LAMPUGA

OPERATING MANUAL

THANK YOU FOR CHOOSING A LAMPUGA PRODUCT

Read the operating manual before each use and keep it for future use of the e-surfboard. Please keep the original packaging for future transportation.

You can find more information about Lampuga E-Surfboard on our website.

https://lampuga.com/de/support

CONTENT

01 INTRODUCTION

OPERATING MANUAL

This operating manual is the basis for all use of the Lampuga Air e-surfboard. It contains all the important information about the e-surfboard and its accessories.

Observe and follow all safety instructions

Ensure that all persons using the e-surfboard are trained in its safe use. Use without safety equipment is not permitted!

Before use, make sure that the expected wind and sea conditions correspond to the design category of your e-surfboard.

Only use original spare parts for maintenance or repair work. Only carry out this work if you have received appropriate training. Modifications that may impact the safety characteristics of the e-surfboard are not permitted! Lampuga GmbH cannot be held responsible for such modifications!

Local regulations such as driving license regulations, insurance regulations or other regulations must be clarified before use.

Improper handling can lead to damage of the product. Careful handling and regular maintenance of the e-surfboard contribute to its safe operation.

These operating instructions must always be kept in the immediate vicinity of the e-surfboard and handed over when the e-surfboard is passed on.

These operating instructions are valid for the product:

- LAMPUGA AIR
- LAMPUGA Rescue

The document is available in other languages on the official Lampuga website and as a PDF file via the Lampuga app.

 German

 French

 English

 Español

 Italiano

 Ελληνικά

 Hrvatski

https://lampuga.com/de/support

SYMBOL DESCRIPTION

Safety instructions are indicated by pictograms and corresponding warning symbols and signal words.

NOTE
Indicates information which, if ignored, may result in damage to the product or other objects.

CAUTION
Indicates a potentially hazardous situation which, if ignored, may result in minor or moderate injury.

WARNING
Indicates a potentially hazardous situation which, if not avoided, could result in serious injury or death.

DANGER
Indicates an imminently hazardous situation which, if not avoided, could result in death or serious injury.

LIMITATION OF LIABILITY

All information and instructions in these operating instructions have been compiled in accordance with applicable standards, regulations and the current state of the art. Lampuga GmbH accepts no liability for damage caused by:

- Non-observance of the operating instructions
- Improper use of the products
- Use of unauthorized spare parts
- Manipulation of any kind

WARRANTY AND GUARANTEE

Lampuga GmbH guarantees the functionality of your products as delivered and within the statutory warranty period, provided that the maintenance and care instructions listed in Section 08 are observed.

CONTACT

If you have any questions about the product or your contract, please get in touch with your Lampuga contact personal.

Lampuga support is available for technical problems. Contact details and our support times can be found on our website.

INTELECTUAL PROPERTY

02 SAFETY

USE

- The use of the e-surfboard is only permitted on waters approved for this purpose. Use in nature, water and animal protection areas and in designated swimming zones is prohibited in most regions. Corresponding local regulations must be checked before using the E-Surfboard.

- The e-surfboard is intended exclusively for water sports purposes. Improper use may result in damage to the product

- Observe the weight restrictions and physical condition of the user. The use of the e-surfboard requires a certain level of physical fitness and physical health. You must be able to swim.

- We advise against using the e-surfboard under the influence of alcohol, medication, drugs or physical ailments.

- Always use the e-surfboard responsibly and wear appropriate protective equipment.

- The board must not be used by non-swimmers.
- Use in the dark and in poor visibility conditions is prohibited.
- Liability or commercial insurance must be taken out before use.

WARNING

The drive of the Lampuga Air, the charger, QI charger and the kill switch generate a magnetic field that could affect active medical implants. If necessary, consult a doctor before use.

Keep the kill switch magnet away from other magnets or ferromagnetic metals.

DANGER

- Check the current weather conditions before setting off.

WARNING

Risk of injury from using the e-surfboard in unsafe weather conditions. Never use the e-surfboard in...

- Severe weather (storm, thunderstorm)
- Poor visibility (darkness, fog)
- High swell (waves > 0.5 m)
- Strong current

- Only use the e-surfboard in suitable waters.
- In the event of a sudden thunderstorm, lie flat on the board and return to land as quickly as possible.

CAUTION

Risk of injury from using the e-surfboard in an unsafe environment. Never use the e-surfboard ...

- If the water depth is too shallow (min. 1.2 m)
- in areas where swimmers are present
- in rough seas (waves > 0.5 m)
- In strong currents, in waters polluted by floating debris (wood, algae, ice)

Keep a sufficient distance from other water sports enthusiasts and watercraft and the shore as well as lines etc. Slow down immediately when approached by other water sports enthusiasts. No persons may be within 20 meters of the board while it is in motion.

Do not jump off the moving board, but always wait until it has come to a standstill.

Strong offshore winds can make it difficult to return to land.

- Risks due to mechanical hazards.

WARNING

Risk of injury from moving components.

- Never reach into the inlet or outlet opening of the jet while the e-surfboard is switched on.

The battery is heavy. Take care when handling.

- Risks due to electrical hazards.

WARNING

- Severe corrosion on the plug contacts can cause the battery to leak
- Check the condition of the pressure equalization element for obvious damage before each journey

-

DANGER

Risk of injury from electric current.

- If the battery is damaged, switch off the power supply immediately.
- Do not use damaged batteries, contact customer service
- Do not immerse a damaged battery under water.

- Spare parts.

WARNING

Risk of injury due to incorrect spare parts.

- Only use original Lampuga spare parts. Faulty spare parts impair safety and can lead to injuries, malfunctions or even total damage.

PERSONAL PROTECTION CLOTHING

- Always use the e-surfboard responsibly.

- The wearing of appropriate protective equipment is recommended.

WARNING

Risk of injury from using the e-surfboard without suitable protective equipment. Use the e-surfboard with...

- Helmet (certified according to DIN EN 1385)
- Life jacket or impact protection vest (certified according to DIN EN 12402)
- Neoprene clothing (if required)
- Non-slip and waterproof footwear

In strong sunlight, we also recommend

- Wearing sports sunglasses
- Use of waterproof sun protection

03 TECHNICAL DATA

INFLATABLE HULL

- **LAMPUGA AIR** (variant L1)

Max. Number of drivers	1
Max. Payload	100 kg
Design category	D
Weight PVC hull	8 kg
Length	230 cm
Width	75 cm
Height (without fins)	25 cm

- **LAMPUGA large hull** (variant L2)

Max. Number of drivers	2
Max. Payload	200 kg
Design category	D
Weight PVC hull	12 kg
Length	290 cm
Width	87 cm
Height (without fins)	28 cm

POWERBOX

Tension	< 60 Vdc
Shaft power (see drive unit rating plate)	4.5 kW 7.5 kW 10.2 kW
Max. Speed	40 km/h (at 4.5 kW) 45 km/h (at 7.5 kW) 55 km/h (at 10.2 kW)
Weight	17 kg
Permissible temperature range	5 - 40 °C
Storage conditions	5 - 35 °C
Drive type	Water jet

NOTE

The charge status of the battery, the total weight of the user and external influences such as wind, waves, currents and temperature have a direct influence on the maximum speed that can be achieved and on the range.

BATTERY

Nominal voltage	50.4 Vdc
Capacity	71.8 Ah 3.6 kWh
Loading time	Approx. 2 h *
Weight	26.6 kg
Permissible temperature range	5 - 60 °C (unloading) 5 - 45 °C (charging)
Permissible temperature range during storage	5 - 35 °C
Recommendation	20 °C
Permissible humidity during storage	5 - 75 %
Recommendation	30 %
Maximum state of charge (SOC) for transportation	30 %
Recommended state of charge (SOC) for storage	40 - 50 %

CHARGING UNIT

Input voltage	110 - 230 V
Max. rated power	1.5 kW *
Max. Operating temperature	35 °C
Loading procedure	CCCV
Loading time	Approx. 2 h *

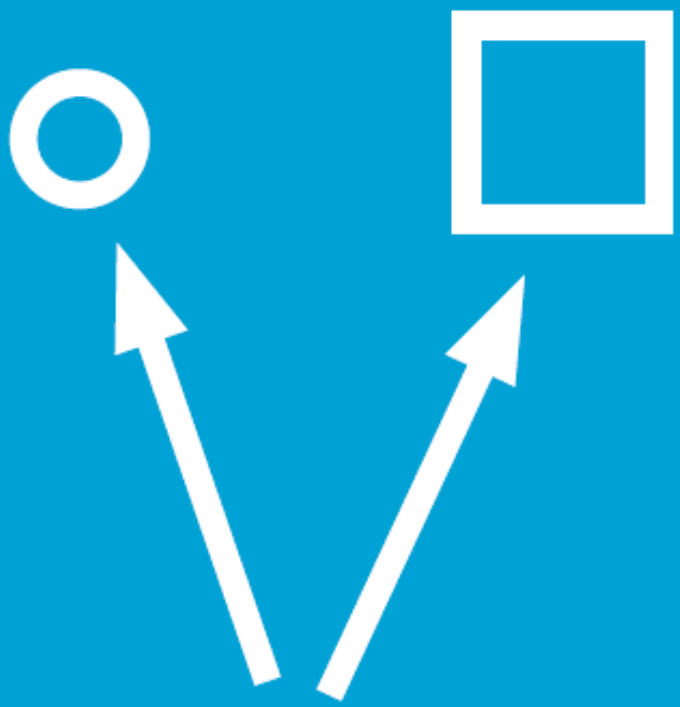
*Only with 230 V input voltage

REMOTE CONTROL

Nominal voltage	3.6 Vdc
Battery type	Li-Ion battery
Loading time	Approx. 3.5 h
Permissible temperature range	5 - 60 °C (unloading) 5- 45 °C (charging)
Frequency band	2.402 - 2.480 Ghz

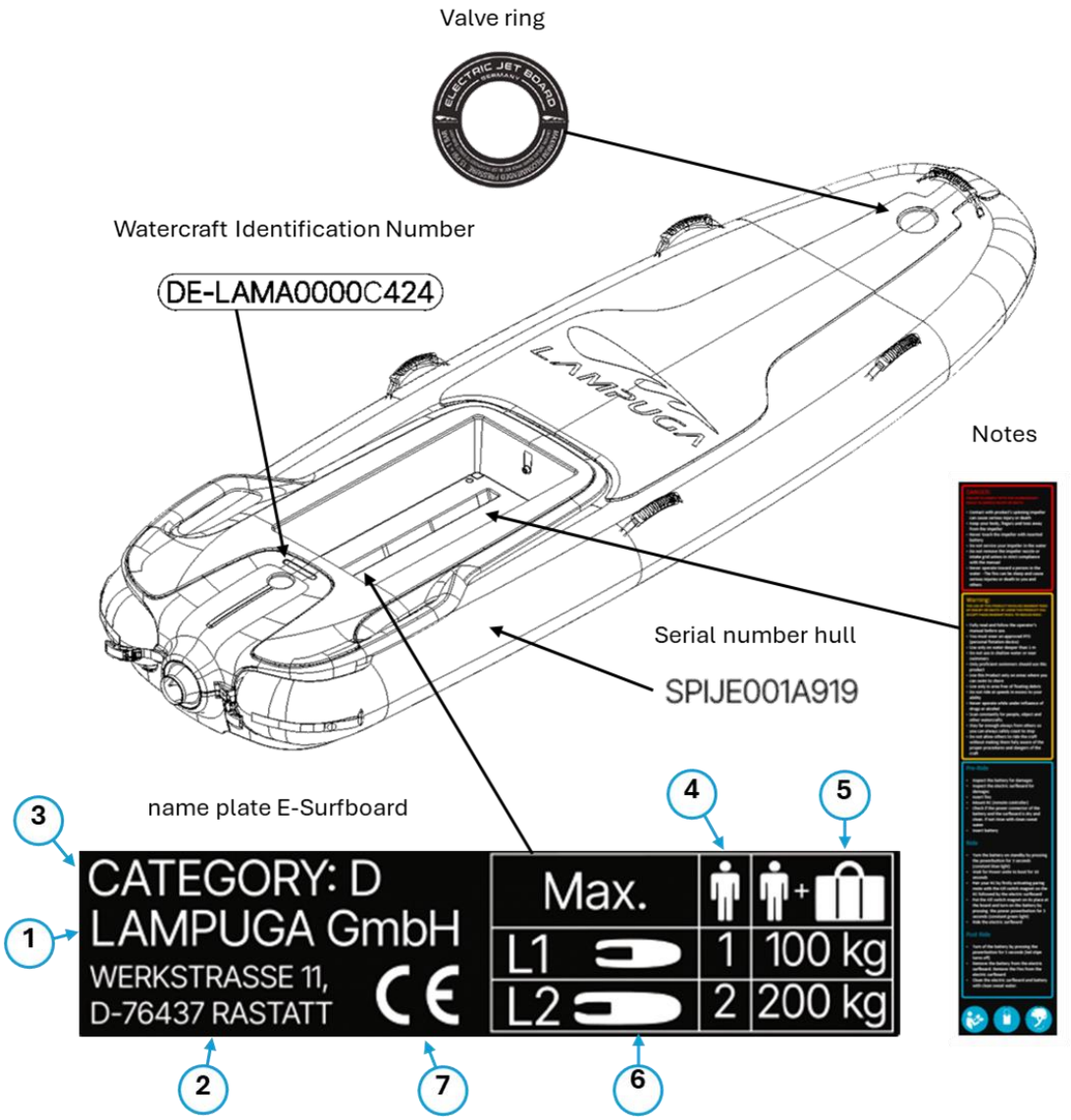
QI CHARGING STATION

Charger type	Wireless Standard QI
Permissible temperature range	5 - 50 °C
Recommended power supply unit	DC 5 V (2 A)



