



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 transport.

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



<https://lampuga.com/de/support>



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01 INTRODUCTION

OPERATING MANUAL

This operating manual is the basis for all use of the Lampuga Air e-surfboard. It contains all 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 impair the safety characteristics of the e-surfboard are not permitted! Lampuga GmbH cannot be held responsible for such modifications!

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

Improper handling can lead to damage to 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.

This operating manual applies to 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.


	Deutsch
	Français
	English
	Español
	Italiano
	Ελληνικά
	Hrvatski





<https://lampuga.com/de/support>


SYMBOL EXPLANATION

Safety instructions are labelled with 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 ignored, could result in serious injury or death.	

LIABILITY LIMITATION

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 resulting from the use of this product:

- Non-compliance with the operating instructions
- Improper use of the products
- Use of unauthorised 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 person.

Lampuga Support is available to help you with technical problems. Contact details and our support times can be found on our website.

COPYRIGHT PROTECTION


This document is protected by copyright. Any reproduction or publication is prohibited and requires the written authorisation of Lampuga GmbH.





02 SAFETY

USAGE

- The use of the e-surfboard is only permitted on authorised waters. Use in nature, water and animal protection areas and in designated bathing areas is prohibited in most regions. The relevant 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 fitness. You must be able to swim.
- Use of the e-surfboard under the influence of alcohol, medication, drugs or physical ailments is not recommended.
- Always use the e-surfboard responsibly and wear appropriate protective equipment.
- Use in the dark is not recommended.


**WARNING**

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




DANGERS


- Check the current weather conditions before setting off.

 WARNING
<p>Risk of injury from using the e-surfboard in unsafe weather conditions. Never use the e-surfboard in...</p> <ul style="list-style-type: none">• Severe weather (storm, thunderstorm)• Poor visibility (darkness, fog)• High swell (waves > 0.5 m)• Strong current


- Only use the e-surfboard in suitable waters.

 CAUTION
<p>Risk of injury from using the e-surfboard in an unsafe environment. Never use the e-surfboard in...</p> <ul style="list-style-type: none">• Water depth too shallow (min. 1.2 m)• High swell (waves > 0.5 m)• Strong current• Water polluted by flotsam (wood, algae, ice)


- Risks due to mechanical hazards.

 WARNING
<p>Risk of injury due to moving components.</p> <ul style="list-style-type: none">• Never reach into the inlet or outlet opening of the jet while the e-surfboard is switched on.

- Risks due to electrical hazards.


 DANGER
<p>Risk of injury from electric current.</p> <ul style="list-style-type: none">• Switch off the power supply immediately if the battery is damaged.• Do not use damaged batteries.• Do not immerse the battery under water.

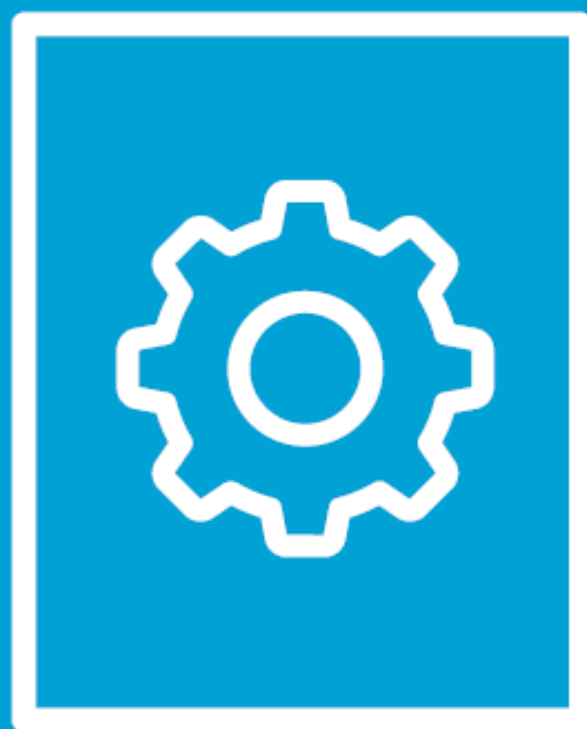
- Spare parts.

 WARNING
<p>Risk of injury due to incorrect spare parts .</p> <ul style="list-style-type: none">• Only use original Lampuga spare parts. Faulty spare parts impair safety and can lead to injuries, malfunctions and even total damage.

PERSONAL PROTECTIVE CLOTHING

- Always use the e-surfboard responsibly.
- We recommend wearing appropriate protective equipment.

 WARNING
<p>Risk of injury from using the e-surfboard without suitable protective equipment. Use the e-surfboard with...</p> <ul style="list-style-type: none">• 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



03 TECHNICAL DATA

PVC-HULL

- LAMPUGA AIR (Variant L1)

Max. number of persons	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 Rescue (Variant L2)

Max. number of persons	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

Voltage	< 60 Vdc
Shaft power (see PWR Unit type plate)	4,5 kW 7,5 kW 10,2 kW
Max. speed	40 km/h (bei 4,5 kW) 45 km/h (bei 7,5 kW) 55 km/h (bei 10,2 kW)
Weight	17 kg
Permitted temperature range	5 – 40 °C
Storage conditions	5 – 35 °C
Type of drive	Water jet propulsion



NOTE

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

BATTERY

Rated Voltage	50,4 Vdc
Capacity	71,8 Ah 3,6 kWh
Charging time	Ca. 2 h *
Weight	26,6 kg
Permitted temperature range	5 – 60 °C (discharge) 5 – 45 °C (charge)
Permitted temperature range at storage	5 – 35 °C
Recommendation	20 °C
Permitted humidity during storage	5 – 75 %
Recommendation	30 %
Maximum state of charge (SOC) for transport	30 %
Recommended state of charge (SOC) for storage	40 – 50 %

CHARGE UNIT

Input voltage	110 – 230 V
Max. rated power	1,5 kW *
Max. operating temperature	35 °C
Charging method	CCCV
Charging time	approx. 2 h *

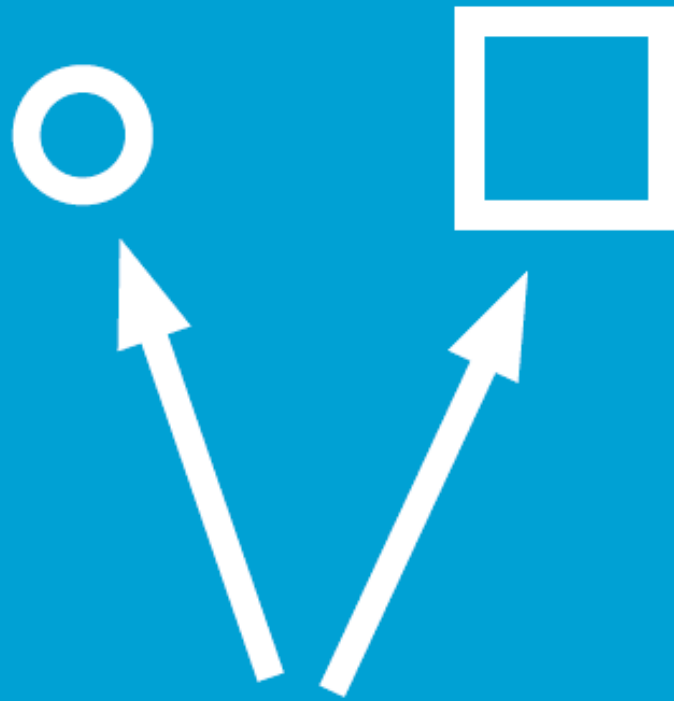
*Only at 230 V input voltage

REMOTE CONTROL

Rated voltage	3,6 Vdc
Battery type	Li-Ion Battery
Charging time	approx. 3,5 h
Permitted temperature range	5 – 60 °C (discharge) 5– 45 °C (charge)
Frequency band	2,402 – 2,480 Ghz

