

TRANSLATION OF THE
ORIGINAL USER MANUAL
LAMPUGA AIR





THANK YOU FOR PURCHASING A LAMPUGA PRODUCT.

Always read the user manual before preparing the product for use.

Please retain the user manual for future use of the jetboard.

For further information about Lampuga jetboards, please visit our website.

Please retain the original jetboard packaging for future transport.

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User manual

This user manual forms the basis for everything you do with, on or to the jetboard. Take note of and follow all safety instructions.

Keep this user manual with or near the jetboard and hand it over with the jetboard if it is passed onto others.

This user manual applies to the LAMPUGA AIR jetboard and its design variants.


This user manual is available in digital form and in other languages from the official Lampuga support page. There you can also find useful information, documents and a selection of instructional videos explaining more about our product.




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

Symbols


Warnings and safety information are indicated by pictograms, warning symbols and signal words. Pictograms in combination with signal words have the following meanings:




DANGER!
... indicates an immediate danger leading to death or severe injury if not avoided.



CAUTION!
... indicates a possible dangerous situation that could lead to minor injury if not avoided.



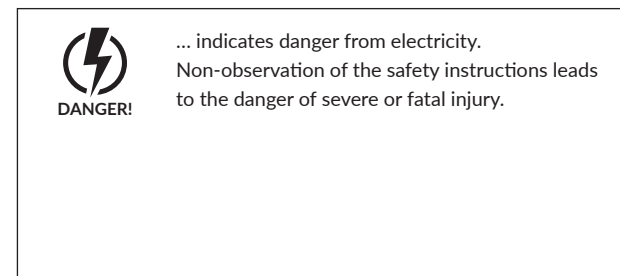
WARNING!
... indicates a possible dangerous situation that could cause death or severe injury if not avoided.



ATTENTION!
... indicates a possible dangerous situation that could lead to material damage if not avoided.

Specific safety information

The following pictogram is used in combination with safety information to draw attention to specific dangers:



Disclaimer

All information and instructions in this user manual were based on the applicable standards and regulations and the latest state of the technology at the time.

The manufacturer accepts no liability for damages due to:

- Non-observation of the manual
- Improper use
- Non-approved technical modifications
- Use of non-approved replacement parts
- Any kind of Interference with the product
- Non-permitted opening of any component

Warranty & guarantee

The manufacturer guarantees the functionality of the jetboard in the delivered condition and in accordance with the manufacturer's guarantee. You must therefore observe the *Servicing & care instructions* set out in Chapter 7. This does not affect any statutory rights.

Repair

Please contact your dealer in the event of damage or defects to the jetboard. Repair or servicing of the jetboard by the user or non-authorised persons is forbidden and will void the guarantee.

Customer service

Should you have any questions, please contact your dealer.

Copyright

This document is protected by copyright. Any duplication or publishing, even in extract form, is prohibited and will lead to claims for damages.

Disposal

Electrical and electronic devices, including batteries, may not be disposed of with household waste. Consumers are legally obliged to take electrical and electronic devices, including batteries, at the end of their service life to

collection points set up for that purpose or return them to the place of sale. Consult the regulations applying in your area for details.

The symbol shown below, which may be found on the product, in the user manual or on the packaging, indicates this requirement.

Recycling to recover the constituent materials or other forms of recycling of old devices/batteries make an important contribution to protecting our environment.





Safety

This chapter gives an overview of all aspects of safety concerning the handling and use of the jetboard. It seeks to protect the user and points out possible dangers. Non-observation of the handling and use instructions and the warnings and safety instructions can give rise to considerable danger.



NOTE!

This jetboard is sports equipment and is intended exclusively for private use and for movement on bathing-quality open water that is free of flotsam and other obstructions. Any other use shall be considered as improper use and is expressly forbidden.

Proper use

The jetboard is intended to be used exclusively for sports purposes on open water where such use is permitted. The use of the product in nature, water or wildlife conservation areas or in designated bathing zones is forbidden. Observe the information relating to speed and the age and weight restrictions (Chapter 3 *Technical data*).

The products comply with the product safety regulations within the European Union.

The rider must have the appropriate physical attributes and fitness to use the jetboard. Do not use the jetboard on open water in which people are swimming. Before riding the jetboard at high speed, first reconnoitre the water for possible dangers. Always ride responsibly and wear suitable personal protective equipment (PPE). Find out the weather conditions before each use.