04 LABELING

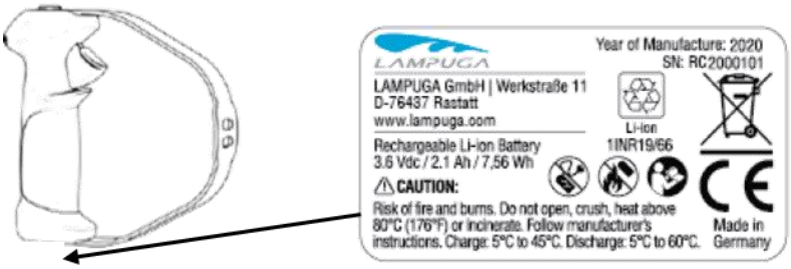
- **E-Surfboard**



1. Manufacturer name
2. Manufacturer address
3. Design category
4. Max. Number of persons
5. Max. Total weight
6. Air fuselage variant
7. CE mark

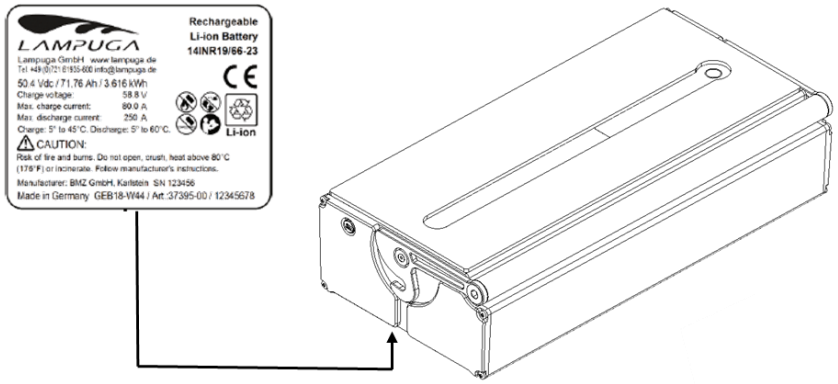
- **Remote control**

Remote control name plate

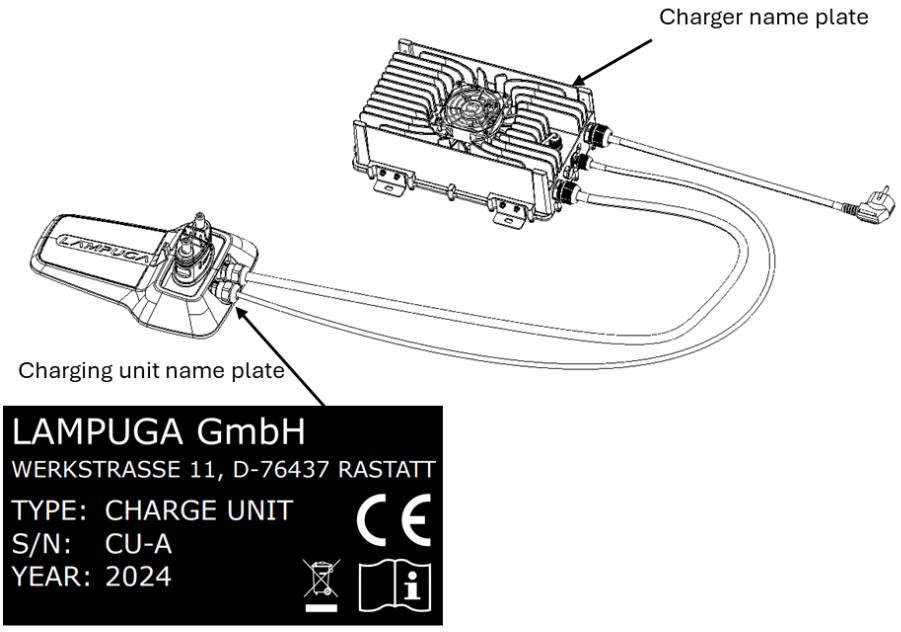


- **Battery**

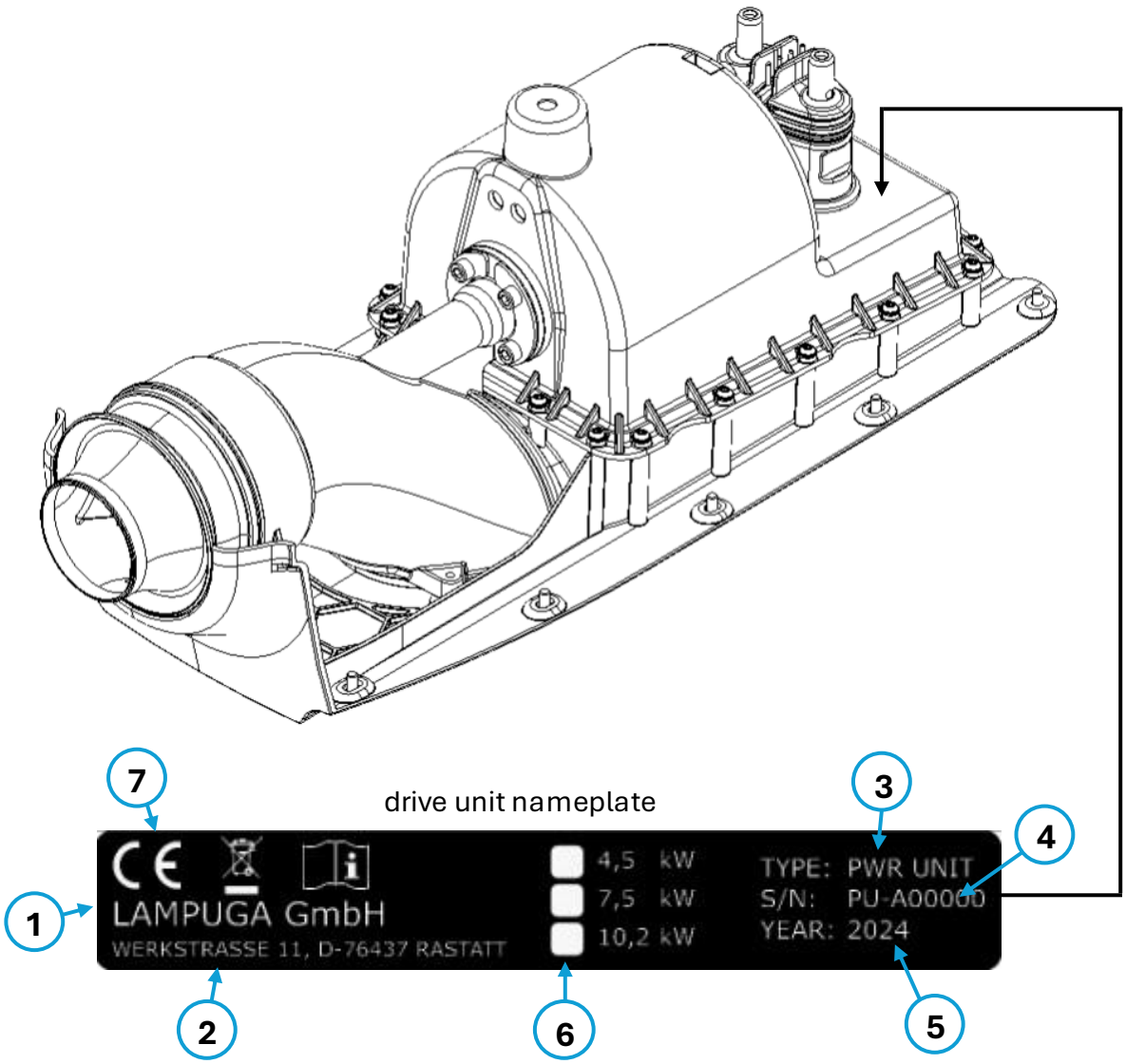
Battery name plate



- **Charging unit**



- **Drive unit**



1. Manufacturer name
2. Manufacturer address
3. Type
4. Serial number
5. Model year
6. Max. power
7. CE mark

- **Powerbox**

DANGER:

FAILURE TO COMPLY WITH THIS WARNING MAY RESULT IN SERIOUS INJURY OR DEATH

- Contact with product's spinning impeller can cause serious injury or death
- Keep your body, fingers and toes away from the impeller
- Never touch the impeller with inserted battery
- Do not service your impeller in the water
- Do not remove the impeller nozzle or intake grid unless in strict compliance with the manual
- Never operate toward a person in the water - The fins can be sharp and cause serious injuries or death to you and others

Warning:

THE USE OF THIS PRODUCT INVOLVES INHERENT RISKS OF INGURY OR DEATH: BY USING THIS PRODUCT YOU ACCEPT THESE INHERENT RISKS: TO REDUSE RISKS:

- Fully read and follow the operator's manual before use.
- You must wear an approved PFD (personal flotation device)
- Use only on water deeper than 1 m
- Do not use in shallow water or near swimmers
- Only proficient swimmers should use this product
- Use this Product only on areas where you can swim to shore
- Use only in area free of floating debris
- Do not ride at speeds in excess to your ability
- Never operate while under influence of drugs or alcohol
- Scan constantly for people, object and other watercrafts
- Stay far enough always from others so you can always safely coast to stop
- Do not allow others to ride the craft without making them fully aware of the proper procedures and dangers of the craft

Pre-Ride

- Inspect the battery for damages
- Inspect the electric surfboard for damages
- Insert fins
- Mount RC (remote controller)
- Check if the power connector of the battery and the surfboard is dry and clean. If not rinse with clean sweat water
- Insert battery

Ride

- Turn the battery on standby by pressing the powerbutton for 3 seconds (constant blue light)
- Wait for Power unite to boot for 10 seconds
- Pair your RC by firstly activating paring mote with the Kill switch magnet on the RC followed by the electric surfboard
- Put the Kill switch magnet on its place at the board and turn on the Battery by pressing the power powerbutton for 3 seconds (constant green light)
- Ride the electric surfboard

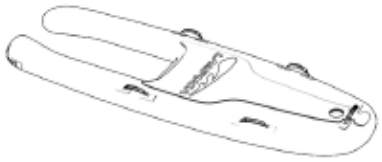
Post Ride

- Turn of the battery by pressing the powerbutton for 5 seconds (led stipe turns off)
- Remove the Battery from the electric surfboard. Remove the Fins from the electric surfboard
- Clean the electric surfboard and battery with clean sweat water.

05 TRANSPORTATION AND STORAGE

SCOPE OF DELIVERY

Check that your delivery is complete.