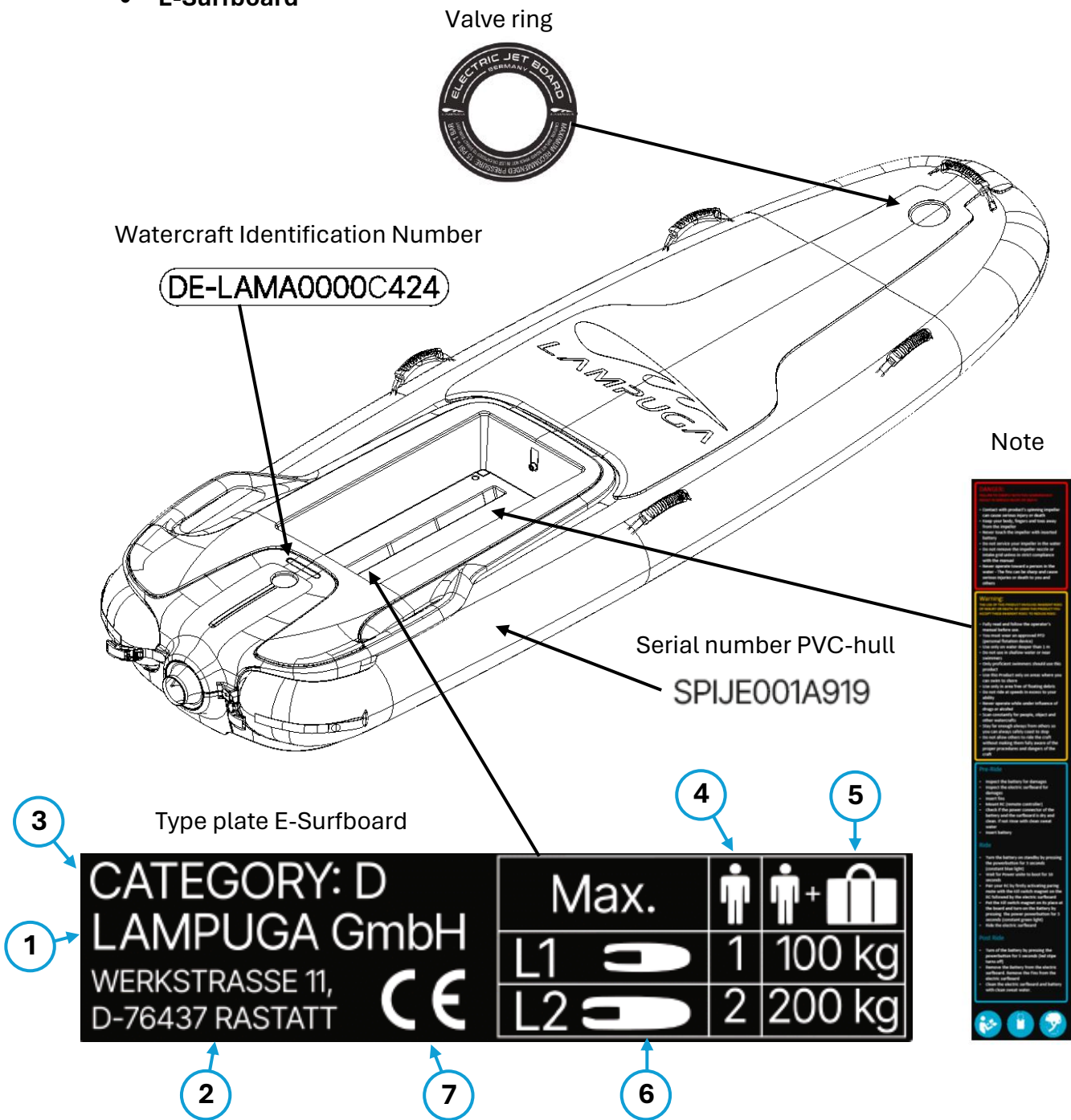
QI CHARGING STATION

Charger type	Wireless Standard Qi
Permitted temperature range	5 – 50 °C
Recommended power supply	DC 5 V (2 A)



04 LABELLING

- E-Surfboard



1. Manufacturer
2. Manufacturer address
3. Design category
4. Max. number of persons
5. Max. total weight
6. PVC-hull variant
7. CE mark

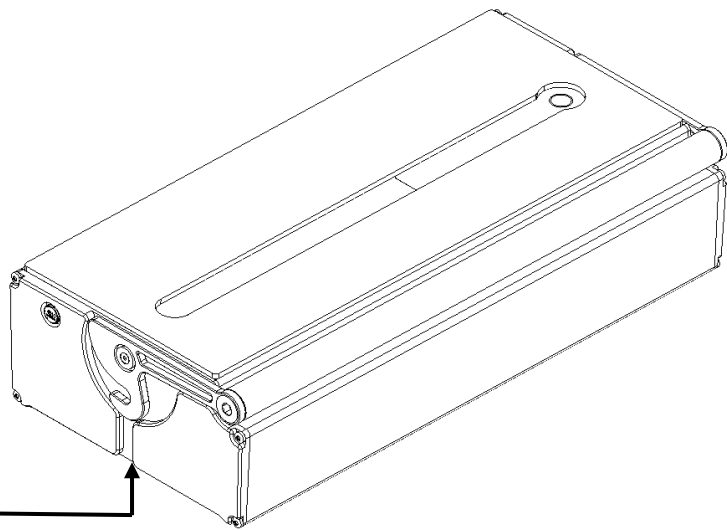
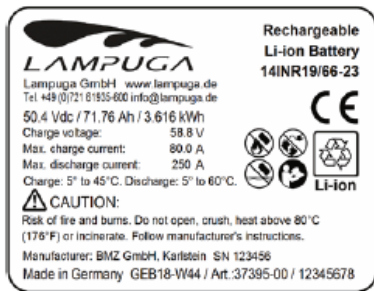
- Remote control