Improper use

Any other use beyond the proper use of the jetboard defined here is forbidden. Particularly, but not exclusively, it is forbidden to:

- use the jetboard under the influence of alcohol, medicines or drugs.
- use the jetboard if you wear medical devices or have implants fitted.
- use the jetboard if you are pregnant.
- use the jetboard to transport items.
- use the jetboard while eating, drinking or using a mobile phone or tablet.
- use the jetboard with another person.
- use the jetboard if the rider's weight including PPE exceeds the permitted weight limit (Chapter 3 *Technical data*).
- immerse the jetboard under water beyond the extent required for its normal purpose.

- use the jetboard in the dark or twilight.
- use the jetboard on an iced-over surface – e.g. on a frozen lake.
- use the jetboard if the rider is not in a good state of health.
- use the jetboard without adequate insurance.
- use the jetboard if you cannot swim or your health cannot guarantee safe use (including the bank being farther away than you can swim).
- use the jetboard if you have long hair and are not wearing suitable hair protection, e.g. a hairnet.

Weather conditions



WARNING!

Danger of injury from the use of the jetboard in unsafe weather conditions. Therefore:

- Never use the jetboard during high winds, thunderstorms, darkness or fog.
- Do not use the jetboard in rough water (waves ≥ 0.5 m), braking waves or strong currents.
- Beware of offshore winds and being carried away by currents.

User's responsibility

The jetboard is a consumer item. The user carries full responsibility for ensuring that the jetboard is handled and used safely.

Personal protective equipment



WARNING!

Danger of injury when using the jetboard without suitable personal protective equipment. Therefore:

Use the jetboard only in combination with suitable personal protective equipment:

- Helmet (certified in accordance with DIN EN 1385)
- Hearing protection
- Life jacket or impact vest (certified in accordance with DIN EN 12402)
- If necessary: Neoprene clothing / protection against the cold / hairnet
- Anti-slip, water-resistant footwear
- Wireless communication device

When troubleshooting, fault rectification, maintenance, servicing and cleaning:

- Safety footwear

Hazards

The jetboard has been subjected to a risk assessment. The hazards (dangers) identified by the risk assessment have been eliminated as far as was technically possible to reduce the associated risks.



ATTENTION!

However, handling and using the jetboard can give rise to residual risks. Therefore:

- The warnings and safety instructions given in this chapter must be observed.

Risks from mechanical hazards



CAUTION!

Danger of injury from moving parts!

Therefore:

- Do not reach or look into the inlet or outlet openings of the jet while the jetboard is in or ready for use.

Risks from electrical hazards

The jetboard comes with a charger to charge the removable battery. The following hazards can occur when handling and using the battery and charger:




DANGER!

Danger to life from electricity!
Contact with live components can lead to death.
A damaged battery or charger can endanger life.

- If the battery is damaged, switch off the power supply immediately and do not use or charge the battery.
- Do not bridge or disable the fuses.
- Keep wet and moisture away from live components.
- Any work on the charger or on the battery must be done only by specialists trained or certified by the manufacturer.

Replacement parts



WARNING!

Danger of injury from incorrect replacement parts!

Defective replacement parts adversely affect safety and can cause injury, malfunctions and damage, ranging up to the complete failure of the product.

- Use only fault-free original replacement parts.

What to do in the event of accidents or in a dangerous situation

Preventative measures:

- Always behave responsibly.
- Do not expose yourself to danger.
- Ensure that the jetboard is free of faults and defects before use.

In the event of an accident:

- Always call the emergency number in the event of an accident.
- Remove the effected people from the danger zone.
- Keep the access route for emergency vehicles free.



03 TECHNICAL DATA

User information

Maximum number of users	1 person
Max. weight (user including PPE)	100kg
Minimum age	18 years

Technical data – Jetboard

Voltage	< 60 Vdc
Motor output	10kW
Maximum speed	50 km/h
Permissible operating temperature range	5–40 °C
Storage conditions	20 °C
	< 50 % rel. humidity

Dimensions and weights

Weight PVC hull	Approx. 8 kg
Weight powerbox	Approx. 20 kg
Weight battery	Approx. 27 kg
Length	230 cm
Width	75 cm
Depth (without fins)	25 cm



A battery that is only partially charged, wind, wave height, current, high temperatures or a heavy rider reduce the speed and the range of the jetboard.