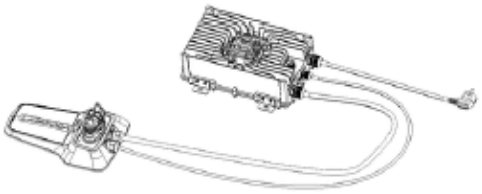
PVC Inflatable Hull

Power Box

Hand Pump

Remote Control

Battery



Charging Unit

Finns

Leash with Kill Switch

Qi Charger

Nozzle Type A

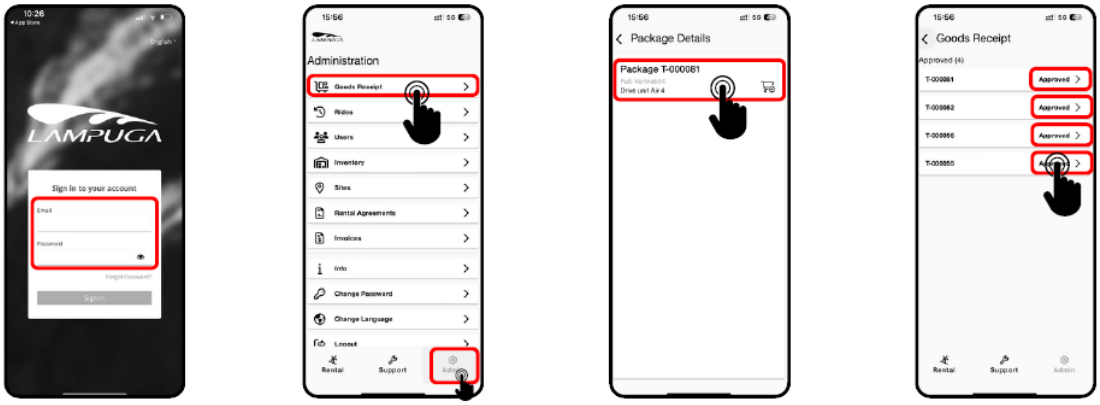
Impeller Type A

Nozzle Tool Type A

Repair Kit Inflatable Hull

For rental partners:

Check and confirm your delivery for completeness in the Lampuga Rental App:



1. Log in to the Lampuga Rental App with your access data.
2. Under the "Admin" tab, you will find the "Goods receipt" area.
3. Click on the available delivery.
4. Confirm the delivery.

NOTE

Please keep the original packaging for future transportation.

STORAGE

Store all components in a safe, dry area.

DANGER

Lithium-ion batteries can cause smoke/fire if handled improperly and especially if damaged.

- Always store e-surfboard batteries in a dry, cool place and protected from strong sunlight. (see section "Technical data".
- Avoid additional flammable materials in the immediate proximity of the storage location.
- Always store e-surfboard batteries away from inhabited areas of a building.
- Pay attention to local regulations during storage.

TRANSPORT

In the event of a return, pack the relevant components in the original packaging. If Lampuga Support decides to deliver spare parts or return them, please use the returnable packaging provided.

We recommend charging the battery to a maximum of 30% for transportation and sending it in its original packaging. This is certified as hazardous goods packaging in accordance with UN3489 (packaging code UN 4G/Y28/S/19/D/BAM 15296-WSG). The battery may only be transported with suitable load securing.

NOTE

Never transport the battery on the roof rack of a car and only in the original packaging or suitable packaging, taking load securing into account. A charge level of 30% or less is recommended for transportation.

NOTE

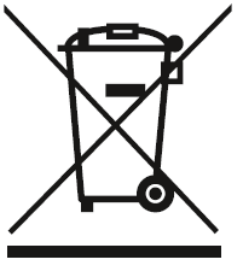
Dangerous goods such as lithium-ion batteries must be labeled accordingly.

NOTE

The packaging is not a toy. Keep away from small children. Small parts can be swallowed.

DISPOSAL

Electrical and electronic devices and batteries must not be disposed of with household waste. The consumer is legally obliged to dispose of such devices properly.

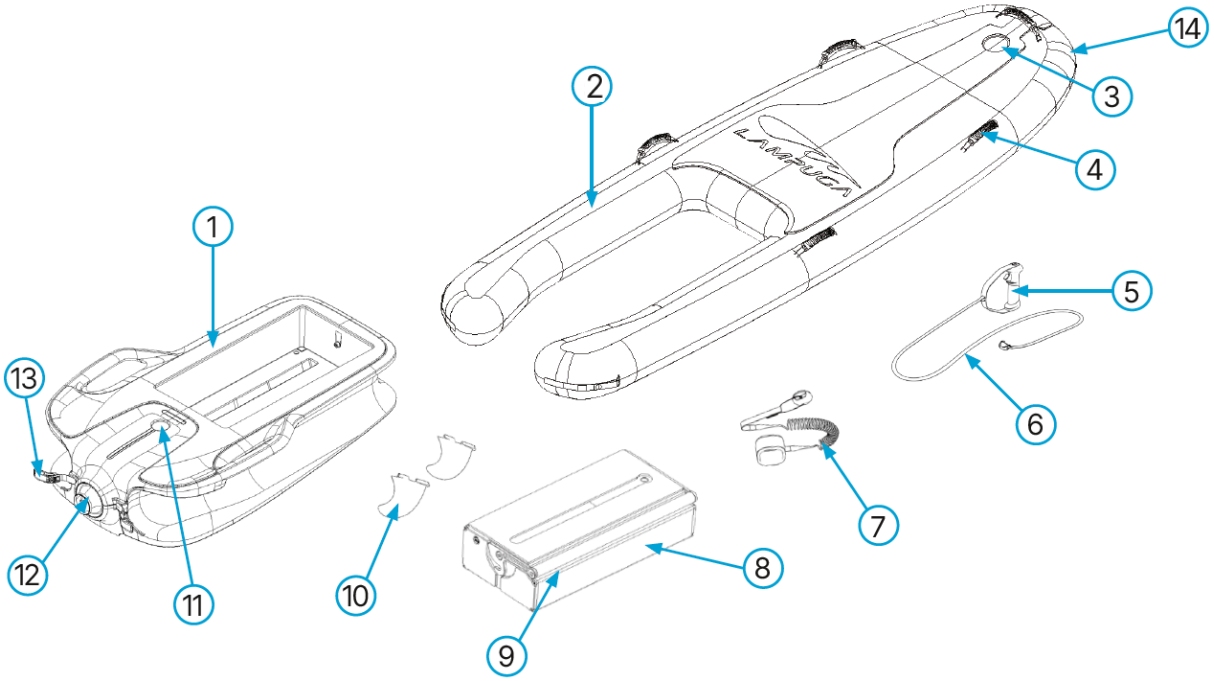


06 INSTALLATION AND COMMISSIONING

COMPONENTS

The e-surfboard consists of individual components. The power box (item 1) forms the basic body and contains the drive unit and all necessary markings. The PVC hull (item 2) is filled with air via the valve (item 3) and attached to the power box (item 1) using the clamping system (item 13). This gives the e-surfboard its final dimensions and provides buoyancy.

The battery (item 8) can be inserted into the power box (item 1) and securely locked by folding the battery handle (item 9) to the side. The lanyard (item 6) connected to the remote control (item 5) is fixed to the D-Ring (item 14) on the PVC hull (item 2). The fins (item 10) must be fitted to the power box (item 1) from below.



1. Powerbox
2. PVC hull
3. Valve
4. Handle
5. Remote control
6. Holding rope
7. Leash with kill switch magnet
8. Battery
9. Battery handle
10. Finns
11. Kill switch recording
12. Nozzle
13. Clamping system
14. D-Ring

ASSEMBLY

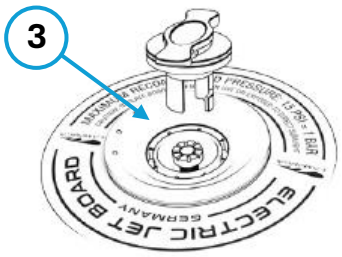
Proceed as follows to assemble the e-surfboard:

1. Check the proper condition of all components before each installation.

2. Spread out the deflated PVC hull (item 2) and open the valve cover (item 3).

NOTE

If the pin in the valve is pressed in, air can escape. In this case, turn it anticlockwise until it pops out.



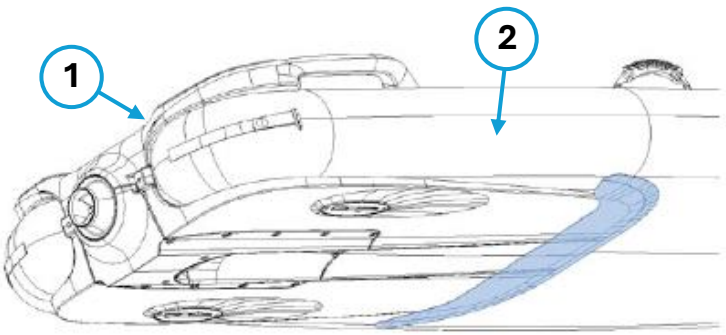
3. Connect the air pump to the valve (pos. 3) and lock it by turning it clockwise.

4. Pump up the PVC hull (item 2) slightly (approx. 20 - 25 pump strokes).

5. Push the power box (item 1) into the PVC hull (item 2) from the rear. The power box (item 1) must be positioned in the center of the recess and pushed all the way into the PVC hull (item 2).

NOTE

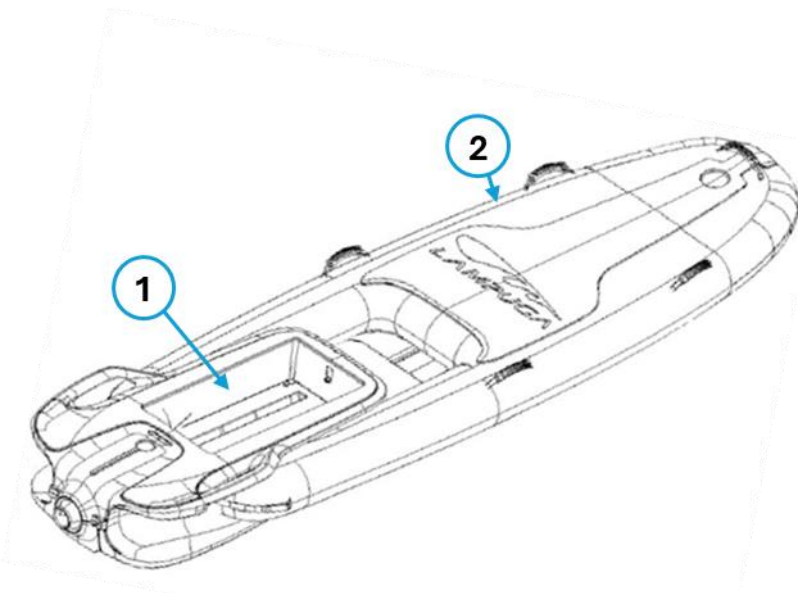
When inserting power box (item 1), make sure that the lower front edge is pushed between the PVC hull (item 2) and the overlap (shown in blue in the illustration).



NOTE

Incorrect handling of the PCV hull can result in material damage.

- Do not spread the pick-up area of the PVC hull too much, as this could cause the overlap to tear.



6. Now fully inflate the PVC hull (item 2) (1 bar = 15 psi) and close the valve cover.

7. Fix the PCV fuselage (item 2) to the power box (item 1) using the clamping system (item 13)

NOTE

When fully inflated, the PVC hull must fit snugly against the Powerbox and must not have any creases or constrictions. If the gap is too large, this will impair the handling.