Type plate remote control



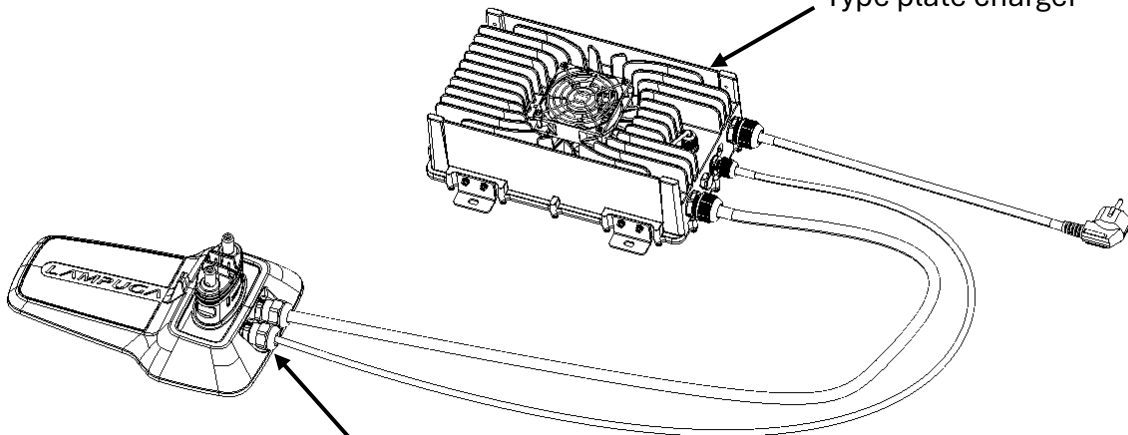
- Battery

Type plate battery

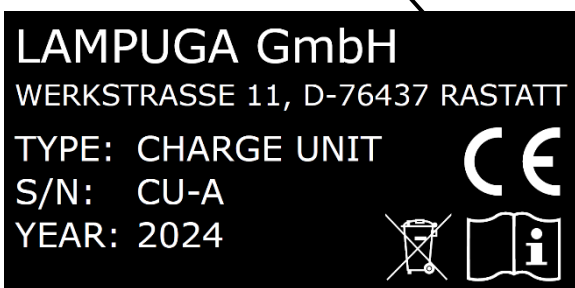


- Charge unit

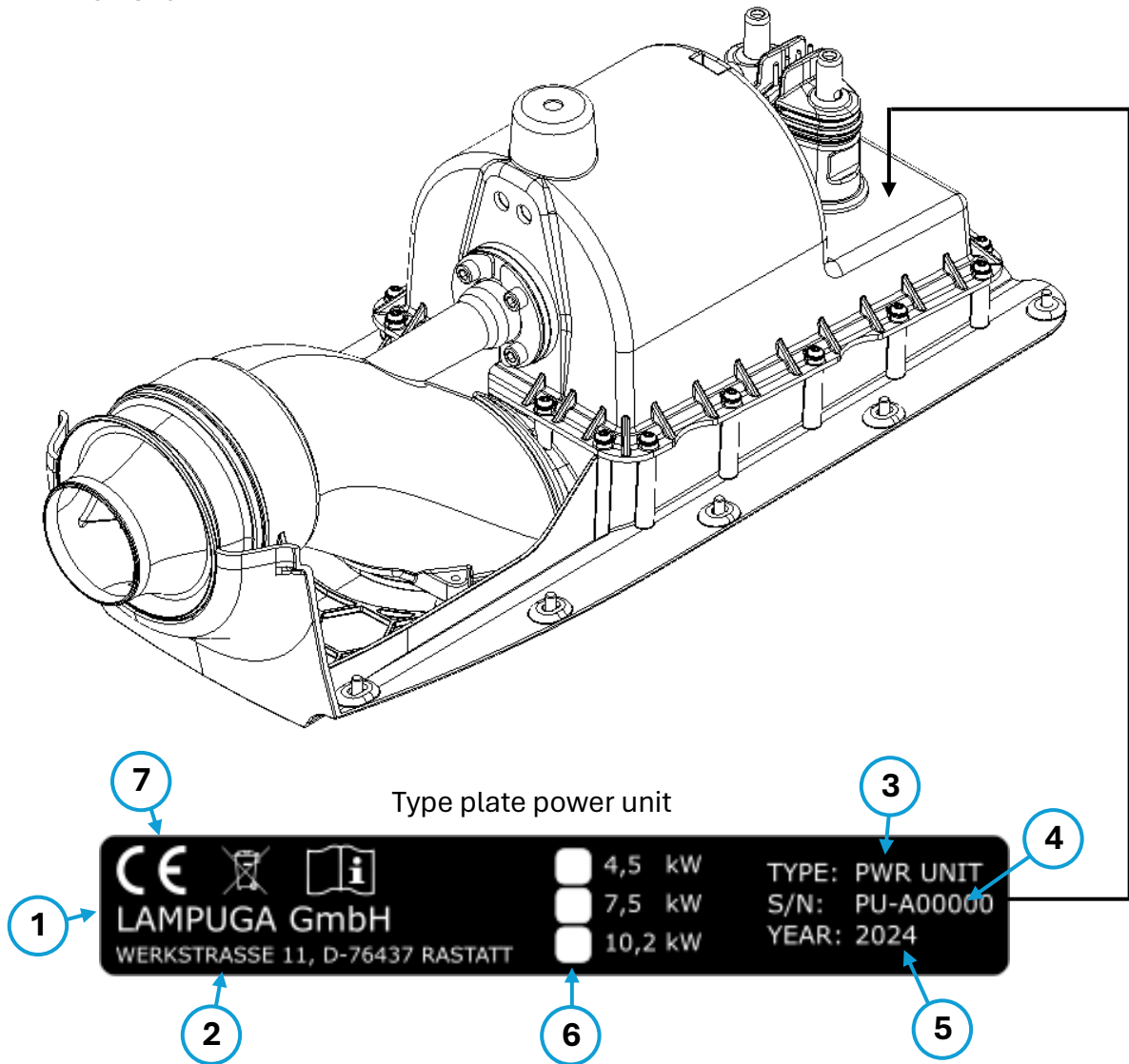
Type plate charger



Type plate charge unit



- Power unit



1. Manufacturer
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 INJURY OR DEATH: BY USING THIS PRODUCT YOU ACCEPT THESE INHERENT RISKS: TO REDUCE 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 pairing mode 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 stripe 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.

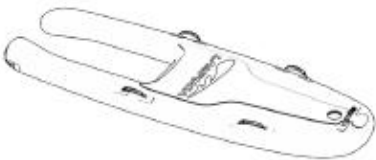




05 TRANSPORT AND STORAGE

SCOPE OF DELIVERY

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



PVC Inflatable Hull



Power Box



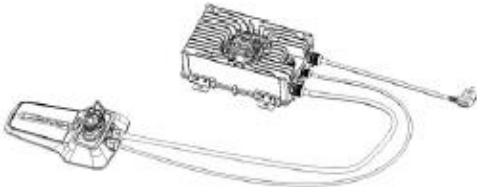
Hand Pump



Remote Control



Battery



Charging Unit



Fins



Leash with Kill Switch



Qi Charger



Nozzle Type A



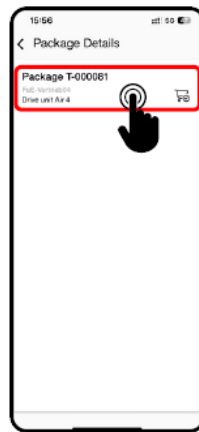
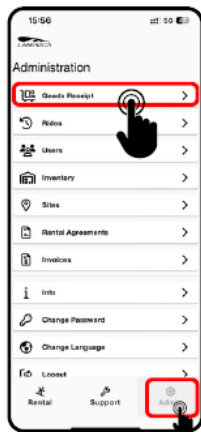
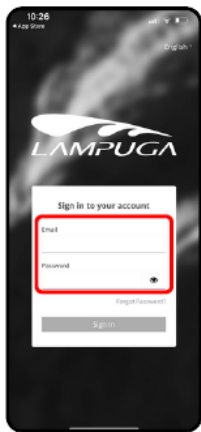
Impeller Type A




Nozzle Tool Type A



Repair Kit Inflatable Hull




1. Log in to the Lampuga Rental App with your access data.
2. Under the 'Admin' tab, you will find the 'Incoming goods' area.
3. Click on the existing delivery.
4. Confirm the delivery.

 **NOTE**

Please keep the original packaging for future transport.

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 vicinity of the storage location.
- Observe local regulations during storage.

TRANSPORT

In case 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 transport and sending it in its original packaging. This is certified as hazardous goods packaging in accordance with UN3480 (packaging code UN 4G/Y28/S/19/D/BAM 15296-WSG).

 NOTE	
<p>Dangerous goods such as lithium-ion batteries must be labelled accordingly.</p> 	

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.



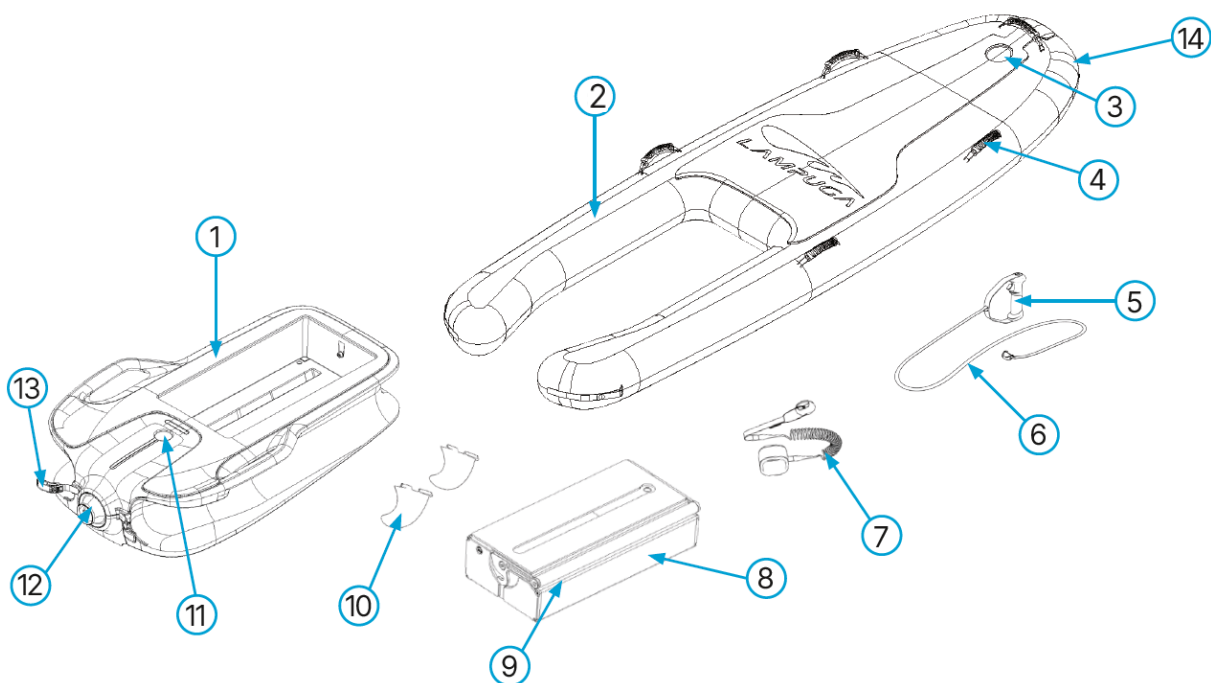


06 INSTALLATION AND COMMISSIONING

COMPONENTS

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

The battery (pos. 8) can be inserted into the Powerbox (pos. 1) and securely locked by folding the battery handle (pos. 9) to the side. The tether (pos. 6) connected to the remote control (pos. 5) is fixed to the retaining eyelet (pos. 14) on the PVC-hull (pos. 2). The fins (pos. 10) must be fitted to the Powerbox (pos. 1) from below.

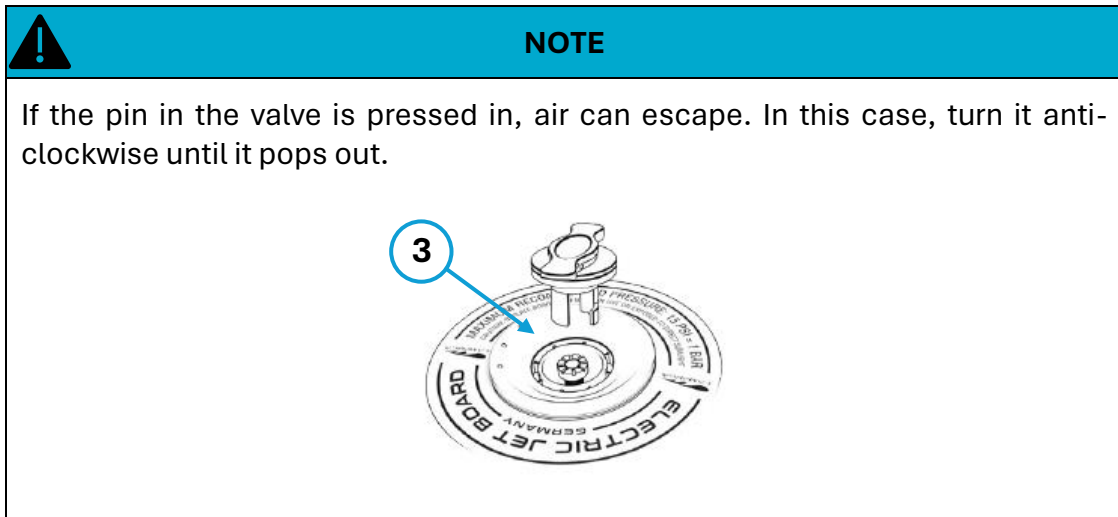


- | | |
|----------------------------------|------------------------|
| 1. Powerbox | 8. Battery |
| 2. PVC-hull | 9. Battery handle |
| 3. Valve | 10. Fins |
| 4. Handle | 11. Kill-Switch-holder |
| 5. Remote control | 12. Nozzle |
| 6. Rope | 13. Tensioning system |
| 7. Leash with Kill-Switch-Magnet | 14. Retaining eyelet |