03 TECHNICAL DATA

Technical data – Battery*

Charging time (approx.)	2h
Rated voltage	50.4 Vdc
Battery capacity	71.76 Ah 3.616 kWh
Allowable temperature range during discharging	5–60 °C
Allowable temperature range during charging	5–45 °C
Allowable temperature range for storage (Recommended)	5–40 °C (20 °C)

Allowable relative humidity during storage (non-condensing) (Recommended)	5–75 % (< 50%)
Maximum state of charge (SoC) for transport	30 %
Recommended state of charge (SoC) for storage	10–50 %

Technical data – Charger*

Input voltage	230V
Maximum rated output	1.5 kW
Maximum operating temperature	35 °C
Charging method	CCCV

TECHNICAL DATA 03

Technical data – Bluetooth wireless remote

Charging time approx.	3.5 h
Rated voltage	3.6 Vdc
Battery type	Li-ion battery
Allowable temperature range	5–45 °C (charging) 5–60 °C (discharging)
Maximum transmission power	2 mW / 3 dBm
Frequency band	2.402–2.480 GHz

Technical data – Qi charging station

Charger type	Wireless standard Qi
Allowable temperature range	5–50 °C
Recommended mains adapter	DC 5V (2A)

*Detailed product information and the manufacturer’s user manual can be found on our support page (refer to p. 10).



04 TRANSPORT & STORAGE

The jetboard may be transported only with an emptied PVC hull and in the disassembled state. The board must be placed in the original product packaging or a suitable alternative packaging for transport. Ensure that the transported items are adequately secured. We recommend that the battery is charged to 30% maximum and placed in the original cardboard box for transport (special rules apply for transporting Li-ion batteries by airfreight). This original packaging is certified as suitable for packaging dangerous goods in accordance with UN 3480 (packaging code UN 4G/Y28/S/19/D/BAM 15296-WSG). Just as with sending



such goods by air freight, the use of certified original packaging is also obligatory for sending them by road. A maximum state of charge of 30% is obligatory for transport by airfreight. In addition to this, there are special rules for certain components:

- Lithium-ion batteries
- Neodymium magnets
- PVC adhesives



NOTE!

Some of the parts of the LAMPUGA AIR are classed as dangerous goods and should be dispatched as such. Observe the regulations for the transport of dangerous goods.

TRANSPORT & STORAGE 04



DANGER!

If not treated properly and in particular if they are damaged, lithium-ion batteries (rechargeable battery & wireless remote) can give off smoke, burst into flames, explode or cause chemical burns.

Disregarding the storage instructions can lead to material damage and personal injury. Therefore: Always observe the following instructions.

- Store the jetboard, battery and accessories only in a clean and serviced condition.
- Always store the batteries (rechargeable battery & wireless remote) separately from the jetboard.
- When placing the batteries into store, observe the recommended state of charge (see Technical data + Battery instruction sheet) and check them regularly.
- Lithium-ion batteries must be stored in dry, cool conditions and protected from strong sunlight (see Technical data + Battery instruction sheet).