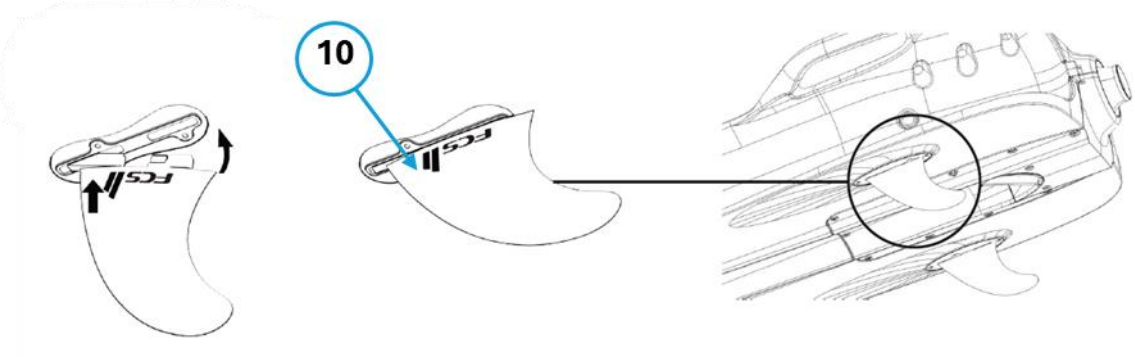
CAUTION

There is a risk of crushing when inflating the PVC hull.

- Never place your fingers between the Powerbox and the PVC hull or the tensioning system and the PVC hull. Keep children away during installation.

8. Attach the tether (item 6) including remote control (item 5) to the retaining eyelet (item 14) at the front center of the underside of the PVC hull (item 2) using the carabiner.

9. Clip the fins (item 10) into the brackets provided on the underside of the power box (item 1) (see illustration). Make sure that both are free of sand. Insert the front end of the upper edge of the fins (item 10) into the holder and push the fin (item 10) all the way in. The lettering on both fins (item 10) must be on the outside



CAUTION

Risk of injury from sharp edges.

- Use gloves when inserting and removing the fins.

NOTE

The following assembly steps should take place in the immediate proximity of the water for better handling, as the e-surfboard has a total weight of approx. 52 kg after installation of all components.

Due to the heavy weight, it is advisable to have a second person help with assembly and transportation into the water.

10. Make sure that the contact points on the power connector and the seal of the E-Surfboard and the battery are free from dirt.

CAUTION

Material damage due to moisture on the powered connector contacts.

- Keep the contacts and power connector connections dry and clean
- Only connect the battery when it is dry

11. Insert the battery (item 8) (power button in the direction of travel) into the recess in the power box (item 1). Ensure that the battery is not tilted.

12. Lock the battery (pos. 8) by folding down the battery handle (pos. 9) completely. Make sure that the blue loop on the battery handle (item 9) is pointing upwards and remains within reach).

13. The e-surfboard is now fully assembled.

NOTE

The board can become hot due to prolonged exposure to sunlight. Ensure that the surface has cooled down before use.

If the battery heats up significantly for no apparent reason (such as charging or discharging), contact Service!

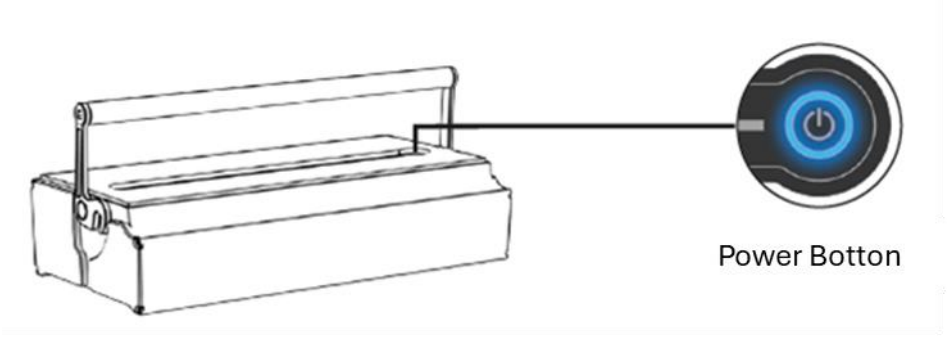
NOTE

Check that the board is in good condition by regularly visually inspecting the glued joints, seams, rivets and ratchet mechanism as well as the battery, remote control (especially the trigger), fuselage including valve, power box, charger, kill switch and charging cradle. In the event of damage or defects, do not operate the Lampuga Air and contact your nearest service center.

CHARGING

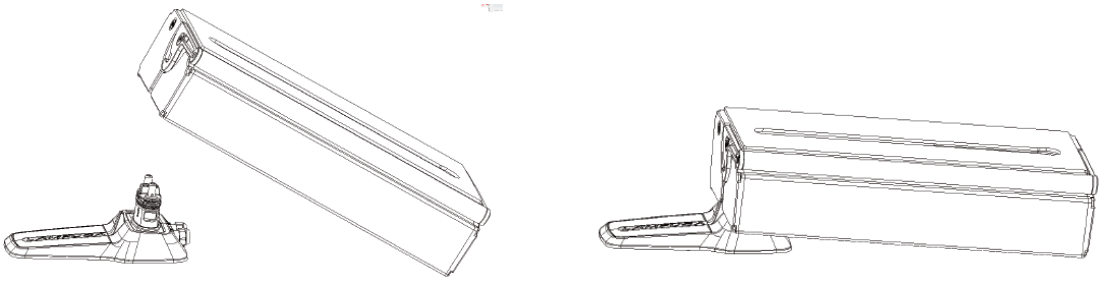
Charging the battery

Both the E-Sufboard and the remote control contain a lithium-ion battery. These must be charged before use and discharge during operation. You can see the charge status of the e-surfboard battery from the charge status indicator on the top of the battery when it is switched on. If the battery is switched off, you can switch on the charge indicator by pressing the power button (see illustration).



To charge the battery, proceed as follows:

1. Carefully place the battery on the charging cradle (see illustration).



2. Connect the charger to the mains voltage.

⚠	**NOTE**
To ensure a smooth charging process, do not turn off the battery using the power button during charging.	

3. Switch on the battery by pressing the power button.

The charging process starts automatically (after 1 minute at the latest).

- An LED running light with a white illuminated power button signals the search for a plugged-in device (charger or board)
- A continuous green light on the power button indicates that a charger is connected
- The active charging process is signaled by the flashing LED bar.
- The charging process is complete as soon as the 100% LED lights up continuously.

4. Disconnect the charger from the mains voltage.
5. Remove the battery from the charging cradle.

NOTE

The charging process is temporarily interrupted for safety reasons as soon as the battery temperature exceeds a limit value. This can occur if the battery is charged directly after use. If the cooling process takes longer than 20 minutes, the battery switches off automatically.

NOTE

During the charging process, all of the battery's safety mechanisms are active. If an error occurs, this is signaled by a red LED on the power button.

CAUTION

There is a risk of crushing when inserting the battery into the charging cradle. Ensure that there are no hands or fingers between the battery and the charging cradle. Keep children away.

The battery may only be engaged by one person (risk of jamming).

CAUTION

Material damage due to improper handling of the charger.

- Only use the charger provided by Lampuga for charging.
- Do not short-circuit the battery
- Only use the battery for its intended purpose
- Never charge the battery in direct sunlight
- Keep the contacts and power connector connections dry and clean
- Only connect the battery when it is dry
- Do not charge the battery unattended.

DANGER

Damage to property and personal injury due to improper handling of the battery.

- Do not immerse the battery under water.
- Do not expose the battery to direct sunlight unnecessarily.
- Do not use a damaged battery.
- Avoid additional flammable materials in the immediate vicinity of the battery during the charging process.
- Always charge e-surfboard batteries outside inhabited areas of a building.

Charging the remote control

The remote control battery lasts for approx. 20 hours in active mode and therefore does not need to be charged before every use. If the remote control reaches a low charge level, the remote control LED flashes red for 5 seconds after switching on. The remote control should then be charged immediately. If the remote control cannot be switched on by pressing the trigger, this may be due to the charge level being too low. The current charge level can be found in the Lampuga Rental app.

To charge the remote control, proceed as follows:

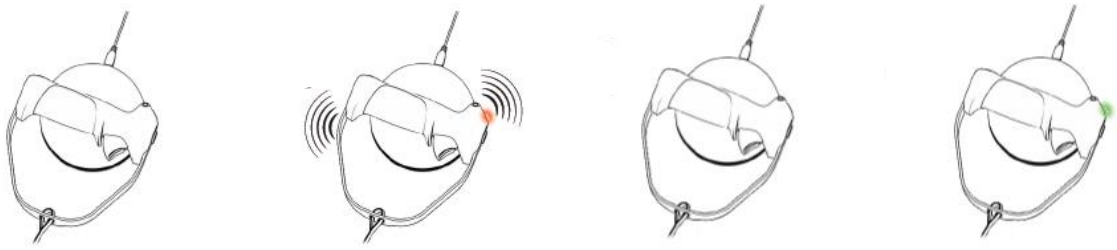
1. Connect the QI charging station to a USB charger (5 V, 2 A) using the USB cable supplied. The LED on the charging station briefly lights up blue and red.

2. Place the remote control on the charging station. Make sure it is correctly aligned (see illustration).

3. When the remote control is in the correct position, it vibrates and the charging process begins. The LED on the remote control lights up red. The LED on the QI charging station lights up red.

   If the LED lights up green, the remote control is already charged.

4. When the charging process is complete, the LED on the remote control flashes green. After a certain time, the remote control switches off automatically.



NOTE

You can recognize the current charge level by the duration of the red flashing LED. A short flash indicates a low charge level, a long flash indicates a high charge level. When the maximum charge level is reached, the remote control switches off automatically and the charging process ends.

If the temperature is too high, the charging process is interrupted and the LED goes out. Restart the charging process as soon as the remote control has cooled down.

BOOK RIDE IN APP

To book a trip via the Lampuga Rental App, proceed as follows:

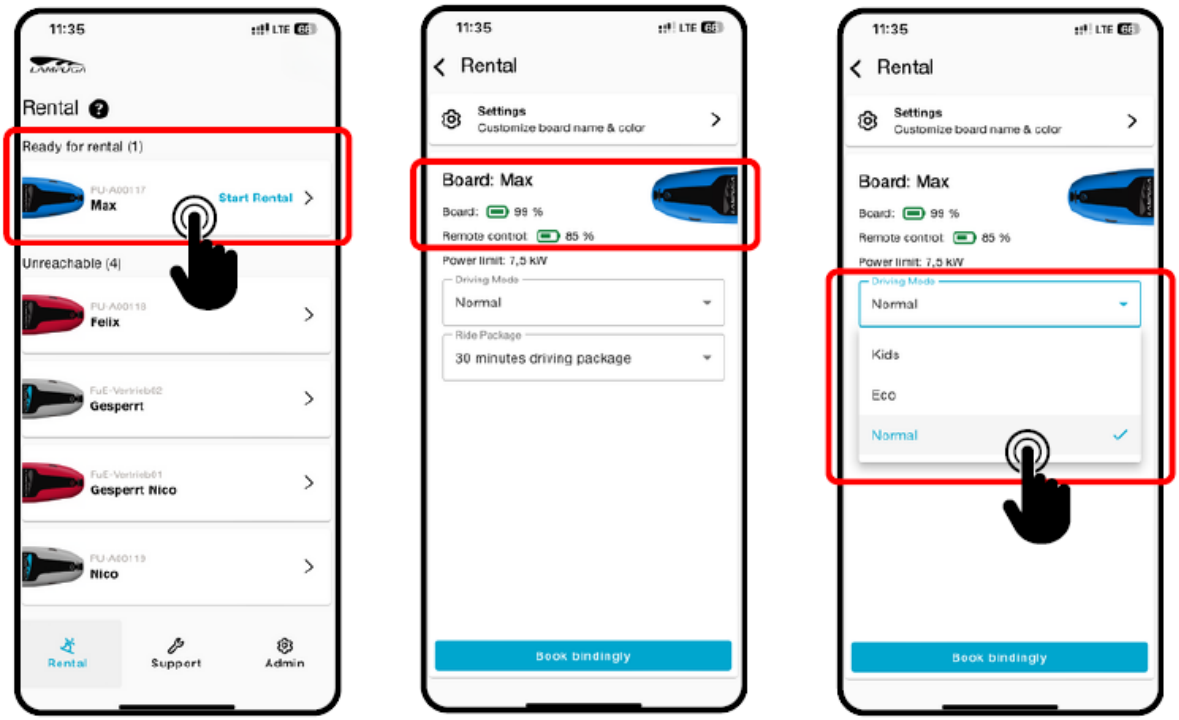
1. Switch on the e-surfboard and remote control.
   (The e-surfboard is now displayed in the Lampuga Rental App).