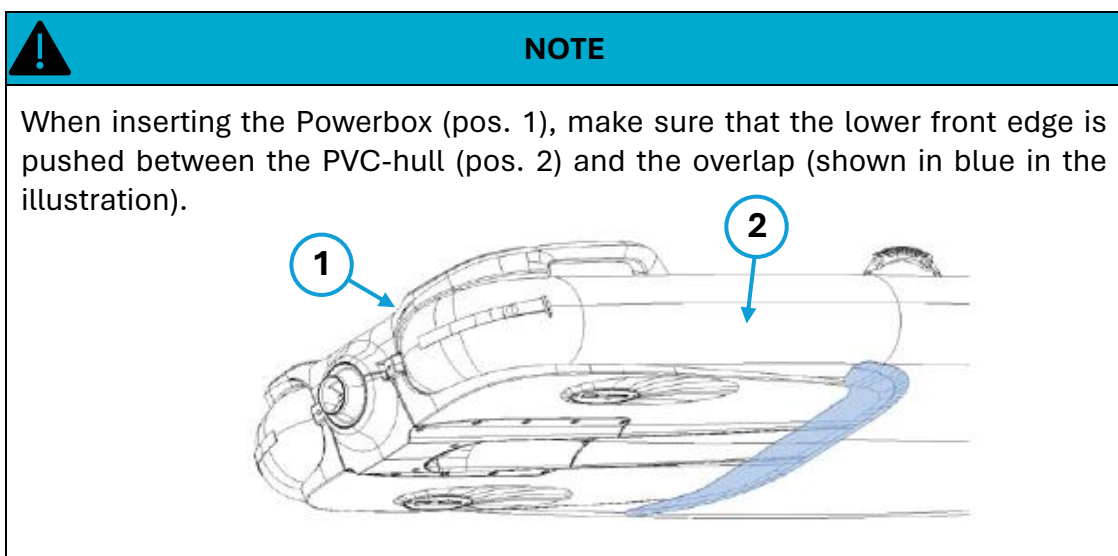
ASSEMBLY

Proceed as follows to assemble the e-surfboard:

1. Check that all components are in good condition before each assembly.
2. Spread out the deflated PVC hull (pos. 2) and open the valve cover (pos. 3).



3. Connect the air pump to the valve (pos. 3) and lock it by turning it clockwise.
4. Slightly inflate the PVC hull (pos. 2) (approx. 20 - 25 pump strokes).
5. Slide the Powerbox (pos. 1) into the PVC-hull (pos. 2) from behind. The Powerbox (pos. 1) must be positioned in the centre of the recess and pushed all the way into the PVC-hull (pos. 2).

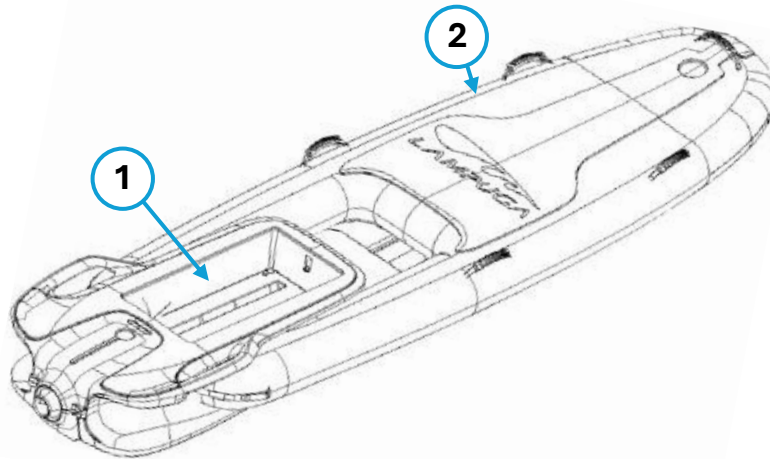




NOTE

Incorrect handling of the PVC 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 (pos. 2) (1 bar = 15 psi) and close the valve cover.
7. Fix the PVC-hull (pos. 2) to the Powerbox (pos. 1) using the tensioning system (pos. 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 driving behaviour.



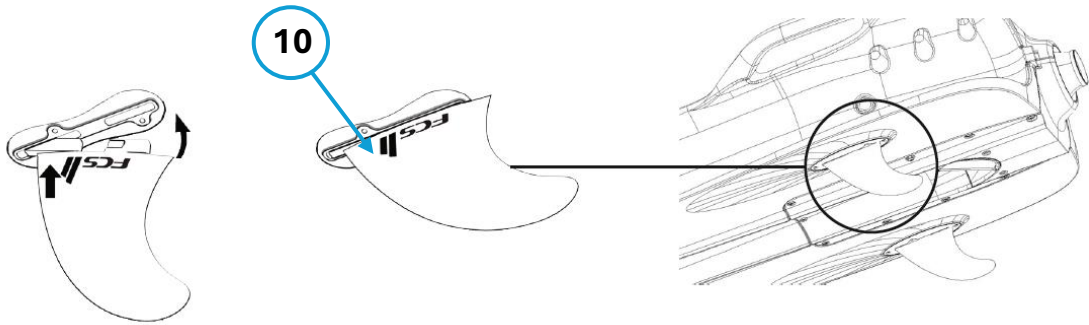
CAUTION



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.

8. Attach the rope (pos. 6) incl. remote control (pos. 5) to the retaining eyelet (pos. 14) at the front centre of the underside of the PVC-hull (pos. 2) using the carabiner.
9. Latch the fins (pos. 10) into the brackets provided on the underside of the Powerbox (pos. 1) (see illustration). Make sure that both are free of sand. Insert


the front end of the upper edge of the fins (pos. 10) into the holder and push the fin (pos. 10) all the way in. The lettering on both fins (pos. 10) must be on the outside.



 CAUTION	
<p>Risk of injury due to sharp edges.</p> <ul style="list-style-type: none">• Use gloves when inserting and removing the fins.	

 NOTE	
<p>The following assembly steps should take place in the immediate vicinity of the water for handling reasons, as the e-surfboard has a total weight of approx. 52 kg after installation of all components.</p>	

10. Make sure that the contact points on the power plug and the seal of the e-surfboard and battery are free of dirt.

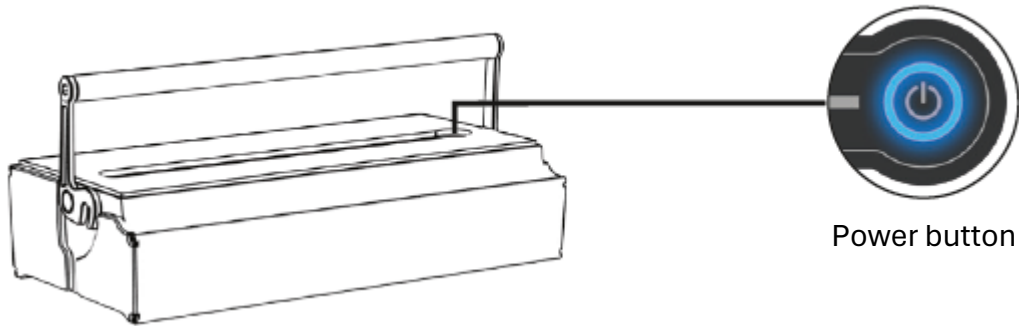
 CAUTION	
<p>Material damage due to moisture on the plug contacts.</p> <ul style="list-style-type: none">• Keep the contacts and plug connections dry and clean.• Only connect the battery when it is dry.	

11. Insert the battery (pos. 8) (power button in the direction of travel) into the recess of the Powerbox (pos. 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 strap on the battery handle (pos. 9) points upwards and remains within reach).
13. The e-surfboard is now fully assembled.

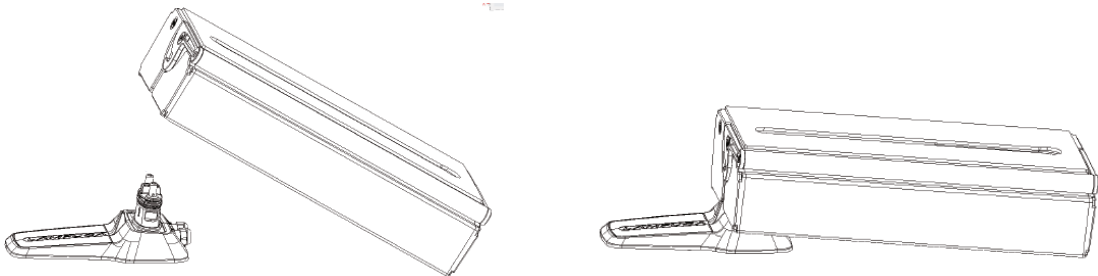
CHARGING

Both the e-surfboard 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 (< 1 second) to switch it on (see illustration).