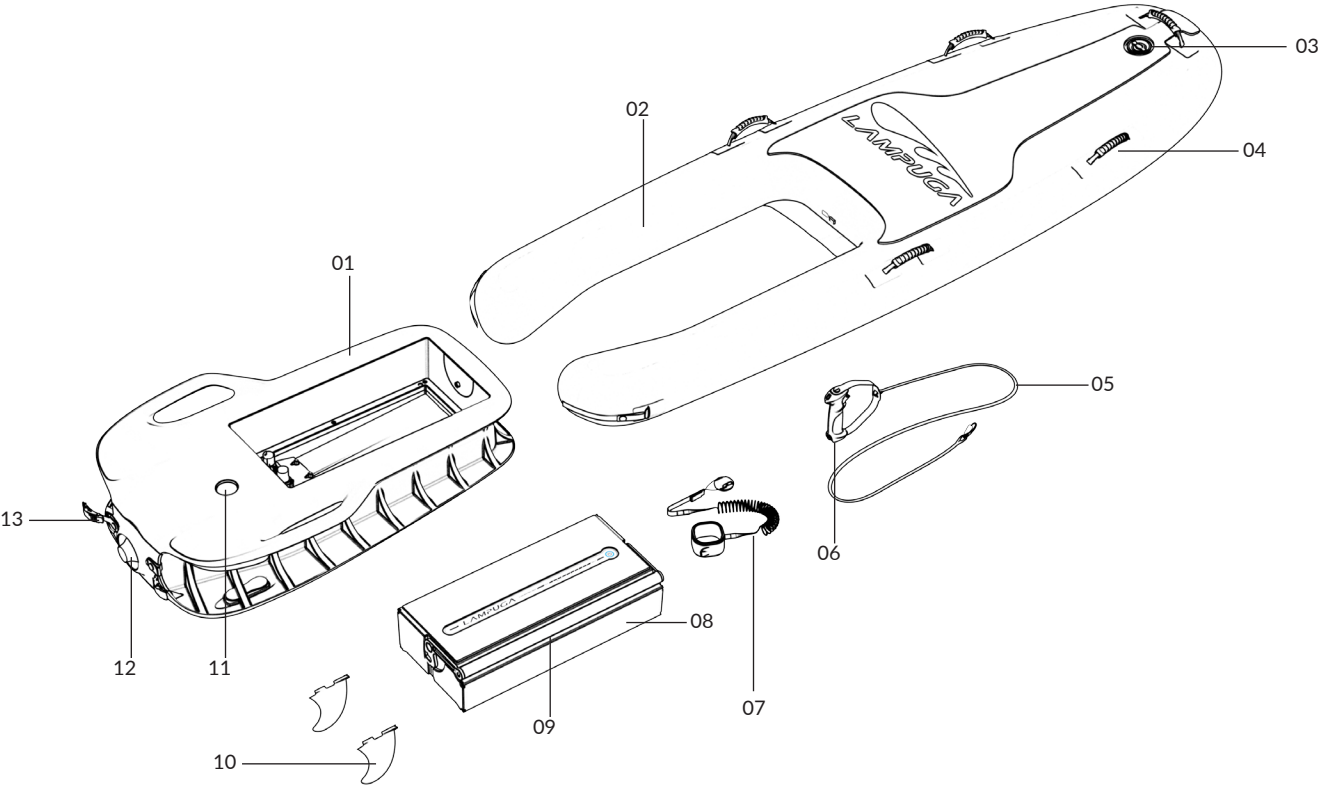


DANGER!

- Avoid having additional combustible materials in the area of the battery and the wireless remote. This will keep the fire load as low as possible during storage.
- Do not store batteries in living and sleeping areas. Keep them out of the reach of children.
- Observe local regulations when storing batteries.
- Damaged batteries or wireless remotes must be stored where they can be monitored. In the event of damage, contact your dealer immediately.
- The user bears sole responsibility for the storage of a damaged battery. Therefore, you must contact your dealer without delay.



05 ASSEMBLY & PREPARATION FOR USE



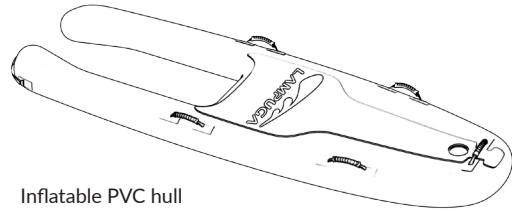
ASSEMBLY & PREPARATION FOR USE 05

Components

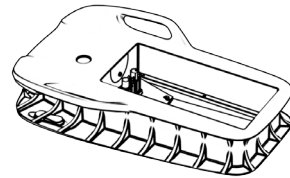
- | | | | |
|----|-------------------------------|----|----------------------|
| 01 | Powerbox | 08 | Exchangeable battery |
| 02 | Inflatable PVC hull | 09 | Battery handle |
| 03 | Valve and valve ring | 10 | Fins |
| 04 | Handle | 11 | Kill switch recess |
| 05 | Tether | 12 | Jet outlet |
| 06 | Wireless remote | 13 | Clamping system |
| 07 | Leash with kill switch magnet | | |

05 ASSEMBLY & PREPARATION FOR USE

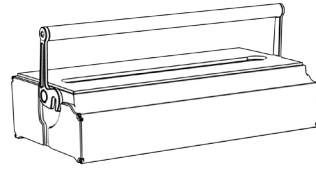
The items included with the LAMPUGA AIR jetboard comprise:



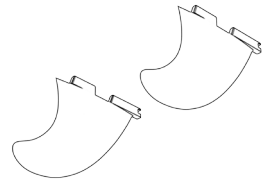
Inflatable PVC hull



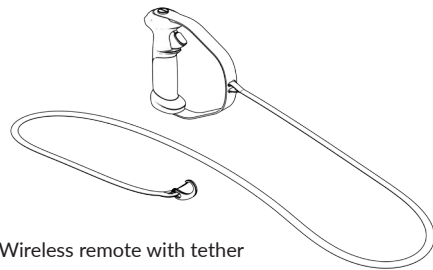
Powerbox



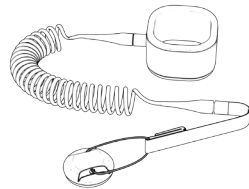
Exchangeable battery



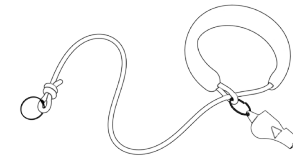
Fins



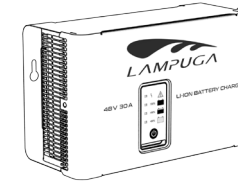
Wireless remote with tether



Leash with kill switch magnet



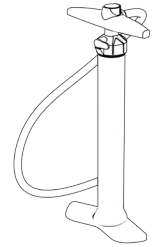
Wristband and whistle



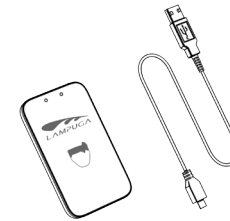
Charger for the battery



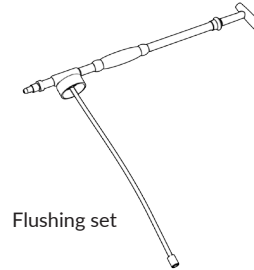
Charging cradle for the battery



Pump



Induction charging station for the wireless remote



Flushing set



Repair kit (PVC hull)



Accessories case

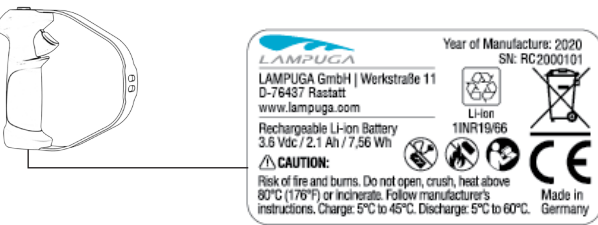
ASSEMBLY & PREPARATION FOR USE 05

05 ASSEMBLY & PREPARATION FOR USE

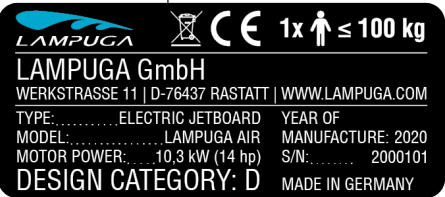
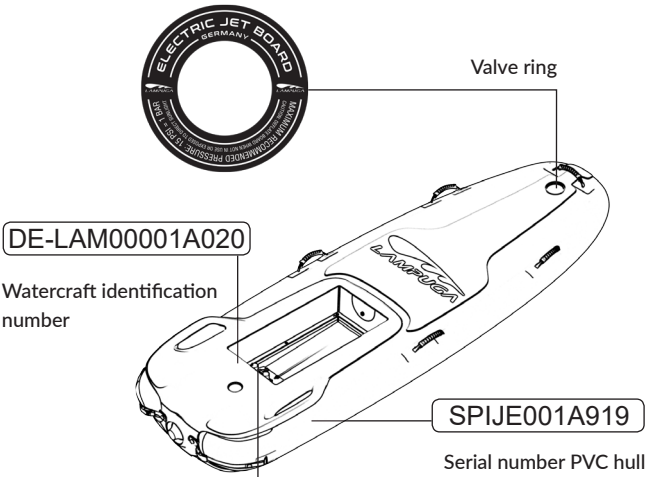
Functional description

The LAMPUGA AIR jetboard is water sports equipment and is driven by an electric motor and a water jet drive. The thrust, effectively the speed of travel, is regulated by the wireless remote. Changes in direction are produced by shifting the weight applied to the jetboard.