2. If necessary, pair the remote control.
   (see section "Commissioning").

3. Select the corresponding e-surfboard in the Lampuga Rental App by tapping on it.

4. Check the charge level of the battery and the remote control.

5. Select the desired driving mode (kids, eco, normal, sport).

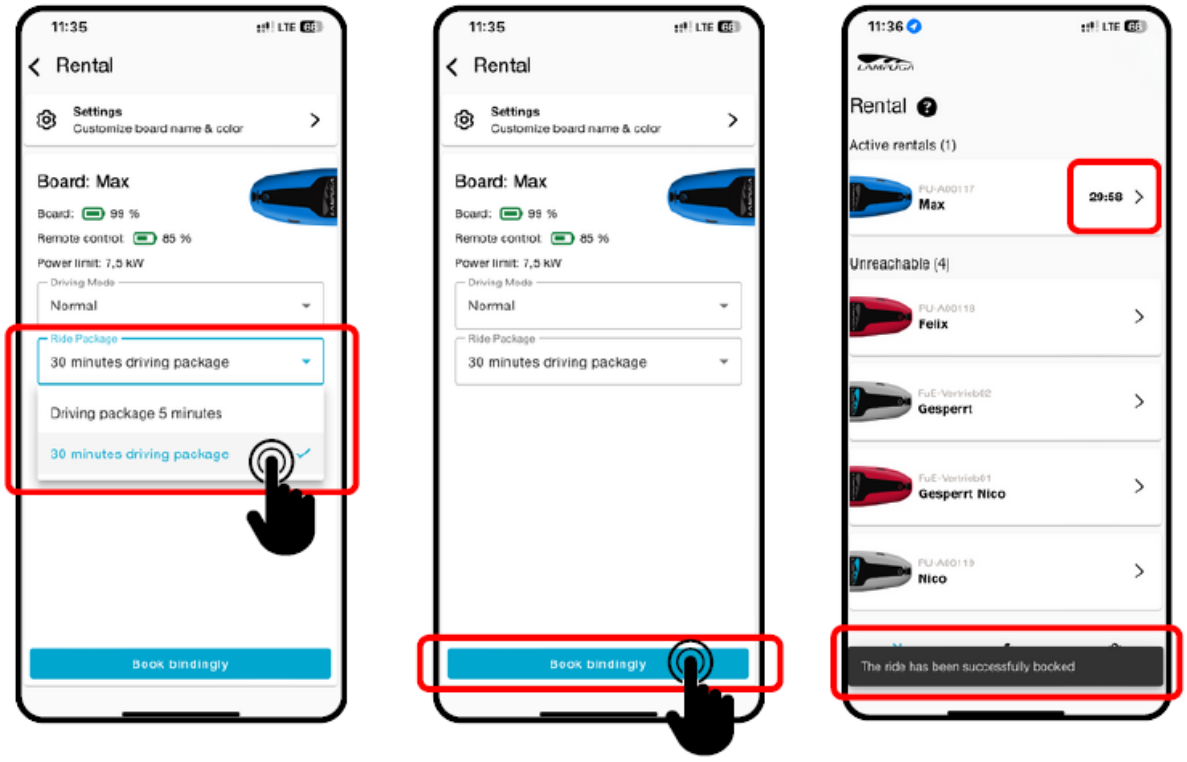


6. Select the appropriate package.

7. Confirm the booking.

NOTE
As soon as you confirm the booking, the time runs out. Make sure that the user is ready and has received sufficient instruction on how to use the e-surfboard.

8. Maintain an overview of current bookings.

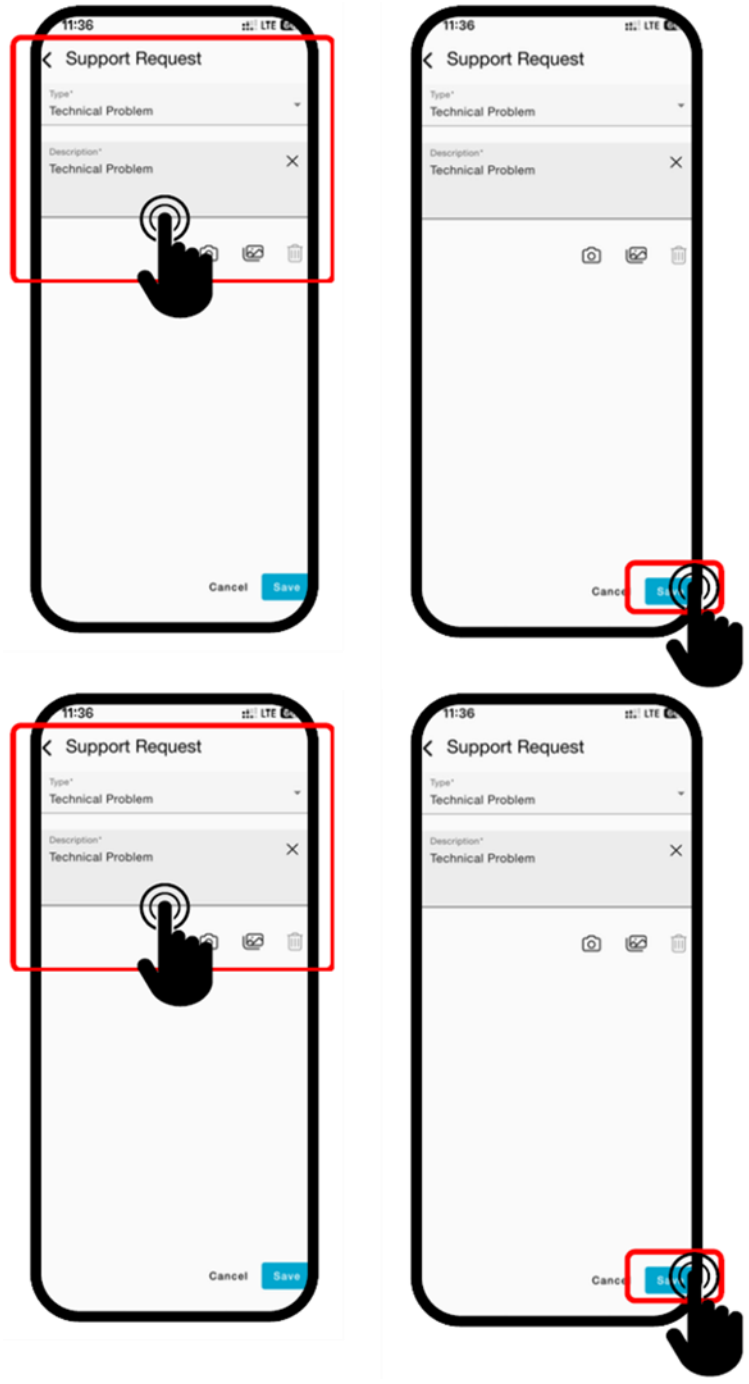


NOTE

If the trip is stopped early, you can cancel a booking. Please note that every cancellation automatically opens a support request, which will be checked by Lampuga Support.

To cancel a trip via the Lampuga Rental App, proceed as follows:

1. Tap on "Cancel journey" in the corresponding booking.
2. Agree to a support request.
3. Describe the reason for your cancellation.
4. Send off the cancellation.



07 OPERATION AND DRIVING

FUNCTIONAL DESCRIPTION

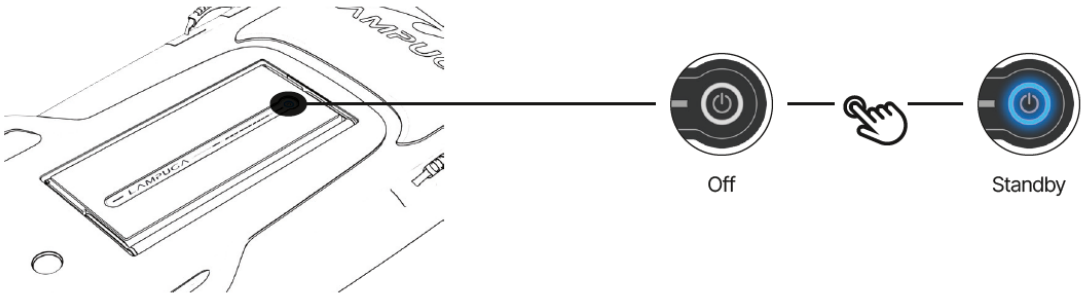
The Lampuga AIR e-surfboard is a water sports device that is powered by an electric motor. Water is sucked in at the bottom of the e-surfboard and expelled backwards through a nozzle. The thrust or speed of the so-called water jet drive can be seamlessly adjusted by the remote control. Changes in direction are made by shifting weight on the e-surfboard. In the event of a fall, the kill switch magnet is disconnected from the e-surfboard and the e-surfboard switches to standby mode.

COMMISSIONING

To commission the e-surfboard, proceed as follows:

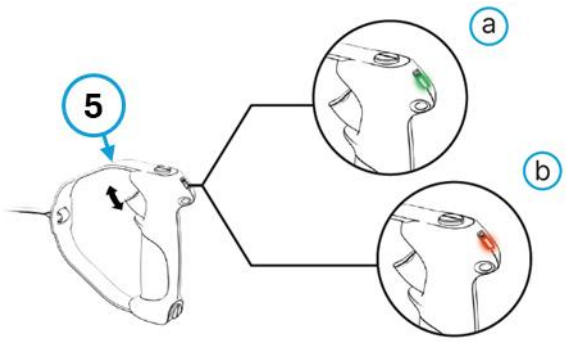
1. Place the e-surfboard in the water and position yourself next to it.

2. Press the power button.
   As soon as the power button lights up blue continuously, the e-surfboard is in standby mode.



3. Switch on the remote control (pos. 5) by pressing the trigger.

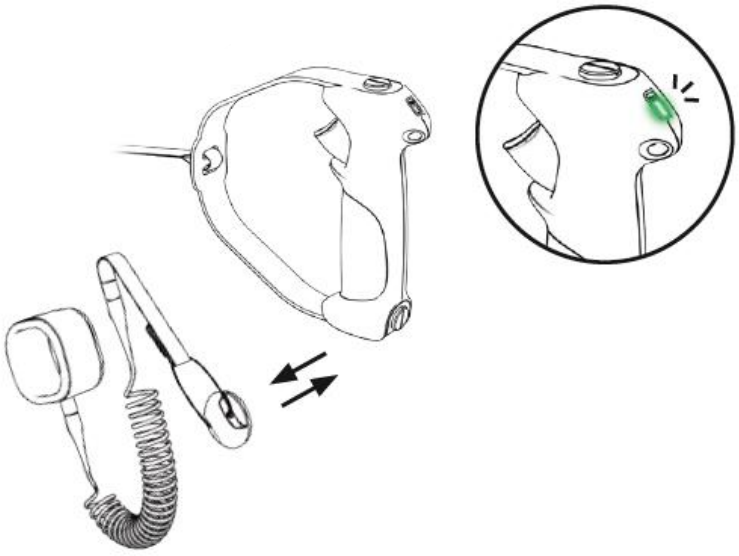
   - If the LED lights up green, the remote control is already paired with the e-surfboard (a).
   - If the LED lights up red, the remote control must be paired with the e-surfboard (b).



Pairing

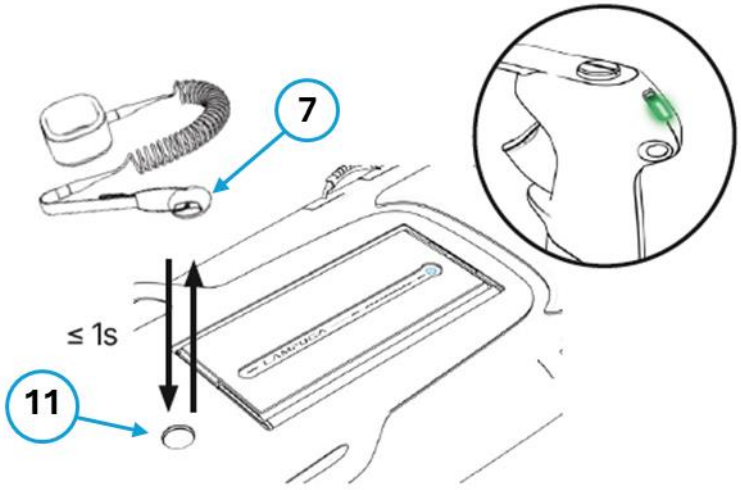
4. Make sure that the e-surfboard is in standby mode (power button lights up blue continuously).