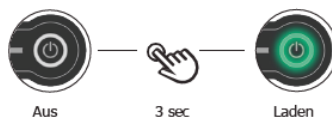


To charge the battery, proceed as follows:

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



2. Connect the charger to the mains voltage.
3. Switch on the battery by pressing the power button (3 seconds).



- The charging process starts automatically (after 1 minute at the latest).
- The active charging process is signalled by the flashing LED bar.
- The charging process is complete as soon as the LED bar lights up blue 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

Material damage due to improper handling of the charger.

- Never charge the battery in direct sunlight
- Keep the contacts and plug connections dry and clean
- Only connect the battery when it is dry



DANGER

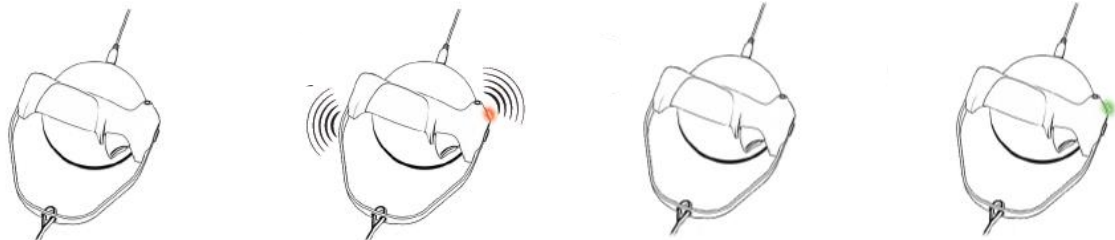
Damage to property and personal injury due to improper handling of the battery.

- Do not immerse the battery under water
- Do not expose the battery to direct sunlight unnecessarily
- Do not use a damaged battery

The remote control battery lasts for around 20 hours in active mode and therefore does not need to be charged before every ride. 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 can't 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, red.
2. Place the remote control on the charging station. Ensure that 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 flashes red. The LED of the Qi charging station lights up red.
4. If the LED lights up green, the remote control is already charged.
5. When the charging process is complete, the remote control LED lights up green. After a certain time, the remote control switches off automatically.



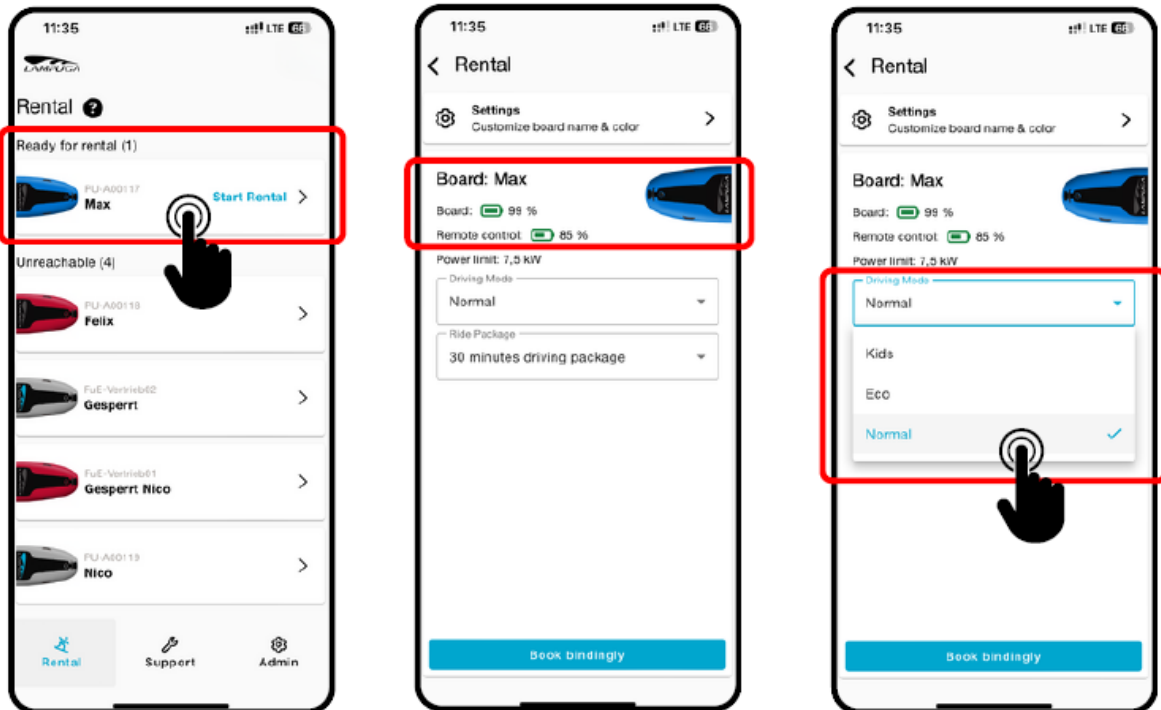
NOTE

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 RIDES 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, carry out the "pairing" of 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 riding mode (kids, eco, normal, sport).



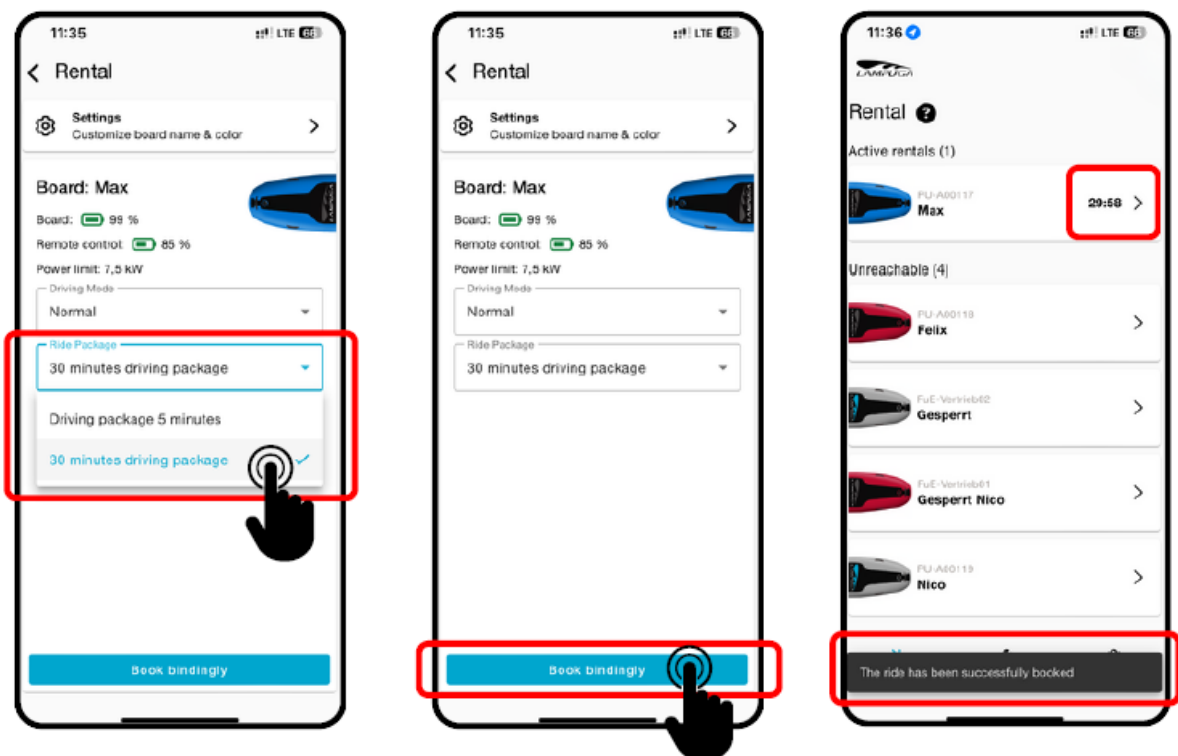
6. Select the appropriate package.

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. Keep track of current rides.



