB unattended to prevent children or other inexperienced or unauthorized persons from using the device.

3. Always put the SEABOB in the shade when not in use or, if necessary, cover the display with a wet, light-colored towel to prevent irreparable damage to the display caused by excessive heat, particularly as a result of being in direct sunlight.

➔ If exposed to temperatures of around 70 °C / 158 °F, the display's function can be impaired or irreparable damage may even be caused to the display.

WARNING Never expose the SEABOB and the charger to high temperatures (max. 60 °C / 140 °F) caused e.g. by open fire, direct sunlight or by storage inside a closed motor vehicle or trunk. If exposed to heat, flammable gases can be discharged causing serious injury. In addition, the display screen may become irreparably damaged if exposed to heat.

CAUTION When cleaning the SEABOB, only place it on the integrated stands designed for this purpose. Never stand it upright on

the front bumper or on the water outlet of the jet channel. The SEABOB could tip over and be damaged or damage other objects. Furthermore, this could prove to be dangerous for any persons in close proximity.

4. Slightly tilt the SEABOB to ease the cleaning process.
5. After using the device, first remove salt deposits, dirt or other foreign objects by rinsing the components with fresh water (from a low-pressure source such as a garden hose or watering can) and / or blowing them out with air from a low-pressure hose.

NOTICE Ensure that places which are not easily accessible (e.g. water inlets and outlets) are rinsed thoroughly or blown out with air.

6. Clean the SEABOB using a soft, clean cloth. If necessary, you can also use a mild cleaning agent designed for plastic surfaces that will not damage the finish.

NOTICE Dirt or salt deposits can corrode the sealing surface of the SEABOB. Even minute damage or dirt on the sealing surfaces can reduce the effectiveness of the seal, resulting in damage to the SEABOB as well as damage to the motor and the motor's electronic system.

NOTICE Please also ensure that you always follow the further instructions on cleaning the SEABOB in Chapter 9.1. "Cleaning the SEABOB".

NOTICE Charge the SEABOB after each use (within 24 hours) and continuously during longer periods of storage (tricklecharge) to at least the charge state "50 %" to avoid irreparable total discharge of the valuable High-Energy Lithium-Ion batteries. Be sure to read the information provided in this user manual on charging the SEABOB.

8.2. Switching the SEABOB to Sleep mode

See chapter 5.7.3. "Sleep mode".

8.3. Transport / Air transport of the SEABOB

⚠ WARNING When transporting Lithium-Ion batteries, always observe the applicable safety regulations and the specific regulations of the carrier. Be aware that safety regulations can change from time to time. For up-to-date information, please contact the manufacturer or your specialist dealer.

⚠ WARNING When transporting the SEABOB over long distances, especially by air, the Li-ion battery cells must always be charged to a partial charge level of "30 %" for safety reasons. Always follow the instructions in chapter 5.2. "Charging the SEABOB".

⚠ WARNING Never transport a fully charged SEABOB in an airplane or over long distances. The SEABOB must be switched off completely (Cargo mode) (see chapter 6.4.3. "Cargo mode"). Failure to do so may result in flammable gases escaping and causing serious injury.

⚠ NOTICE Recharge the SEABOB immediately (within 1 week) after transportation or air transport, either until complete for driving or for storage by trickle charging.

Battery charge level too high for air transportation:

If the battery voltage is too high for longer transportation or air transport, the batteries must be discharged to the correct partial charge level (maximum "30 %"). When activating Cargo mode via the "Cargo mode" menu setting (see chapter 6.4.3. "Cargo mode"), the battery voltage is checked. If the battery voltage is too high to activate Cargo mode (battery charge level greater than 30 %), the batteries are automatically discharged to the correct partial charge level ("30 %") via motor activity.

Tip: The discharge process can take up to 24 hours. Allow enough time to discharge before travel.

Tip: A battery charge level that is too high can also be reduced by driving in a controlled fashion. To do this, drive the SEABOB in the water until the battery charge level is no more than 30 %.