5. Hold the kill switch magnet (pos. 7) against the underside of the remote control for one second (see illustration). The LED on the remote control now flashes green.



6. Then hold the kill switch magnet in the kill switch holder (item 11) on the power box (item 1) for one second and remove it again immediately (min. distance 30 cm). The remote control (item 5) will now automatically connect to the e-surfboard.

   After successful pairing, the LED on the remote control lights up green.

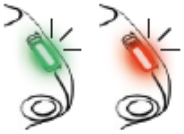


The LED on the remote control indicates the following:

LED lights up red:
The e-surfboard and remote control are not paired.

LED lights up green:
The e-surfboard and remote control are paired.

LED flashes green:
The remote control is in pairing mode.



LED flashes red, green:
The e-surfboard is in the throttle.

LED flashes red:
The remote control is charging (on the QI charging station)
The remote control battery is almost empty (in operation)

RIDING

To ride the e-surfboard, proceed as follows:

1. Check the e-surfboard for correct assembly and any damage.

> **WARNING**
>
> Risk of injury due to damage.
>
> - If the e-surfboard is damaged, do not use it and contact Lampuga Support.

2. Check the charge level of the battery and the remote control.

3. Switch the e-surfboard to standby mode
   (To do this, press the power button).

4. Wait until the running light goes out and the power button lights up blue

5. Carry out the pairing process (if necessary).

6. Book a ride package via the Lampuga Rental App.

7. Attach the kill switch leash to your ankle.

8. Position yourself in the middle of the e-surfboard.

9. Hold the remote control loosely in your hand.

10. Place the kill switch magnet in the holder provided (pos. 11).

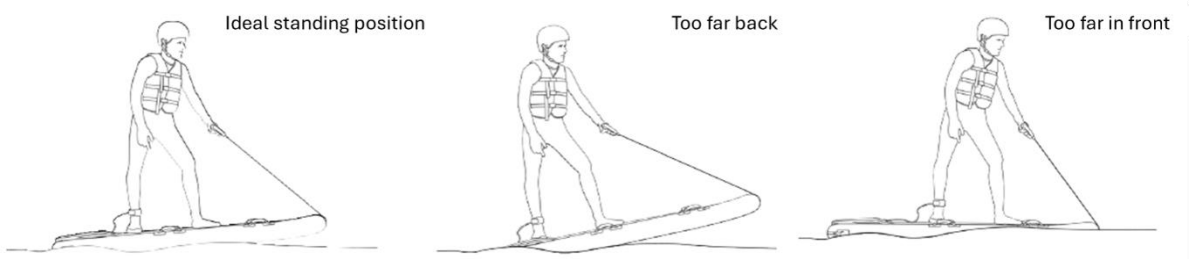
11. Press the power button again.
    (Power button now flashes green 3 times - drive mode activated).

> **NOTE**
>
> To switch off the battery, pull the kill switch magnet and press the power button for at least 2 seconds

12. Carefully press the trigger on the remote control.

13. Have fun driving!

Assume a position of your choice. You can use the e-surfboard lying down, sitting, kneeling or standing. Pay attention to your balance and consider the risk of a possible fall



NOTE

When using the board with two people (large hull), only ride kneeling, sitting or lying down.

NOTE

Especially as a beginner, you should make sure that you are standing centrally and not too far back on the e-surfboard. Always wear the kill switch on your ankle. Check the leash-kill switch-magnet connection before use and replace it if necessary. Do not perform any careless actions while riding. Always familiarize yourself with the jetboard before riding. There is a risk of falling forward due to the braking process.

NOTE

Explore the water extensively before traveling at high speeds. Practice first in waist-deep water without a current.

NOTE

Material damage due to improper use.

- Observe the instructions listed in the Dangers section.
- Always pay attention to unusual vibrations or noise changes on the drive and stop driving if necessary.
- If there is a sudden loss of power, stop riding, remove the battery on land and check the condition of the e-surfboard.
- Never use the lanyard and the wrist cuff at the same time.

NOTE

When driving over waves, a high impact load can occur, which can have an effect on the musculoskeletal system. If you have spinal or joint problems or wear prostheses, consult a doctor before use.

Carefully press the trigger on the remote control. The further you press the trigger, the more thrust the e-surfboard generates.

You can steer the e-surfboard by shifting your weight.

The e-surfboard does not have an active brake. As soon as you do not activate the trigger, the e-surfboard brakes due to the water resistance.

CAUTION

Risk of injury due to uncontrolled falling.

- Ride adapted to the external conditions and according to your riding skills.
- If a fall is unavoidable, jump to the side or towards the rear of the e-surfboard. The e-surfboard automatically switches to standby mode.
- Wear appropriate protective equipment.
- Release the remote control in the event of a fall.

In the event of a fall, the kill switch magnet is disconnected from the e-surfboard and the e-surfboard automatically switches to standby mode. To continue the ride, proceed as follows:

1. If the e-surfboard has capsized, position yourself in the middle and grab an opposite strap via the air hull. Pull the e-surfboard towards you with momentum and tilt it to the desired position.
2. Get back on the e-surfboard.
3. Place the kill switch magnet in the holder provided.
4. Press the power button.
   (Power button flashes green and then continuously - drive mode activated).
5. You can continue your journey.

WARNING

Risk of injury due to unintentional restart.

- Only put the kill switch magnet back on the corresponding holder (Pos. 11) and press the power button as soon as you are back on the e-surfboard.

Make sure that no one is behind the jetboard at any time while it is unlocked.

Once the booked ride package has expired or a low charge level has been reached, the e-surfboard switches to throttle mode. In this case, return to the shore immediately.

NOTE

Make sure that the fins are not damaged.

NOTE

When towing with a towing device, a sufficiently large distance from the towing vehicle must be maintained. In addition, a speed appropriate to the surrounding conditions must be maintained.

Only drive kneeling, sitting or lying down during towing maneuvers.

AFTER THE RIDE

To decommission the e-surfboard, proceed as follows:

1. Bring the e-surfboard ashore.
2. Check the components for damage.

NOTE

If damage is identified, please contact Lampuga Support.

3. Unlock the battery by pulling the battery handle upwards using the blue tab.
4. Remove the battery as carefully as possible without tilting it.
5. Place the battery on a flat, clean and dry surface to cool down.
6. Clean all components thoroughly with fresh water.

CAUTION

Material damage due to moisture on the plug contacts.

- Make sure that the plug contacts are dry before using them again

The plug contacts may be hot.

7. Remove the fins. To do this, push the rear end of the fin forwards until it releases from the holder.

CAUTION

Risk of injury from sharp edges.

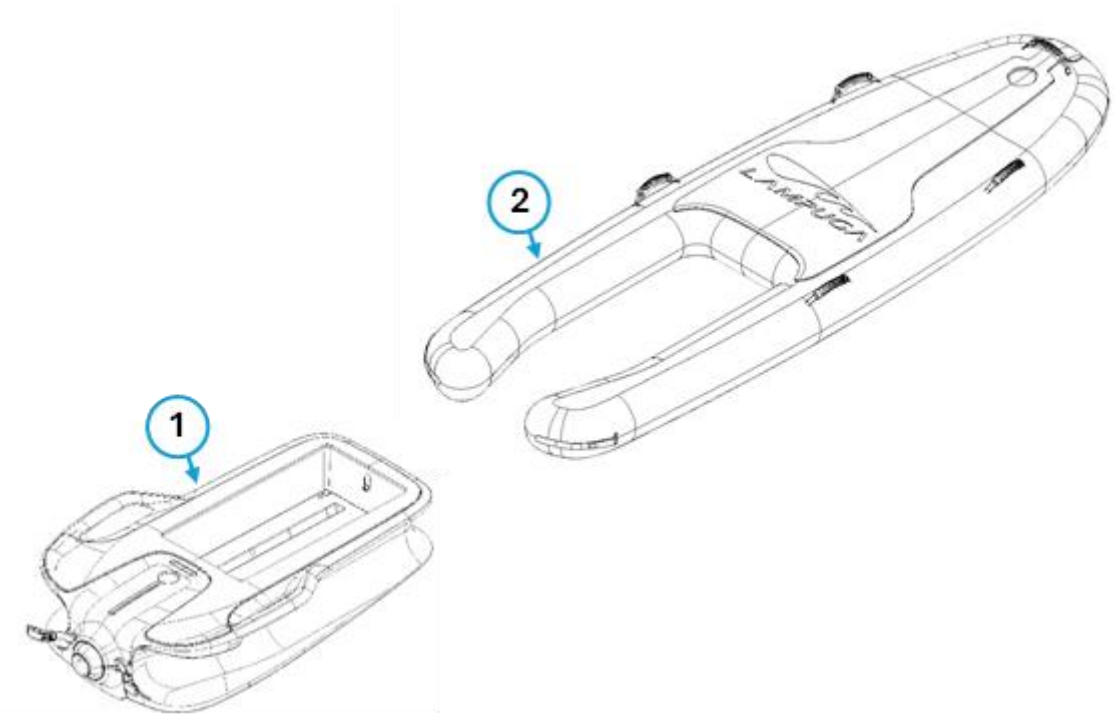
- Use gloves when inserting and removing the fins.

Release the air from the PVC hull by removing the valve cover and pressing in the valve button. The valve button can be locked in the pressed-in position by turning it clockwise.

8. Release the tensioning system by pressing the ratchet and lever together. The connection is released and the toothed belt can be pulled out of the ratchet.

9. Remove the retaining rope from the PVC hull by opening the carabiner.

10. Pull the power box (item 1) backwards out of the PVC hull (item 2).



11. Store the components in accordance with the specifications.

08 MAINTENANCE AND REPAIRS

CARE INSTRUCTIONS

NOTE

Clean all components regularly (after every ride) with fresh water. Never clean the board or its components or accessories with high-pressure jets or cleaning agents containing acids or solvents.

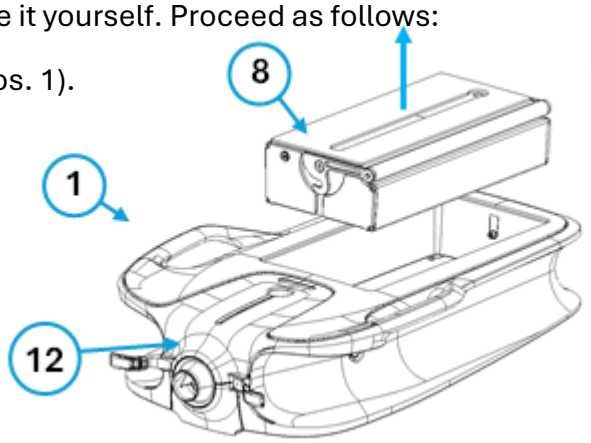
DANGER

Remove the battery from the e-surfboard before every cleaning, malfunction, maintenance and repair!

NOZZLES CHANGE

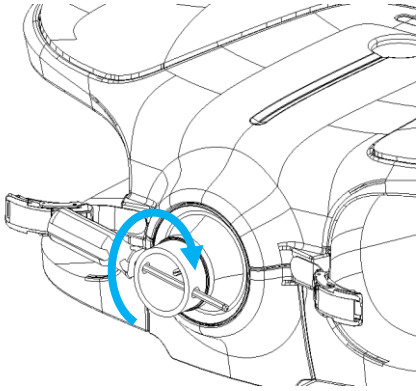
If the nozzle (pos. 12) is damaged, you can replace it yourself. Proceed as follows:

1. Remove the battery from the power box (pos. 1).



2. Take the nozzle tool and place it on the nozzle.

3. For example, insert a sturdy screwdriver through the cross holes of the nozzle tool and turn the nozzle tool and nozzle clockwise to remove the nozzle.