Labels on the jetboard, battery and wireless remote

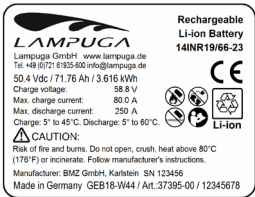


Type label wireless remote

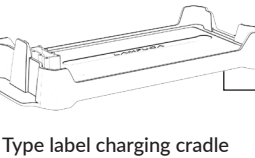
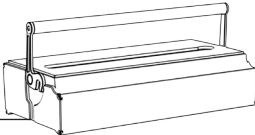


Type label powerbox

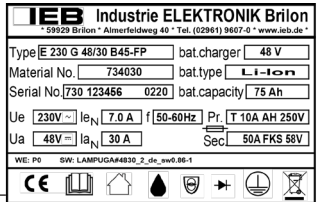
ASSEMBLY & PREPARATION FOR USE 05



Type label battery



Type label charger



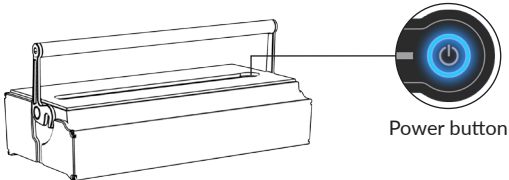
Battery

The jetboard has a lithium-ion battery. This must be charged before the ride and discharges during the ride. The power plug-in connector is on the underside of the battery.

Use the battery only for the purpose described here. If not handled properly, lithium-ion batteries can give off smoke, burst into flames, explode or cause chemical burns.

Switching on/off

Switching the jetboard on and off is done using the power button on the battery and is described in Chapter 6 Operation & riding.



Power button

05 ASSEMBLY & PREPARATION FOR USE

Batteries must never be short circuited, pierced, set on fire, thrown into a fire, crushed, immersed in water when not fitted into the jetboard, forcibly discharged or exposed to temperatures outside the stated operating range of the product (see Chapter 3 *Technical details – Battery*). Do not allow the contacts of the two power plug-in connectors to come into contact with salt water. Salt increases the corrosion of all electrically conductive components and therefore adversely affects the service life of your product.



Material damage and injury to persons from improper handling of the battery. Therefore:

- Regularly treat the plug-in connector with *Kontakt 61* from Kontaktchemie (your dealer will be able to suggest alternative care and cleaning products if necessary).
- Do not allow the unplugged or exposed battery connector to come into contact with water (exception: cleaning and care) or with metallic objects. The plug-in connection must always be made with dry components.
- If a plug-in connector or a seal is dirty, clean or wash it with clean freshwater (not under pressure) and wait until the connector has dried before applying the recommended products.
- Never use a cleaning or care product if it has not been explicitly recommended by the manufacturer.
- Always insert the battery into the powerbox carefully.

ASSEMBLY & PREPARATION FOR USE 05



- Never immerse the battery in water for long periods, even when it is installed, and never immerse it deeper than 0.5 m under water.
- Do not drop the battery.
- Use the battery only for the purpose described here.
- Do not short circuit the battery.
- Use only original batteries.
- Do not switch the battery on until it has been correctly installed in the powerbox.
- Always switch the battery off before you take it out of the powerbox. The battery must always be switched off when it is out of the powerbox.
- Do not subject the battery to high mechanical or electrical loads.
- Do not use the battery if it or the plug-in connector is damaged! Store the battery only in accordance with the instructions and contact your dealer immediately in the event of damage or defects.



- Do not place the battery for an unnecessarily long time in direct sunlight.
- Keep the battery away from fire.
- Check the condition of the battery (including plug-in connector) before you use it - heavy corrosion at the connector contacts can lead to an inadequate seal.
- Further information about the battery can be found in the lithium-ion battery product safety datasheet.
- Pay attention to the state of charge of the battery.
- When charging the battery, use only the charger intended for that purpose and supplied with the product.

State of charge of the battery

You can see the state of charge of the switched-off battery at any time by a short press (< 1 second) on the power button. The appropriate LEDs illuminate to show the state of charge. When the battery is switched on, the LEDs continuously show the state of charge.



CAUTION!

Material damage from improper handling of the charger. Therefore:

- The charger and the charging cradle are not waterproof! Ensure that the battery, the charger and the charging cradle are dry.
- Ensure that there are no contaminants, such as grains of sand etc., on the plug-in connectors.
- Never charge the battery in direct sunlight.
- When charging the battery, do not leave it unattended.