Tip: The SEABOB's battery capacity must be less than 30 % in order to activate Cargo mode. If the battery voltage is too high for Cargo mode, the SEABOB automatically discharges until the correct partial charge state has been reached ("30 %") and then enters Cargo mode. Alternatively, you can reduce the charge by running the SEABOB to empty in a controlled fashion.

⚠ WARNING Never run the motor out of the water for longer than approx. 10 seconds to discharge the SEABOB. The seals of the motor and the hard-coated motor shaft are designed exclusively for use in the water. Operation out of the water can lead to overheating due to the lack of water to cool the device, thereby causing irreparable damage to the seals and motor shaft. Danger of short circuit!

1. Check the display with the motor powered off (without load). Wait a few minutes before checking, as the battery voltage regenerates slightly after the motor is switched off.

✓ When the battery charge level is 30 % or less, the SEABOB can be switched off in Cargo mode (see chapter 6.4.3. "Cargo mode").

Tip: In Cargo mode, the power supply to the essential system components, in particular the battery, is interrupted.

Tip: Always bear in mind, particularly if you plan to operate the craft, that you will need an active charger connected to a power source to switch the SEABOB back on from Cargo mode.

8.3.1. Switching off the SEABOB for transport / air transport

See Chapter 6.4.3. "Cargo mode".

8.4. Storing the SEABOB

⚠ WARNING Do not store the SEABOB near flammable materials!

⚠ CAUTION Only place the SEABOB on the integrated stands designed for this purpose. Never stand the SEABOB upright on the front bumper or on the water outlet of the jet channel. The SEABOB could tip over and be damaged or damage other objects. Furthermore, this could prove to be dangerous for any persons in close proximity.

⚠ NOTICE If you do not plan to use the SEABOB for an extended period, it must be set to "Deep Sleep mode" and stored at least in a partial charge state (charge state "50 %"). The minimum charge state during storage is required to prevent irreparable total discharge of the valuable Lithium-Ion batteries and to ensure that the microprocessor-controlled cell balancing function remains active. You may have to recharge the SEABOB on a regular basis, depending on its charge state. The charging process is controlled automatically by the charger and battery management system. Be sure to read the information contained in Chapter 5.2. "Charging the SEABOB" when recharging!

NOTICE Store the SEABOB on a stable, level surface in a place that is cool, dry, well ventilated and frost proof. The optimum storage temperature is +10 to +25 °C / +50 to +77 °F.

NOTICE High temperatures may shorten the life of the Lithium-Ion batteries.

NOTICE When storing the device for an extended period, you should repeat the charging process no longer than every 4 weeks at the latest to maintain the minimum charge state required for storage. If this is not done, total discharge may result, causing irreparable chemical damage to the valuable High-Energy Lithium-Ion batteries. The internal battery management system will not permit further charging of a totally discharged battery (under 2.5 V per Lithium-Ion battery).

NOTICE For storage exceeding 4 weeks, in particular storage over the winter, we recommend keeping the activated charger connected continuously to the SEABOB (trickle charge) to maintain the required charge state and prevent total discharge. The charging process is controlled automatically by the charger and battery management system.

NOTICE Irrespective of the trickle charge, the status of the charging process must be checked at least every 4 weeks.

NOTICE Ensure that SEABOB and charger are not exposed to too high or too low temperatures during trickle charging. The battery management system will temporarily interrupt the charging process at temperatures over 50 °C / 122 °F or below 0 °C / 32 °F. The charging process will continue as soon as the acceptable charging temperature of below 50 °C / 122 °F or over 0 °C / 32 °F is reached again. If the charging process is interrupted for a longer period of time due to charging temperatures which are too high or too low, this can result in the irreparable total discharge of the valuable Lithium-Ion batteries even if they were constantly connected to an active charger.

8.4.1. Switching off the SEABOB for storage

See Chapter 6.4.4. "Deep Sleep mode".

9. Maintenance and care

WARNING Repairs and maintenance work on the SEABOB and charger that go beyond the procedures described in this chapter may only be carried out by an authorized technician. Work of this type is dangerous and may result in severe injury or cause damage to the SEABOB and charger if not carried out by an authorized technician. Work beyond the described procedures may also void your warranty.