4. Clean the thread of the drive unit.

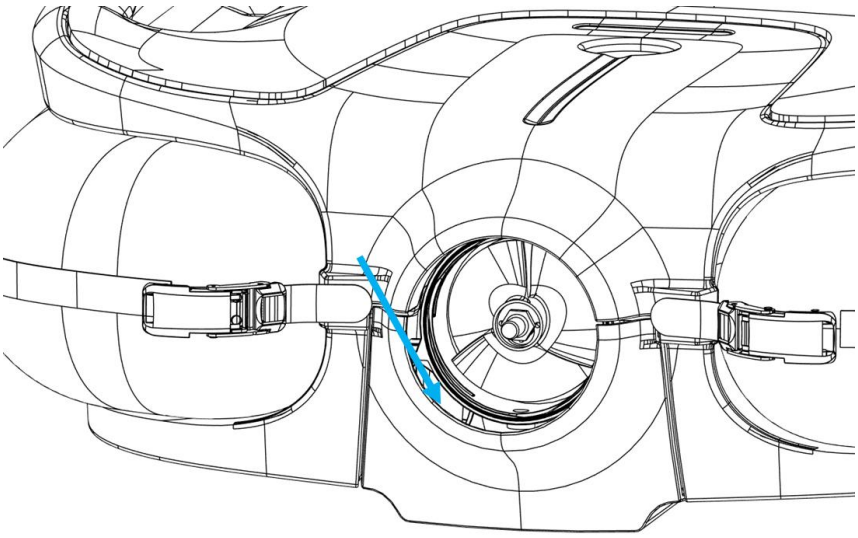
5. Screw the new nozzle counterclockwise into the drive unit.

CLEANING THE COOLING SYSTEM

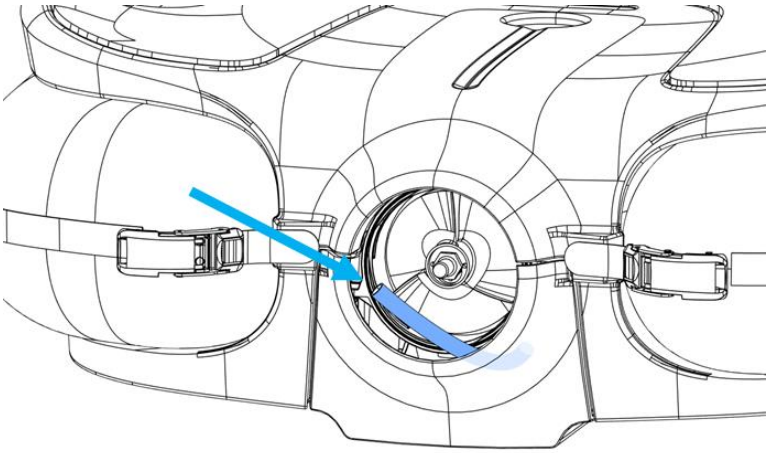
The cooling system must be cleaned after use in salt water and as part of regular maintenance. To do this, proceed as follows:

1. Disassemble the nozzle. (see section on changing the nozzle)

2. Grasp the open end of the hose that lies between the jet pipe and the housing and carefully pull it out of the space between the two.



3. Flush the cooling system with at least 1 liter of fresh water (e.g. using a garden hose). To ensure that the cooling system is flushed, check whether water is flowing out of the hole directly below the impeller. If your cooling system is clogged and cannot be cleared by cleaning, contact Lampuga Support.



IMPELLER CHANGE

DANGER
Do not reach into the intake duct while the battery is inserted. Do not insert any objects into the suction channel / impeller. Tie up long hair.

In the event of a broken impeller, proceed as follows:

1. Remove the battery (pos. 8) from the power box (pos. 1).

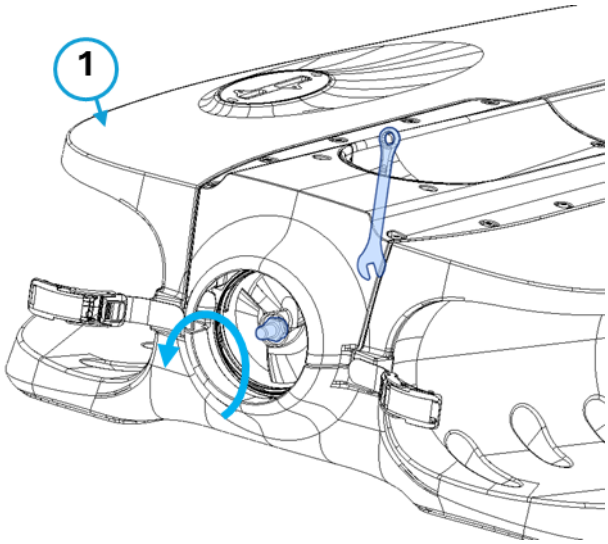
2. Position the power box (item 1) or the e-surfboard upside down on a stable and clean surface.

3. Unscrew the nozzle (pos. 12).

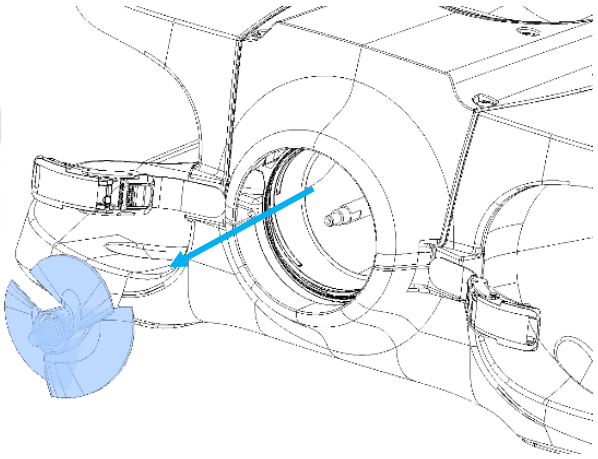
4. Take a ½-inch ratchet with a 16 mm socket wrench and a 10 mm open-end wrench 10 mm open-end wrench to hold the drive shaft in place.

5. Insert the open-end wrench through the intake opening onto the wrench flat of the drive shaft.

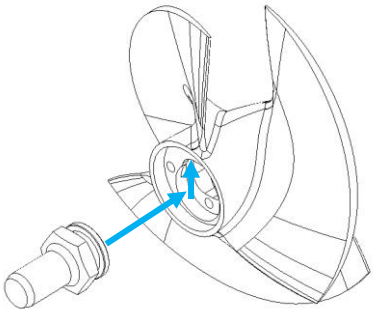
6. Loosen the impeller nut by turning it counterclockwise. Ensure that the torque is countered with the open-end wrench.



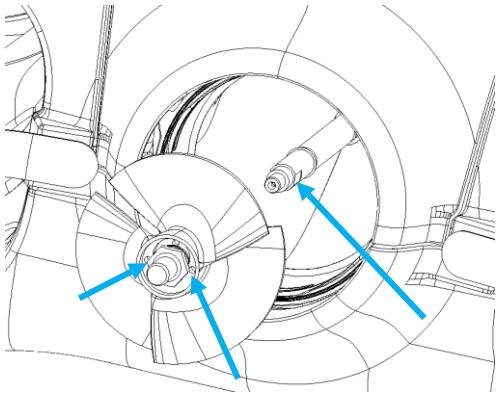
7. Pull off the impeller together with the impeller nut. Some force may be required to do this. Protect your hand with suitable gloves



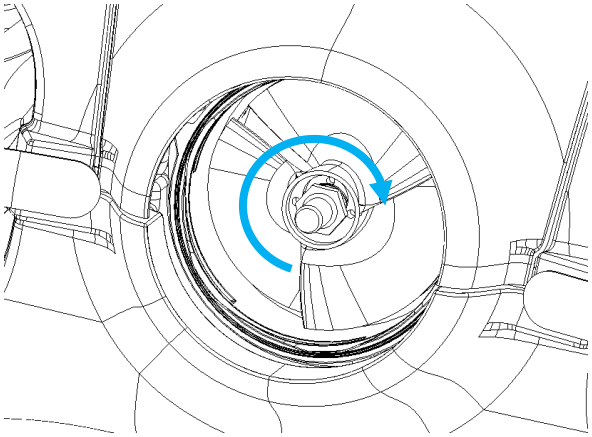
8. Insert the impeller nut into the new impeller



9. Carefully push the impeller together with the impeller nut onto the drive shaft. Make sure that the two holes on the impeller are in line with the wrench flat on the drive shaft.



10. Turn the impeller nut clockwise to tighten the impeller. Use a torque wrench with a torque of 17 Nm and counter with an open-end wrench.

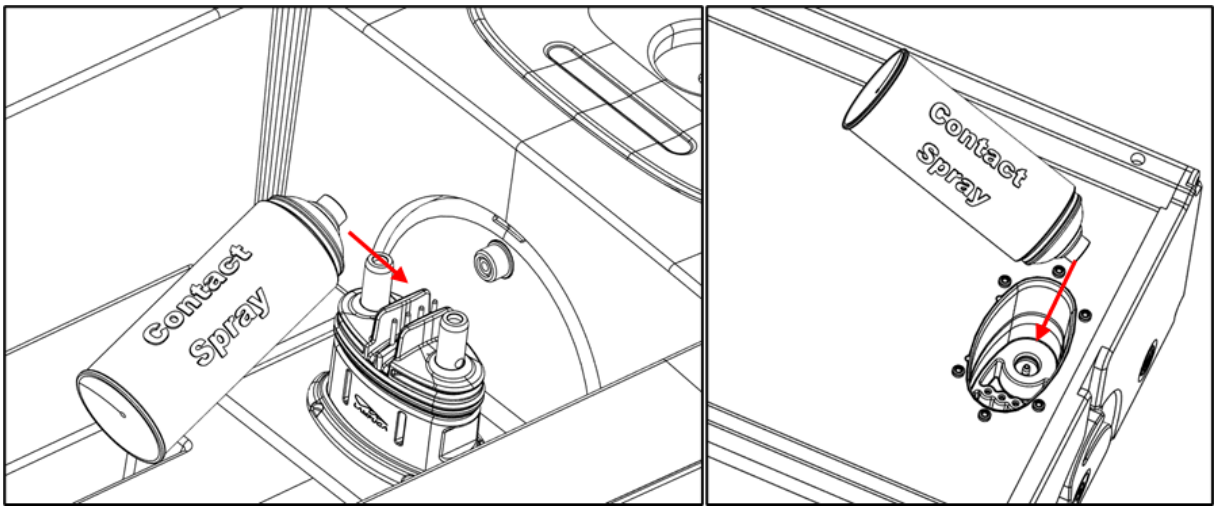


11. Reinstall the nozzle.

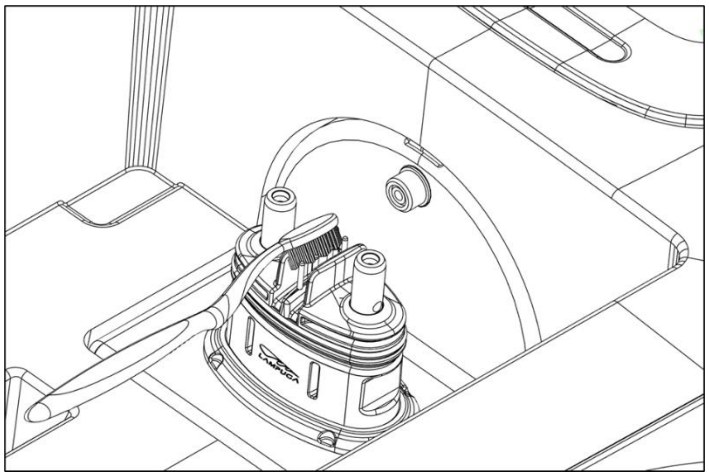
CLEANING THE POWER CONNECTOR

If the power connector is contaminated with sand or salt residue, for example, it must be cleaned. Proceed as follows:

1. Have the necessary cleaning equipment ready, consisting of a water bottle (optional), Lampuga contact spray and toothbrush
2. Place the board and the battery on a clean surface
3. If it is very dirty, first rinse the power connector of the board or the battery with fresh water. If necessary, use a toothbrush to loosen the dirt
4. For light soiling and deposits on the contacts, spray them with short bursts of the contact spray provided by Lampuga.