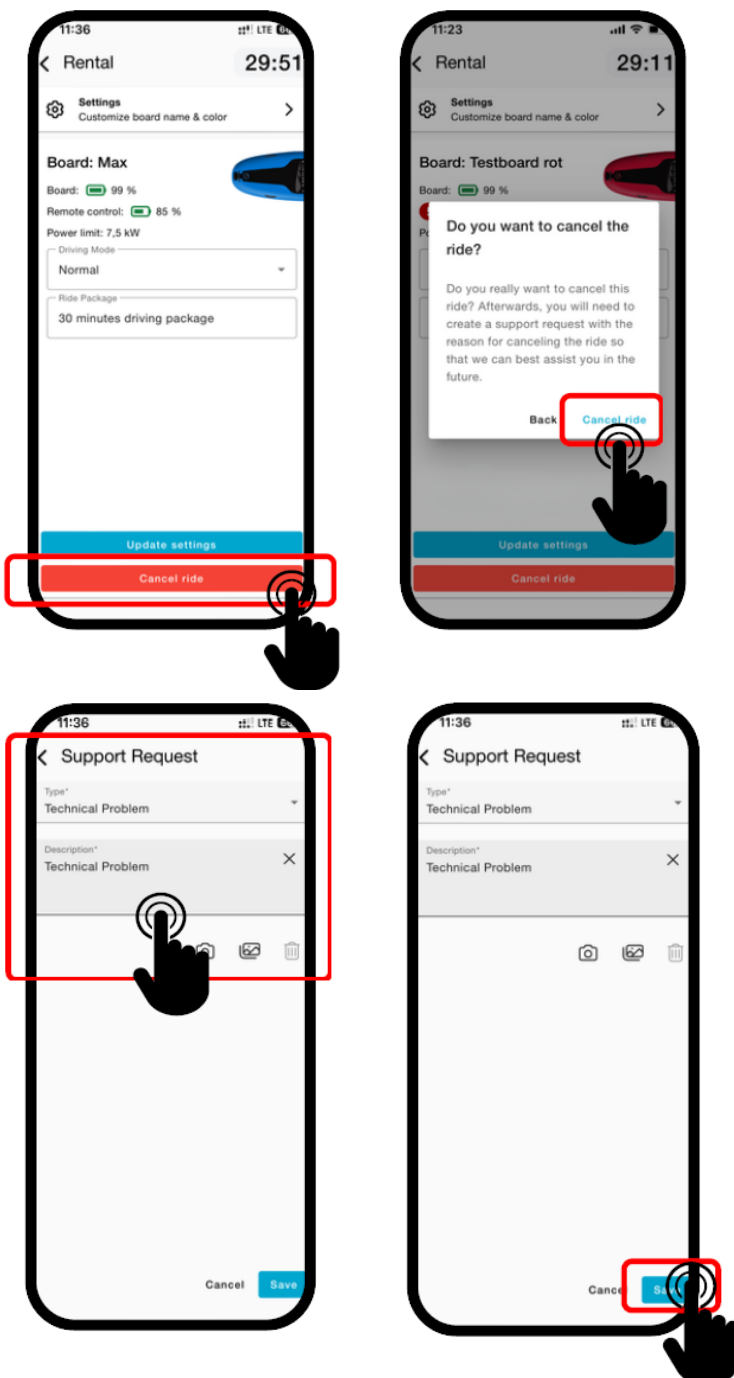


NOTE

If the ride is canceled 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 ride via the Lampuga Rental app, proceed as follows:

1. Tap on "Cancel ride" in the corresponding booking
2. Accept a support request
3. Describe the reason for your cancellation
4. Submit the cancellation





07 OPERATION AND DRIVING

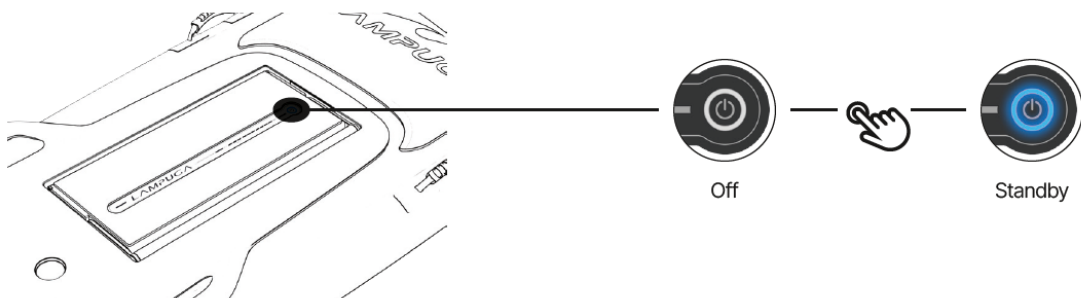
FUNCTIONAL DESCRIPTION

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 named water jet drive can be infinitely adjusted by remote control. Changes in direction are achieved by shifting weight on the e-surfboard. In the case of a crash, the kill-switch-magnet is disconnected from the e-surfboard and the e-surfboard switches to standby mode.

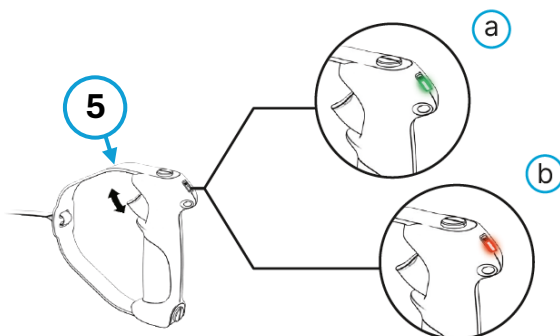
COMMISSIONING

To commission the e-surfboard, proceed as follows:

1. Place the e-surfboard in the water and stand next to it.
2. Press the power-button for 3 seconds.
As soon as the power button lights up blue continuously, the e-surfboard is in standby mode.

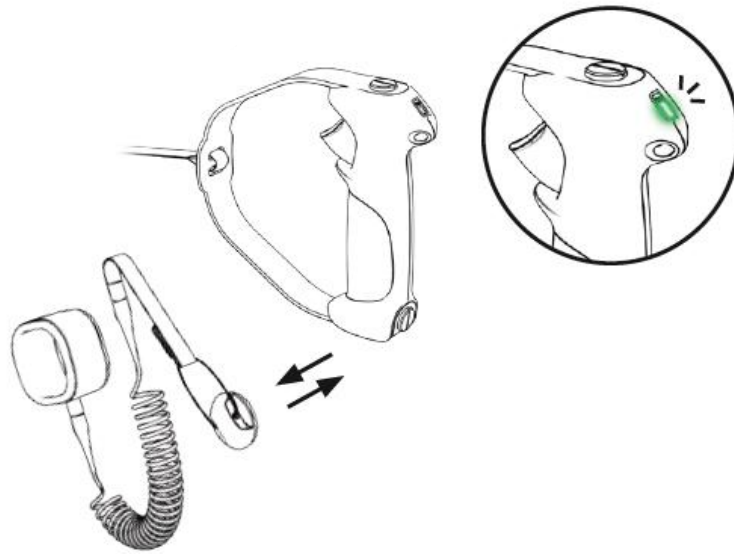


3. Switch on the remote control (pos. 5) by pressing the trigger.
 - If the LED lights up green, the remote control is already paired with the e-surfboard (a).
 - If the LED lights up red, the remote control must be paired with the e-surfboard (b).



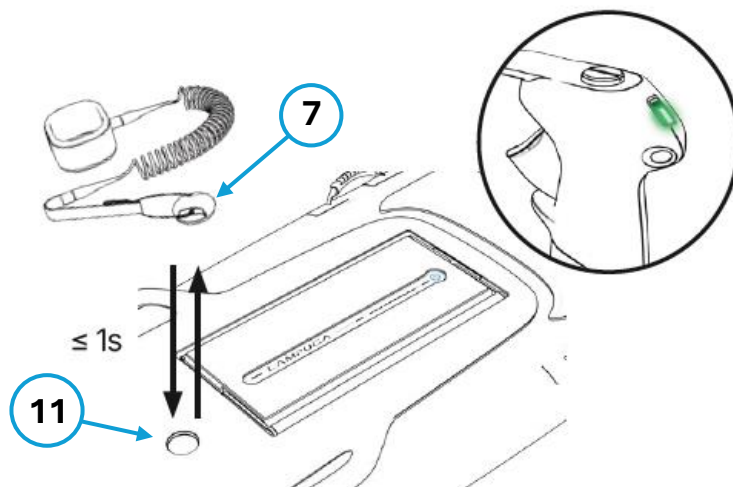
Pairing

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. Hold the kill-switch-magnet in the kill-switch-holder (pos. 11) on the Powerbox (pos. 1) for one second and remove it again immediately (min. 30 cm distance). The remote control (pos. 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 signals:



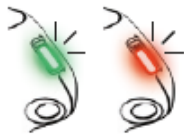
LED lights up red:
E-Surfboard and remote control are not paired.



LED lights up green:
E-Surfboard and remote condition are paired.



LED flashes grün:
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).

RIDE

To ride the e-surfboard:

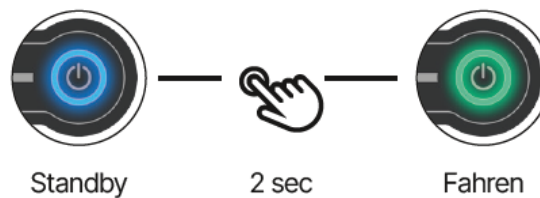
1. Check the e-surfboard for correct assembly and damages.


**WARNING**

Risk of injury.

- 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 for 3 seconds - lights up blue).
4. Carry out the pairing process (if necessary).
5. Book a ride package via the Lampuga Rental App.
6. Attach the kill-switch-leash to your ankle.
7. Position yourself in the middle of the e-surfboard.
8. Hold the remote control loosely in your hand.
9. Place the kill-switch-magnet in the holder provided (pos. 11)).
10. Press the power button again for 2 seconds.
(Power button now lights up green - drive mode activated)



**NOTE**

If the power button is pressed for longer than 5 seconds, the battery switches off.