WARNING Never alter or modify any part of the SEABOB or charger. Doing so may result in serious injury or death.

Tip: Be aware that components such as batteries, seals, impeller and stator are wearing parts. Signs of wear and use may also appear on the housing, surface finish, display screen, etc.

Provided that you observe the following care instructions, there are no special maintenance requirements. Apart from regular cleaning and care, only wearing parts may need to be replaced. However, it is recommended that you have the SEABOB checked regularly to ensure that it is working properly (e.g. the motor seal) and that the batteries are replaced after 5 years at the latest. Please contact the manufacturer or your specialist dealer for this.

Carry out the following maintenance work regularly:

9.1. Cleaning the SEABOB

CAUTION Only place the SEABOB on the integrated stands designed for this purpose. Never stand the SEABOB upright on the front bumper or on the water outlet of the jet channel. The SEABOB could tip over and be damaged or damage other objects. Furthermore, this could prove to be dangerous for any persons in close proximity.

1. Before cleaning, set the SEABOB to Deep Sleep or alternatively to Cargo mode (see chapter 6.4.4. Deep Sleep mode or 6.4.3. Cargo mode).

WARNING Before starting cleaning, make sure that the SEABOB is either in Cargo mode or Deep Sleep mode so that there is no current flowing through the connection port. Danger of short circuit!

2. Place the SEABOB on a sturdy and dry surface that will not damage the components. Slightly tilt the SEABOB to ease the cleaning process.

3. After using the device, first remove salt deposits, dirt or other foreign objects by rinsing the components with fresh water (from a low-pressure source such as a garden hose or watering can) and / or blowing them out with air from a low-pressure hose. Ensure that places which are not easily accessible (e.g. water inlets and outlets) are rinsed thoroughly or blown out with air.
4. Clean the SEABOB using a soft, clean cloth. If necessary, you can also use a mild cleaning agent designed for plastic surfaces that will not damage the finish.

NOTICE Dirt or salt deposits can corrode the sealing surface of the SEABOB. Even minute damage or dirt on the sealing surfaces can reduce the effectiveness of the seal, resulting in damage to the SEABOB as well as damage to the motor and the motor's electronic system.

NOTICE Aggressive cleaning agents such as aerosol sprays, petroleum-based substances, acetone and alcohol as well as sharp objects may damage the SEABOB. Avoid scratching the display screen while cleaning the device. This screen is coated to prevent scratching. Even so, particularly sand or salt deposits may leave permanent scratches on the screen if rubbed against the screen.

5. Check the sealing surfaces of the connection port and screw cap. In particular, look for any sand or salt deposits that may be present.
6. Immediately remove any sand or salt deposits, being particularly careful when doing so.

WARNING Make sure that no current is flowing to the connection port!

WARNING Dirty and / or damaged seals can reduce the effectiveness of the seal!

WARNING Ensure that there are no dried salt deposits on the connector or the contacts of the connection port. Salt deposits inhibit the flow of electricity during charging and can cause electrical contacts to overheat, resulting in irreparable damage to the contacts or even fires affecting the contacts or cable.

7. Rinse off the hermetically sealed connection port and the screw cap with fresh water (low pressure, for example using a garden hose or watering can).

8. Always avoid scratching the sealing and contact surfaces. Clean and dry them by blowing them out with a soft cloth and / or cotton buds.
- ✓ Clean and dry them by blowing them out with a soft cloth and / or cotton buds.

9.2. Changing the screw cap


NOTICE Even minute damage or dirt on the screw cap can reduce the effectiveness of the seal, resulting in damage to the connection port as well as damage to the motor and the motor's electronic system. For this reason, a damaged screw cap should be replaced immediately.


To purchase a screw cap that you can replace yourself, contact the manufacturer or your specialist dealer. This component is sold as a replacement part.



Picture 33: Screw cap.

10. Troubleshooting

 **WARNING** Repairs and maintenance work on the SEABOB and charger that go beyond the procedures described in this chapter may only be carried out by an authorized technician. Work of this type is dangerous and may result in severe injury or cause damage to the SEABOB and charger if not carried out by an authorized technician.