Battery charging process

Charge the battery as follows:

- 1 Before charging your battery, read through the accompanying user manual for the charger. You can find this on our support page (refer to p. 10).
- 2 Switch off the jetboard.
- 3 Before you take the battery out of the jetboard, always empty the water completely from the battery compartment by tipping the jetboard to the side.

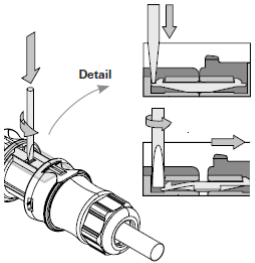
- 4 Prepare the charger by connecting the charging station to the charger using the charging cable and locking the connection. Ensure that the battery and all the plug-in connection components are dry and free of dirt.



NOTE!

Material damage from improper handling of the charging cradle. Therefore:

- A suitable tool (e.g. 3.5 mm screwdriver) is required to release the plug-in connection.



- 5 Insert the battery into the charging cradle and swing the battery handle fully downwards to lock it in place.



ATTENTION!

Danger of crushing when inserting the battery into the charging cradle! Therefore:

- When inserting the battery, keep your hands and feet away from the gap between the battery and the charging station.

05 ASSEMBLY & PREPARATION FOR USE

⑥ If the connected load is less than 1500 W, the output of the charger can be throttled if necessary. If you wish to do this, please contact your dealer.

⑦ The charging process starts automatically. This is signalled by the LED on the charger and on the battery's charge indicator, where the flashing blue LEDs indicate the state of charge.

The state of charge is indicated during the whole charging process. The time taken for a complete charging cycle is around 120 minutes.

If the charging process does not start automatically, restart the process by pressing once on the power button on the battery.

ASSEMBLY & PREPARATION FOR USE 05

⑧ The charging process ends automatically. A fully charged battery is indicated by the green LED on the charger and not by the state of charge indicator on the battery.

⑨ Disconnect the charger's mains plug and then take the battery out of the charging cradle.



NOTE!

The charging process is automatically interrupted if the battery is still too hot after use. After the battery has cooled, press the power button on the battery to continue the charging process.

05 ASSEMBLY & PREPARATION FOR USE

State of charge of the wireless remote

A lithium-ion battery is installed in the wireless remote. Use the wireless remote only for the intended purpose described here. If not treated properly, lithium-ion batteries can give off smoke, burst into flames, explode or cause chemical burns. The battery in the wireless remote is sufficient for about 40 h of operation in active mode and does not need to be charged before every ride. If the state of charge of the wireless remote drops to a low value, the LED on the wireless remote flashes red for 5 seconds after it has been switched on. The wireless remote needs to be charged without delay. If the wireless remote does not switch on, its state of charge may be too low.

Wireless remote charging process

Charging the battery of the wireless remote is done with the supplied induction charging station and its USB charging cable. A suitable USB charger is not included with the product.



ATTENTION!

Material damage from improper handling of the wireless remote. Therefore:

- After use, wash the wireless remote with freshwater and dry it thoroughly.
- Charge the wireless remote only if it has cooled and is dry.
- Never charge the wireless remote in direct sunlight, in the rain or near open water or other sources of water.
- Do not bend the charger cable sharply.
- Pay attention to the state of charge of the wireless remote.
- When charging the wireless remote, use only the charging station intended for and supplied with the product.
- Do not place any other objects on the wireless remote charging station.
- When charging the wireless remote, do not leave it unattended.

ASSEMBLY & PREPARATION FOR USE 05



WARNING!

Danger of material damage and injury from improper use of the charging station. Therefore:

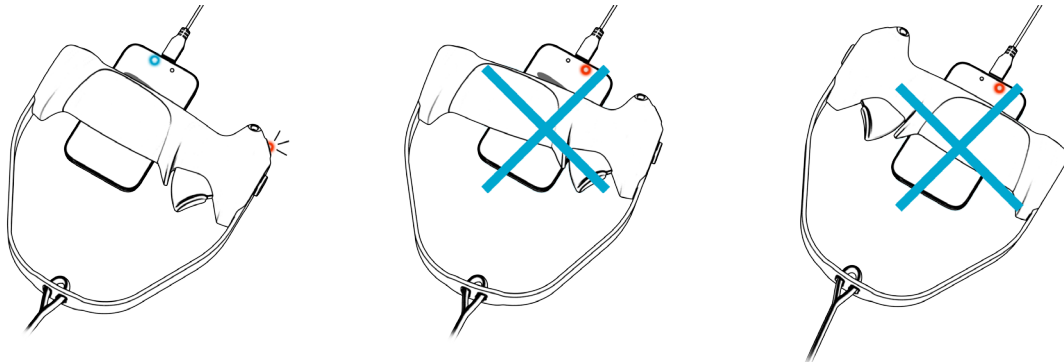
- Do not, under any circumstances, open the charging station housing. This can lead to irreversible damage.
- Avoid using the charging station in damp or dirty surroundings. This can lead to heat, fire or electric shock.
- Do not use the charging station in temperatures outside the intended temperature range (see Chapter 3 *Technical data*).
- Place the charging station on a firm and stable surface. The charging station could be damaged if it falls or is dropped.