5. Also clean the surfboard contacts with a toothbrush.



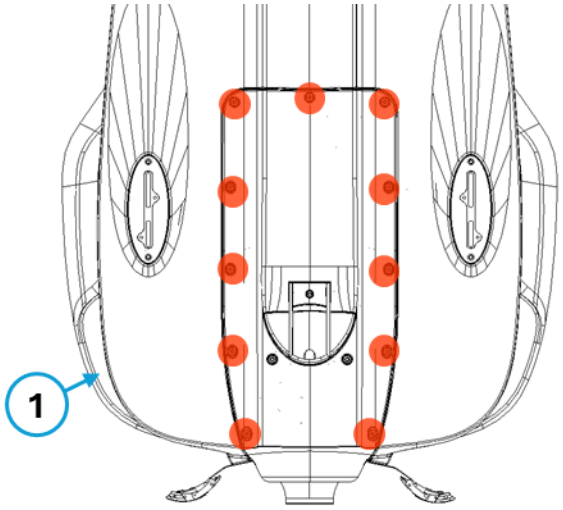
6. Finally, lightly spray the contacts again to protect them against moisture

CHANGE DRIVE UNIT

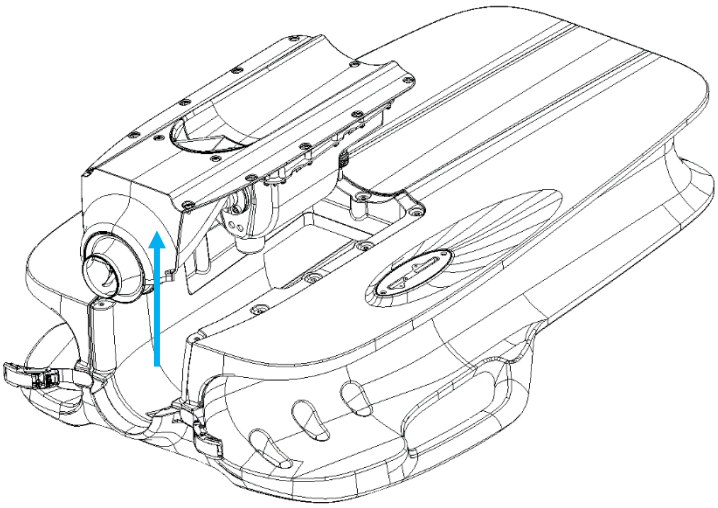
If Lampuga Support has ordered the drive unit to be replaced, proceed as follows:

1. Position the power box (item 1) or the e-surfboard upside down on a stable and clean surface.

2. Loosen all 11 hexagon socket screws using the 3 mm hexagon key (included in the replacement delivery).



3. Remove the drive unit from the power box (pos. 1).

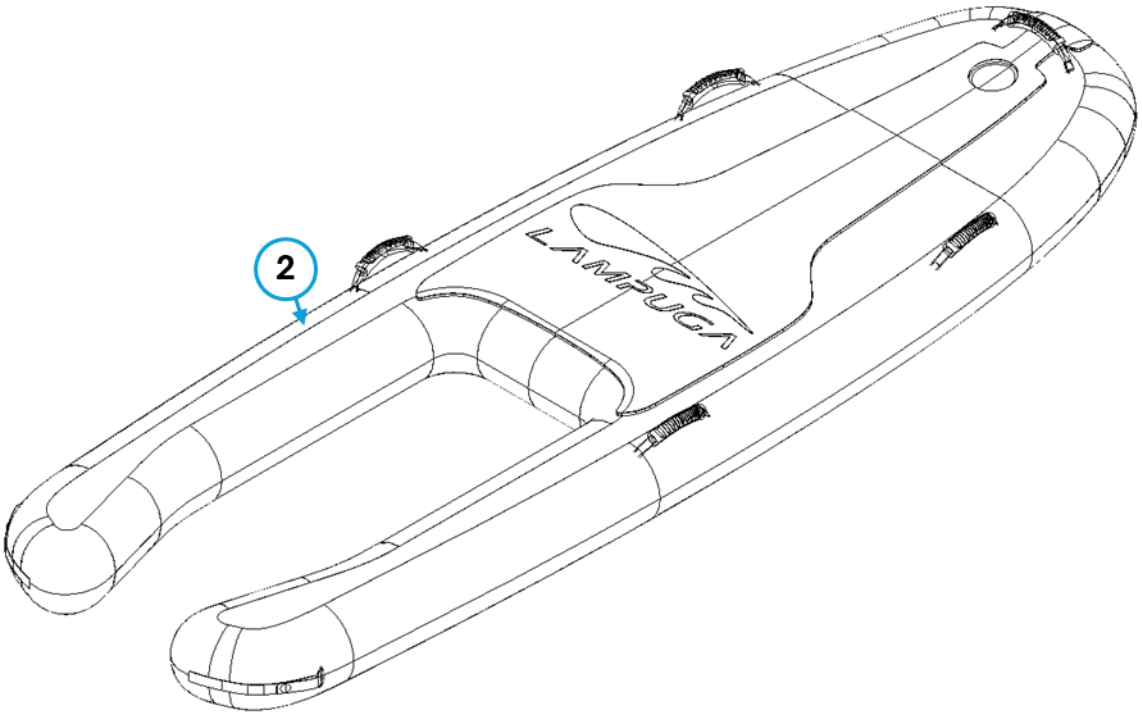


4. Place the replacement drive unit in the Powerbox.

5. Fasten the replacement drive unit with the new hexagon socket screws supplied. Use the supplied torque wrench (2.2 Nm) for this.

PVC – HULL REPAIR

If the PVC hull (item 2) loses air, proceed as follows:



1. Identify the leakage point.
2. Clean and dry the leak.
3. Roughen the leak using sandpaper and clean it again.
4. Cut an appropriately sized PVC patch from the repair kit.
5. Apply glue around the leaking point and on the PVC patch. Allow the adhesive to flash off for 5-10 minutes.
6. Press the PVC patch onto the leak with as much force as possible (contact adhesive). Additional Heating of the repair area could help for a better bond.

09 FAULTS

If faults cannot be rectified by the following measures, please contact Lampuga Support.

⚠ DANGER
Remove the battery from the e-surfboard before every cleaning, malfunction, maintenance and repair!

Possible cause	Action
Power button lights up red	
Malfunction of the battery	Restarting the e-surfboard
Overheating of the battery	Allow the battery to cool down
Very low battery charge level	Contact Lampuga Support
Malfunction of the drive	Contact Lampuga Support
Battery does not charge	
Battery is already fully charged	Check the charge level (press the power button)
Power connector is contaminated	Clean the power connector
Power button lights up red	Contact Lampuga Support
Remote control cannot be switched on	
Remote control charge level too low (deep discharge)	Charge the remote control (the LED only lights up after some time on the QI charging station)
Remote control malfunction	Contact Lampuga Support
Remote control does not charge	
Remote control is already fully charged	Check charge level (in Lampuga Rental App - pairing with e-surfboard required)
Remote control is not positioned correctly on the QI charging station	Check the position of the remote control
LED on the remote control lights up red	
Remote control not paired with the e-surfboard	Check whether the e-surfboard is switched on. Carry out the pairing process.
Power button lights up green, remote control LED lights up red, e-surfboard does not respond to trigger activation	
Remote control was not paired with the e-surfboard	Carry out the pairing process
Connection between remote control and e-surfboard is faulty	Bring the remote control closer to the e-surfboard
Malfunction of the drive	Restarting the e-surfboard
Power button lights up green, remote control LED lights up green, e-surfboard does not respond to trigger activation	
Several e-surfboards in operation at the same time	Check whether you are using the appropriately paired remote control

Malfunction of the drive	Restarting the e-surfboard
Power button lights up blue, after pressing the power button the color does not change to green	
Kill switch magnet not applied	Place the kill switch magnet in the holder provided for it
Malfunction of the drive	Restarting the e-surfboard
E-surfboard has power loss	
Low battery charge level	Throttled mode, charge battery
Foreign bodies (e.g. algae) on the impeller	Paddle ashore, remove battery, remove foreign objects
Impeller damaged	Replace impeller
Nozzle damaged	Replace nozzle
Increased battery temperature	Allow the battery to cool down
Increased drive temperature	Allow the e-surfboard to cool down. Check the cooling system for blockages.
E-surfboard vibrates, makes atypical noises	
Foreign bodies (e.g. algae) on the impeller	Paddle ashore, remove battery, remove foreign objects
Impeller damaged	Replace impeller
Nozzle damaged	Replace nozzle
E-surfboard pulls in one direction while riding	
Finn lost	Check the fins
PVC hull not clamped in the middle	Loosen the tensioning system (on land) and refit the PVC hull.
Strong wind, current	External disruptive factors

10 DECLARATION OF CONFORMITY

EU Declaration of Conformity

For the combination of the following products

Name: **Lampuga Air**	Year: **2024 – 20xx**	S/N: **PU-xxxxxx**	WIN: **DE-LAMxxxxxxxxx**
Name: **Lampuga Remote Control**	Year: **2021 – 20xx**	S/N: **RCxxxxxxx**	

is hereby declared, to comply with the essential requirements of the following European Union directives:

DIRECTIVE 2013/53/EU	**Recreational craft and personal watercraft**
DIRECTIVE 2014/53/EU	**Radio equipment directive**
DIRECTIVE 2011/65/EU	**RoHS-directive**

The fulfilment of these guidelines was ensured by demonstrating compliance with the following technical standards and regulations:

Construction & safety	DIN EN ISO 6185-2:2001 DIN EN ISO 8666:2020 DIN EN ISO 10087:2019 DIN EN ISO 15084:2003 DIN EN ISO 10240:2022 DIN EN IEC 62368-1 VDE 0868-1
Noise emission	DIN EN ISO 14509-1:2019-11
Radio frequency spectrum	EN 300 328 V2.2.2:2019-07
EMC & EMF	EN 301 489-1 V2.1.1:2017-02 EN 301 489-17 V3.2.4:2020-09 DIN EN 55012:2007(/A1:2019) EN 60945:2002 EN IEC 62311:2020
RoHS	EN IEC 63000:2018

This declaration is issued under the responsibility of the manufacturer

Lampuga GmbH, Werkstrasse 11, 76437 Rastatt, Germany

submitted by the authorised representatives in accordance with the applicable EU-directives:

Surname, first name:	Weisenburger, Nicolai	Grau, Andreas
Position in manufacturer's organisation:	Managing Director	Managing Director

Rastatt, May 16, 2024

City, date — Legally valid signatures

EU Declaration of Conformity

CE

LAMPUGA

For the following product

Name: **Charging-Unit** Year: **2024 – 20xx** S/N: **CU-xxxxxx**

is hereby declared, to comply with the essential requirements of the following European Union directives:

DIRECTIVE 2014/35/EU	**Low voltage directive**
DIRECTIVE 2014/30/EU	**EMC-directive**
DIRECTIVE 2011/65/EU	**RoHS-directive**

The fulfilment of these guidelines was ensured by demonstrating compliance with the following technical standards and regulations:

Safety	DIN EN 60335-1:2012+A1+A2 DIN EN 60335-2-29:2021+A1
EMC	DIN EN 55014-1:2021 DIN EN 55014-:2021 DIN EN 61000-3-2:2019+A1 DIN EN 61000-3-3:2013+A1+A2
RoHS	EN IEC 63000:2018

This declaration is issued under the responsibility of the manufacturer

Lampuga GmbH, Werkstrasse 11, 76437 Rastatt, Germany

submitted by the authorised representatives in accordance with the applicable EU-directives:

Surname, first name:	Weisenburger, Nicolai	Grau, Andreas
Position in manufacturer's organisation:	Managing Director	Managing Director

Rastatt, May 16, 2024

City, date — Legally valid signatures

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