 **WARNING** Never alter or modify any part of the SEABOB or charger. Doing so may result in severe injuries or death.

Tip: Be aware that components such as batteries, seals, impeller and stator are wearing parts. Signs of wear and use may also appear on the housing, surface finish, display screen, etc.

10.1. SEABOB cannot be switched on

If you cannot switch on the SEABOB, either the SEABOB is completely discharged / run to empty or it has been switched off for Air Transport / Storage (Deep Sleep mode). If this is the case, you can only switch on the device using an active and connected charger (see chapter 8.3. "Transport / Air transport of the SEABOB" and 8.4. "Storing the SEABOB").

10.2. Motor does not run

1. Check the charge state of the SEABOB by checking to see if the display is working. If the SEABOB is discharged or run to empty, the display is switched off and no longer illuminated.
 - ➔ Remedy: Charge the SEABOB immediately!
2. Make sure that the SEABOB is in Drive mode.


Tip: The set maximum diving depth (depth limit) may have been exceeded. The motor can only be switched back on when the craft has returned to a diving depth that is above the depth limit.

- ➔ An error message is displayed: motor, battery or system error. Contact the manufacturer or your specialist dealer.

10.3. Warning and error message of the electronics

Your SEABOB is equipped with cutting-edge electronic technology to monitor the functions of the watercraft. These smart and software-controlled electronics are set at a high level of sensitivity for safety reasons. In the event of an error message appearing on the Information Display due to this sensitive control technology, you are advised to reset the SEABOB in order to assess the message.


1. To do this, switch the SEABOB off.
2. After a short switch-off time, you can switch the SEABOB on again.
 - ➔ The previously displayed error message no longer appears.
 - ✓ If the error message appears repeatedly after a reset, a verification must be carried out to determine whether there is a technical fault.


 **WARNING** This system reset should not be carried out in the event of alerts concerning water in the machine or damage to the SEABOB. In such cases, operation of the SEABOB must not be continued, and it is essential that the device be checked without delay by an authorized service engineer.


10.4. Impeller does not turn (no thrust)

Check whether any foreign objects such as aquatic plants, pieces of rope or plastic wrappers have entered the SEABOB jet channel and jammed the impeller or stator. If this is the case, proceed as follows:

1. Switch the SEABOB to Deep Sleep mode (see chapter 6.4.4. "Deep Sleep mode").
2. Take the SEABOB out of the water.
3. Place it on a dry and sturdy surface that will not damage any components.


 **CAUTION** Never carry the SEABOB by the Controlgrips, front bumper or display panel but only by the carrying handles on each side.


 **WARNING** Always ensure that the SEABOB is completely switched off (Deep Sleep mode) to prevent the motor from starting accidentally. Risk of injury!

 **WARNING** Never attempt to remove foreign objects while the SEABOB is in the water and / or switched on. Never reach in between the protective lamellas of the jet channel. Risk of injury!

4. Remove foreign objects from the jet channel, stator and impeller by rinsing the components with fresh water (from a low-pressure source such as a garden hose or watering can) and / or blowing them out with air from a low-pressure hose.
5. Switch on the SEABOB with the charger (see Chapter 5.7.4. "Deep Sleep mode") and check that the motor and impeller can move freely.


Tip: A connected and active charger is required to switch the device on from Deep Sleep mode.

 **WARNING** Never run the motor out of the water for longer than approx. 10 seconds to discharge the SEABOB. The seals of the motor and the hard-coated motor shaft are designed exclusively for use in the water. Operation out of the water can lead to overheating due to the lack of water to cool the device, thereby causing irreparable damage to the seals and motor shaft. Danger of short circuit!


 **WARNING** Should the impeller still fail to turn, contact the manufacturer or your specialist dealer.

10.5. Trigger does not function properly


1. Remove dirt or foreign objects from the Trigger by rinsing it off with fresh water and / or blowing it out with air from a low-pressure hose.
2. The Trigger may freeze in frosty weather, causing it to stick. Place the SEABOB in the water so that frozen components can thaw off.


 **WARNING** A damaged or sticking Trigger should be repaired or replaced immediately. Contact the manufacturer or your specialist dealer.