11. Press carefully the trigger on the remote control.
12. Have fun and good ride!

Take a position of your choice. You can use the e-surfboard lying down, sitting, kneeling or standing. Keep an eye on your balance and bear in mind the risk of a possible fall.



NOTE

Specially as a beginner, you should make sure that you are positioned centrally and not too far back on the e-surfboard.



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 ride and stop the ride 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.

Press carefully 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 press the trigger, the e-surfboard brakes due to the water resistance.




CAUTION

Risk of injury due to uncontrolled falling.


- Ride in accordance with the external conditions and 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 case of a fall.

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

1. If the e-surfboard has capsized, position yourself in the middle and grab the opposite strap via the PVC hull. Pull the e-surfboard towards and tilt it to the desired position.
2. Get back on the e-surfboard.
3. Place the kill-switch-magnet in the holder provided for this purpose.
4. Press the power-button for 2 seconds.
(Power-button lights up green - drive mode is activated)
5. You can continue the ride.

 WARNING	
Risk of injury due to unintentional restarting.	
<ul style="list-style-type: none">• Place 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.	


If the booked ride package expires or the charge level is low, the e-surfboard switches to throttle mode. In this case, return to the shore immediately.

 NOTE	
Make sure that the fins are not damaged.	


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 an 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. <ul style="list-style-type: none">• Before using it again, make sure that the plug contacts are dry.

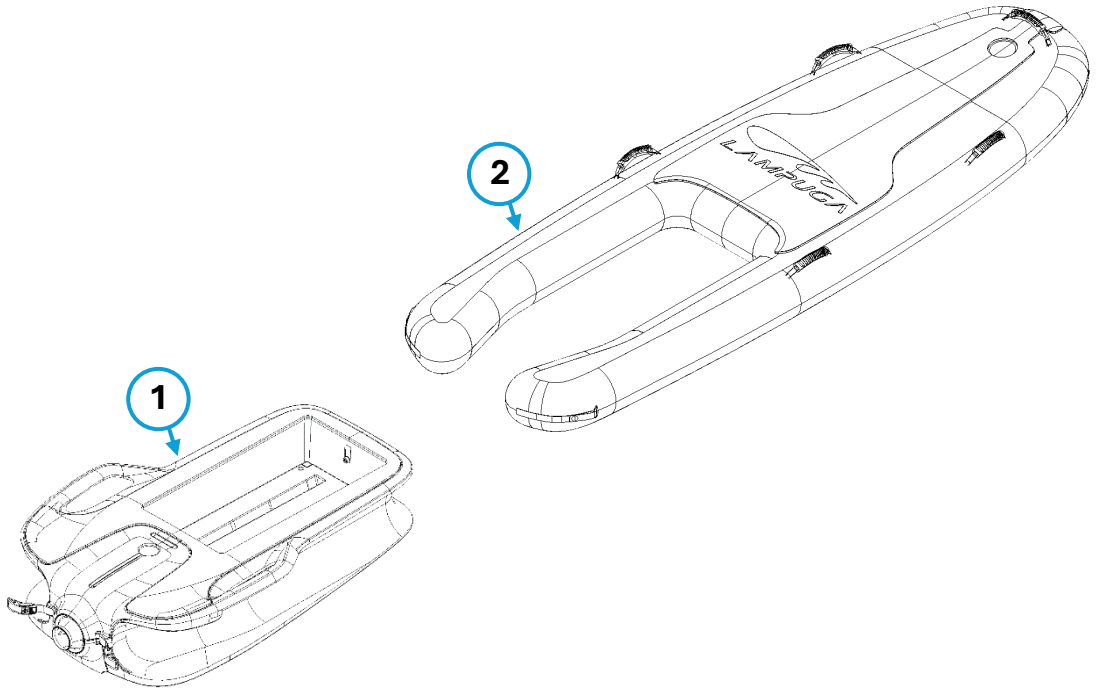
7. Remove the fins. To do this, push the rear end of the fin forwards until it releases from the holder.

 CAUTION	
Risk of injury due to sharp edges. <ul style="list-style-type: none">• Use gloves when inserting and removing the fins.	

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

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

11. Pull the Powerbox (pos. 1) backwards out of the PVC hull (pos. 2).



12. Stock the components according the specifications.



08 MAINTENANCE AND REPAIRS

MAINTENANCE INSTRUCTIONS



NOTE

Clean all components regularly (after every ride) with fresh water.



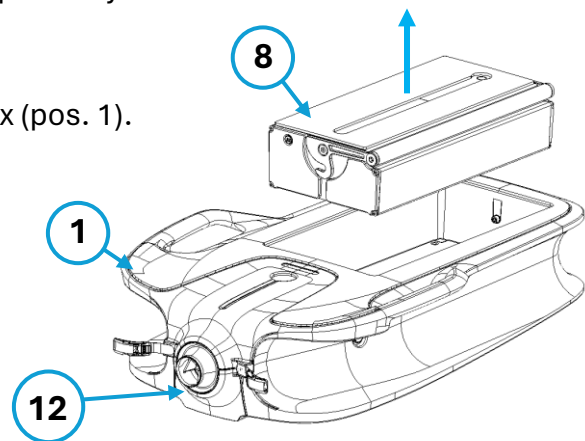
DANGER

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

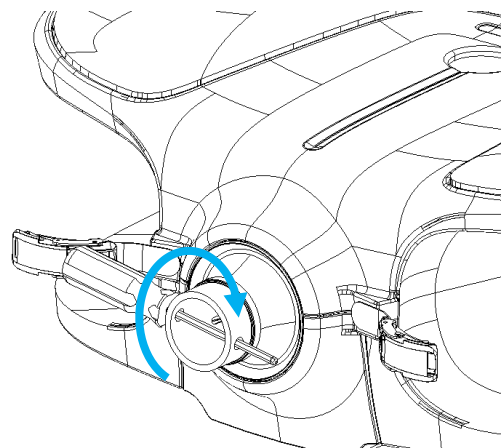
NOZZLE CHANGE

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

1. Remove the battery from the Powerbox (pos. 1).



2. Take the nozzle tool and place it on the nozzle.
3. Insert a sturdy screwdriver through the cross holes of the nozzle tool and turn the nozzle tool and nozzle clockwise to remove the nozzle.

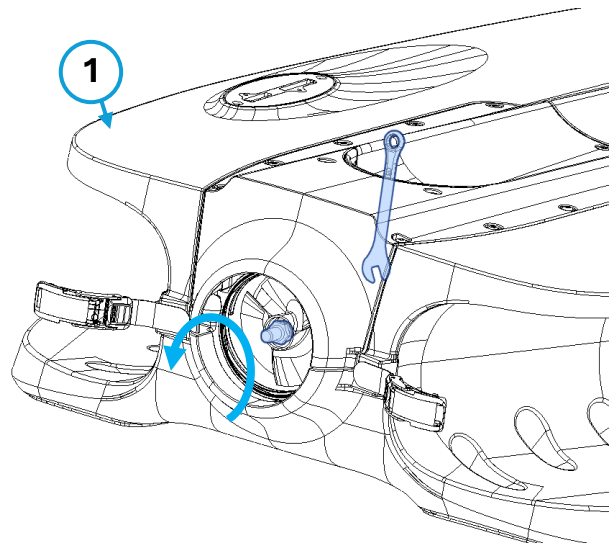


4. Clean the thread of the drive unit.
5. Screw the new nozzle counterclockwise into the drive unit.

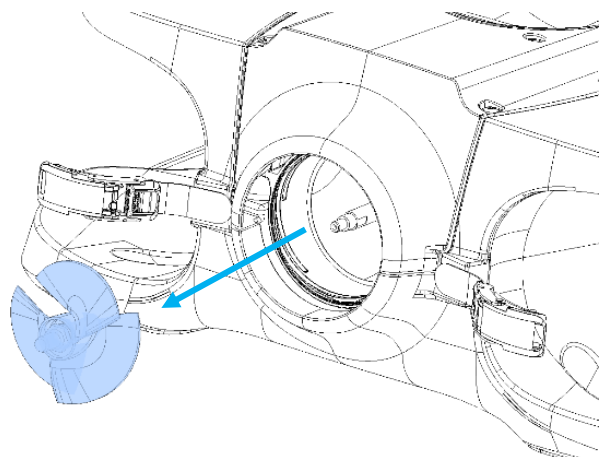
IMPELLER CHANGE

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

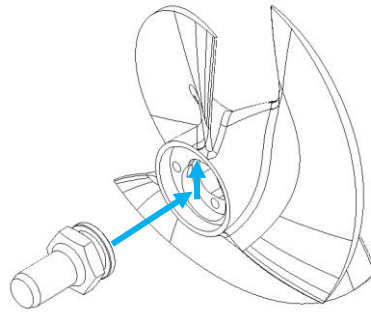
1. Remove the battery (pos. 8) from the Powerbox (pos. 1).
2. Place the Powerbox (pos. 1) or the e-surfboard upside down on a stable and clean surface.
3. Remove the nozzle (pos. 12).
4. Use a ½-inch ratchet with a 16 mm socket wrench and a 10 mm open-end wrench to hold the drive shaft in place.
5. Put the 10 mm open-end wrench through the water intake and insert it on the wrench flat of the drive shaft.
6. Loosen the impeller nut by turning it counterclockwise. Ensure that the torque is countered with the 10 mm open-end wrench.



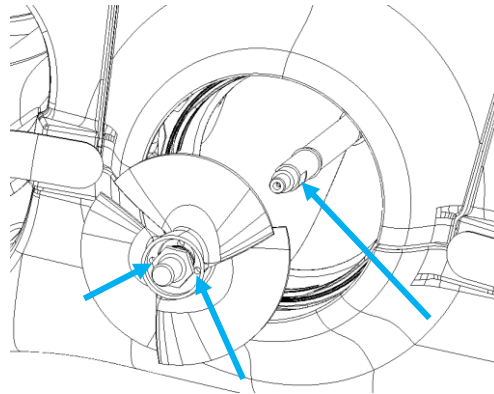
7. Pull off the impeller together with the impeller nut. Some force may be required to do this. Protect your hand with suitable gloves.



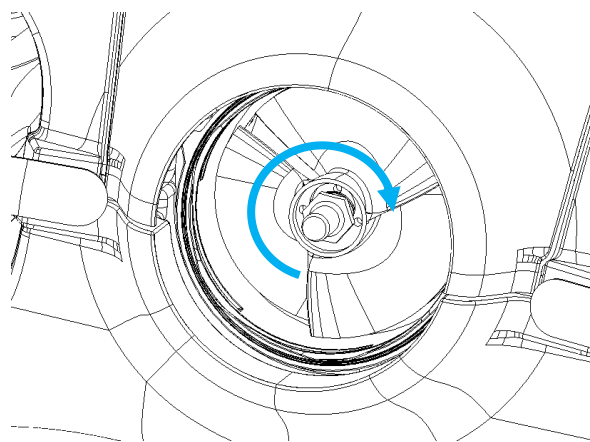
8. Insert the new impeller into the impeller nut.



9. Push the impeller together with the impeller nut carefully on to the drive shaft. Check 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 the 10 mm open-end wrench to counter.

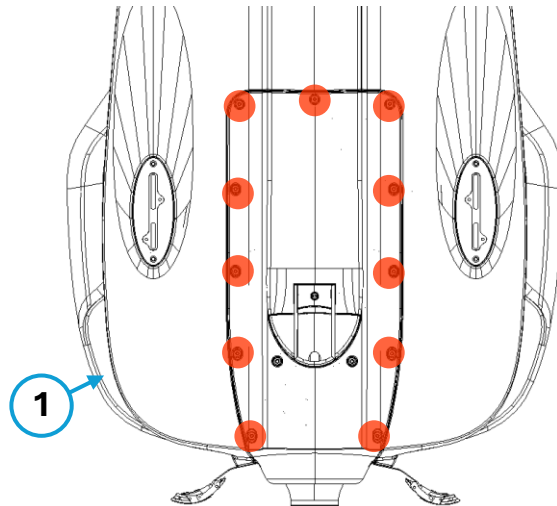


11. Install the nozzle.

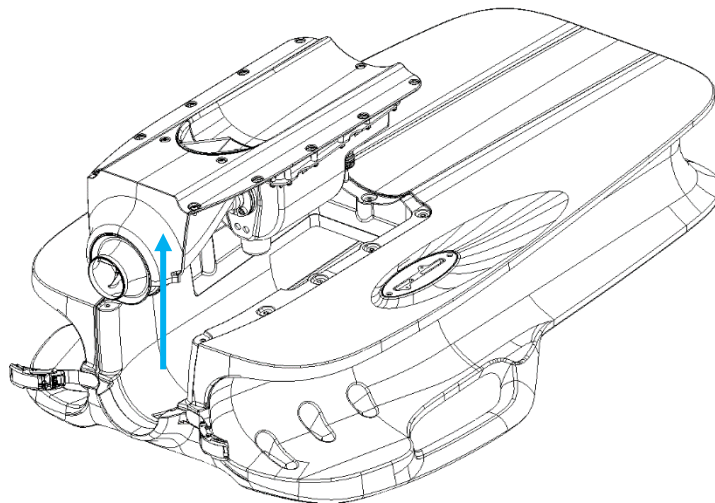
DRIVE UNIT CHANGE

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

1. Turn the Powerbox (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 Powerbox (pos. 1).

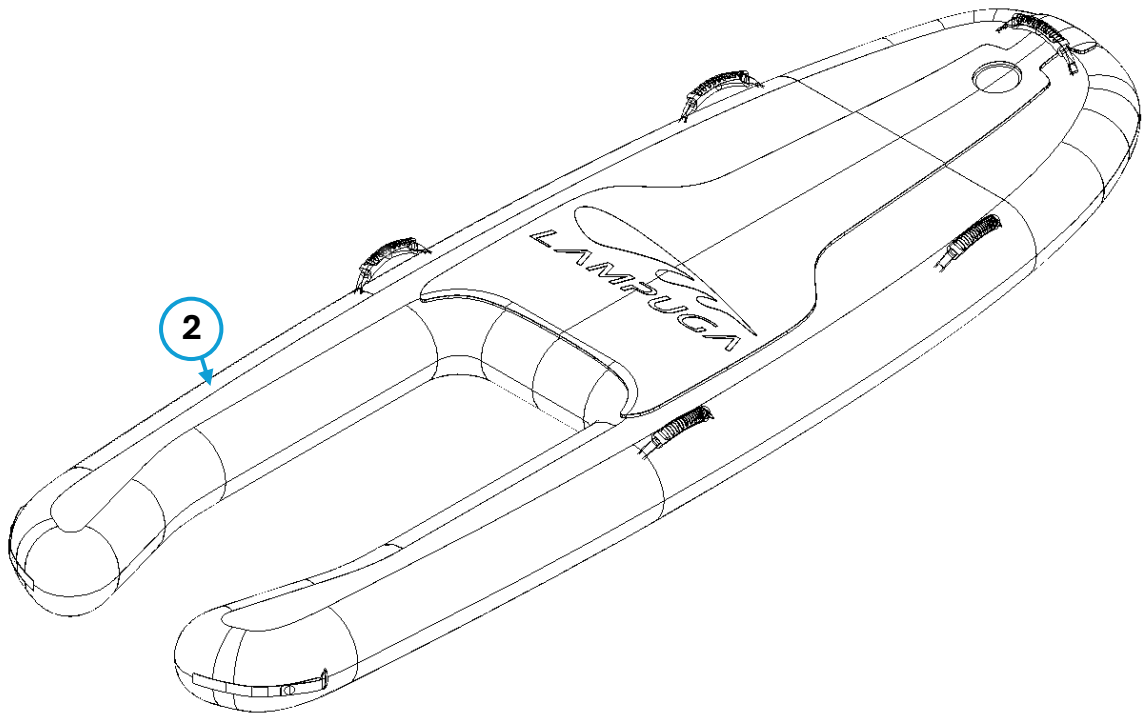


4. Install the replacement drive unit in the Powerbox (pos. 1).
5. Fasten the replacement drive unit with new hexagon socket screws. Use the supplied torque wrench (2.2 Nm) for this.

PVC – HULL REPAIR

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

1. Identifizieren Sie die Leckagestelle.




2. Clean and dry the leakage area.
3. Using sandpaper to rough the leakage area.
4. Glue the leakage area using PVC adhesive from the Repair kit. Allow the adhesive to dry for 5-10 minutes.
5. Cut an appropriately sized PVC patch from the Repair-kit and stick it to the leak. Press the PVC patch onto the leak with as much force as possible (contact adhesive).



09 DISTURBANCES

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 reason	Remedial action
Power button lights up red	
Malfunction of the battery	Restart the e-surfboard
Overheating of the battery	Allow the battery to cool down
Very low charge level of the battery	Contact Lampuga Support
Malfunction of the drive	Contact Lampuga Support
Battery is not charging	
Battery is fully charged	Check charge level (press power button for <1 second)
Battery does not rest correctly on the charging station	Check the position of the battery
Plug contact is contaminated	Clean plug contacts
Power button lights up red	Contact Lampuga Support
Remote control does not turn 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)
Malfunction of the remote control	Contact Lampuga Support
Remote control does not charge	
Remote control is 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 is 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	Restart 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	Restart e-surfboard
Power button lights up blue, after pressing the power button for 2 seconds the color does not change to green	
Kill switch magnet not attached	Place the kill switch magnet in the holder
Malfunction of the drive	Restart 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	Change impeller
Nozzle damaged	Change 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	Change impeller
Nozzle damaged	Change nozzle
E-surfboard moves in one direction while riding	
Fin lost	Check the fins
PVC hull not clamped in the middle	Remove the tensioning system (on land) and reinstall 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 8665:2020 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

Document: Original

Month/Year: 04/2024

Rev. No.: 1.0

EU Declaration of Conformity



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 55014-2:2021 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

Document: Original

Month/Year: 04/2024

Rev. No.: 1.0



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