10.6. Moisture present in connection port

 **WARNING** If moisture or wetness appears inside the sealed area of the connection port, the seals are defective or the screw cap was not put on or has been put on incorrectly. Charge the SEABOB only if the connection port and connector are completely clean and dry (see Chapter 5.2. "Charging the SEABOB").

1. Check the sealing surfaces of the connection port and screw cap thoroughly for damage or dirt. Replace the screw cap if necessary.

 **WARNING** If you detect defective sealing surfaces on the connection port or any visible damage on the SEABOB, immediately halt operation and contact the manufacturer or your specialist dealer without delay.


 **WARNING** Never use a damaged connector or connection port, in particular if the high-current contacts inside the sealed area of the device are damaged. Doing so may cause the contacts and cables to overheat during charging. Water may leak into the batteries or may have already done so. Danger of short circuit! There is the danger of flammable gases being discharged causing serious injury.

 **WARNING** Never open the batteries. Danger of short circuit! Beware of flammable gases that may be discharged causing serious injury!


10.7. SEABOB cannot be charged


If the charge indicator does not appear on the display and the SEABOB does not switch to charge mode despite being connected to the charger, this could be due to the fact that the connection port and / or connector are not absolutely clean and dry. The connection port and the connector must always be absolutely clean and dry when charging.

Check the connection port and, if necessary, thoroughly clean and dry it (see Chapter 9.1. "Cleaning the SEABOB"). Check the connector of the charger for moisture, dirt and salt deposits, too. Clean and dry it using a cotton bud, if necessary.

 **WARNING** Ensure that there are no dried salt deposits on the connector or the contacts of the connection port. Salt deposits inhibit the flow of electricity during charging and can cause electrical contacts to overheat, resulting in irreparable damage to the contacts or even fires affecting the contacts or cable.


11. Disposal

 **WARNING** Never separate the batteries from the device. They are firmly integrated in the SEABOB. Doing so may cause flammable gases to be discharged causing serious injury.

 **NOTICE** Used batteries (batteries which are faulty or no longer provide adequate power) are to be disposed of in accordance with statutory regulations in order to protect the environment and health.



Used batteries may only be disposed of and recycled properly. In particular, they may not be disposed of together with household waste, and are, therefore, marked with the crossed-out dustbin symbol.

 **NOTICE** End users are obligated by law to return used batteries. Devices with batteries which are faulty or no longer provide adequate power may be returned free of charge to CAYAGO for proper disposal and recycling.

Please send returns to:

CAYAGO AG

Benzstr. 10

32108 Bad Salzufen

GERMANY

12. Service

For service or repairs, please contact the manufacturer or your specialist dealer

- by E-Mail at service@seabob.com
- by phone at + 49 5222 8509 - 122 / - 123
(Mon-Fri, 9:00 a.m. to 6:00 p.m. CET,
except on public holidays)
- or your specialist dealer.

Please have the following information ready:

- Model name
- SEABOB serial number
- Batteries serial numbers
- Service / error messages appearing on the display
- Exact description of the malfunction or damage
- Serial numbers of the batteries

A specialist will assist you in identifying the cause of the error and take further action if necessary.

13. Technical specifications

All specifications are only intended for use in describing the product. They are not to be construed as guaranteed properties. The specifications provided here do not represent absolute values, since certain deviations may occur as a result of manufacturing-related tolerances. Specifications may be changed without notice to take into account new technical advances. As a result, actual product properties may differ from the ones described here.

Housing

- Hard integral PUR polymer technology

Motor / Electronics

- Long-lasting and reliable high-performance electric motor
- Direct drive (without gearbox)
- Electronically commutated (brushless)
- Extremely low-wear and highly durable
- Extremely rugged mechanical and thermal characteristics; electronic temperature monitoring
- Direct water cooling for continuous output
- Highly resistant to seawater and watertight; able to withstand pressure (diving depth 25 m / 82 ft)
- Stepless power control
- High overall efficiency including
- High torque
- Maximum driver weight: 120 kg / 265 lbs

Special motor sealing case

- Multiple-stage sealing rings for redundant seal effect throughout the sealing system
- Special rotary shaft seals are mounted in multiple stages on a special hard-coated stainless steel drive shaft for lasting and reliable protection against water ingress
- Additional preliminary-stage felt rings designed to protect the sealing rings from contamination
- Replaceable sealing case for service

Drive

- Electric jet impeller; low-wear direct drive with guide vanes stator and diffuser system

- Thrust / tractive force:
SEABOB F9: 2.6 kW with up to 450 N
SEABOB F9 S: 3.6 kW with up to 550 N

Batteries

- Aluminium batteries are highly resistant to seawater for direct water cooling; encased in watertight shell constructed of fiberglass-reinforced highgrade epoxy composite materials; can withstand pressures of up to 12 bar (174.045 PSI)
- Integrated microprocessor-controlled battery management system for controlled charging / discharging and easy operation
- High-Energy Lithium-Ion batteries:
F9: approx. 0,8 kWh; 48 V; 18 Ah
F9 S: approx. 1,2 kWh; 48 V; 27 Ah
- No memory effect; long life, high performance and high energy density
- Temperature range for transport / storage:
1 year: -20 to +25 °C / -4 to +77 °F
3 Months: -20 to +45 °C / -4 to +113 °F
1 Month: -20 to +60 °C / -4 to +140 °F
- Operating temperature range:
-10 to +65 °C / +14 to +149 °F

Threshold values for Lithium-Ion batteries monitored by the battery management system

- 4,2 V: maximum charging voltage (charging is stopped)
- 3,0 V: minimum discharging voltage under load (motor stops)
- 2,8 V: minimum discharging voltage without load (SEABOB turns itself off in the Deep Sleep mode)
- 2,5 V: minimum cell voltage for charging (falling below this limit results in irreparable total discharge: Charging is no longer possible!)
- 50 °C / 122 °F: maximum charging temperature (charging is stopped)
- 140 A: maximum permissible momentary discharging current (motor stops)
- 30 A: maximum charging current

Charging Time

- F9: approx. 4 to 6 hours (with Battery Package Plus)
- F9 S: approx 6 hours

Using the optionally available Quick Charger reduces the charging time to only approx. 1.5 hours (charging time may be longer if outlet voltage is under 230 V)

Dimensions

- F9: L x B x H: 1.023 mm x 501 mm x 343 mm
- F9 S: L x B x H: 1.023 mm x 520 mm x 343 mm

Weight

- F9: 22,8 kg* / 50 lbs*
- F9 S: 25,8 kg* / 56,9 lbs*

Buoyancy in fresh water

- F9: ca. 11 kg / 24 lbs
- F9 S: ca. 8 kg / 17,5 lbs

Motor control

Stepless electronic power control via piezo buttons

Steering

By shifting weight and legs.

Stopping / braking

Motor stops when the Trigger on the right Controlgrip is released. Water resistance halts the craft.

Operating time

- F9: On average 40 up to 60 min (with Battery Package Plus)
- F9 S: On average 50 min

Maximum diving depth

- 25 m / 82 ft (see chapter 7.3.1. "Diving Depth")

Depth gauge

- Built-in diving gauge with integrated, seawater resistant
- Ceramic sensor
- Temperature compensated
- Compares zero point and final value

Care and maintenance

No special maintenance is required if the care instructions are adhered to (cleaning of the device and possible replacement of wearing parts)

Recommendation: Regular inspection of the SEABOB (e.g. the motor seal) by the manufacturer or specialist dealer and replacement of the lithium-ion batteries after 5 years at the latest

Impact on the environment

Emission-free and quiet operation

* Deviations in weight are due to the materials used. Special and additional equipment increases the total weight.

14. Declaration of Conformity

We, CAYAGO AG, Flachter Str. 32, 70499 Stuttgart, declare under our sole responsibility that the vehicles of the SEABOB F9 model series comply with the essential requirements of the listed EU Directive. The EU Declaration of Conformity can be requested via info@seabob.com or from the aforementioned manufacturer's address.



15. Imprint

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Art. Nr. 17532

As of 05/2025

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