05 ASSEMBLY & PREPARATION FOR USE

Charge the wireless remote as follows:

- 1 Ensure that the wireless remote is completely dry. Connect the supplied USB cable to a USB charger (5V, 2A). The LED on the charging station now lights up red.
- 2 Place the wireless remote on the charging station. Ensure the wireless remote is correctly aligned and positioned.
- 3 The LED on the wireless remote flashes red when the charging process begins. During charging, the LED on the charging station lights up blue.

Positioning the wireless remote on the charging station



ASSEMBLY & PREPARATION FOR USE 05

- 4 The green flashing LED on the wireless remote indicates that it is fully charged (charging time: about 3.5 h).
- 5 The wireless remote switches itself off automatically after being taken off the charging station.



NOTE!

An illuminated red LED on the charging station indicates either standby mode or a fault.



NOTE!

You can tell the state of charge by the length of time the red flashing LED lights up. Short flickering indicates a low state of charge; longer flashing indicates a high state of charge. When the wireless remote reaches maximum charge, it switches off and the charging process ends. If the temperature gets too high, the charging process is automatically interrupted and the LED goes out. Restart the charging process when the wireless remote has cooled.

05 ASSEMBLY & PREPARATION FOR USE

Assembling the jetboard

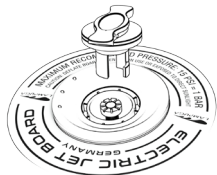
Assemble the jetboard as follows:

- 1 Each time you assemble the jetboard, check beforehand that all the components are in good condition. Good condition is described in Chapter 7 *Servicing*.



NOTE!

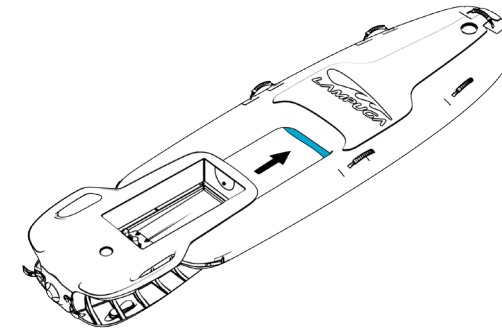
Air can escape if the pin is pressed into the valve. If this is the case, turn the pin anticlockwise until it jumps up.



- 2 Spread out the deflated PVC hull and open the valve cover.
- 3 Attach the pump to the valve and lock it in position by turning it clockwise.
- 4 Pump up the PVC hull slightly (about 20 - 25 pump strokes).

ASSEMBLY & PREPARATION FOR USE 05

- 5 Insert the powerbox from the rear into the PVC hull. The powerbox must sit centrally in the recess and be pushed in fully until it meets the stop on the PVC hull.

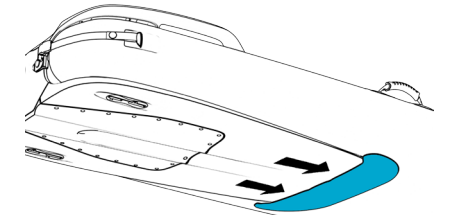


- 6 Now fully pump up the PVC hull (1 bar = 15 psi) and close the valve cover.



NOTE!

When inserting the powerbox, ensure that the front edge of the bottom of the powerbox is pushed between the PVC hull and the overlap (shown in blue in the figure).



ATTENTION!

Incorrect handling of the PVC hull can lead to material damage. Therefore:

- Do not force the two prongs of the forked section of the PVC hull further apart than is necessary, otherwise the overlap could tear.

05 ASSEMBLY & PREPARATION FOR USE

- 7 Now close the clamping system between the powerbox and the PVC hull until the connection is pulled tight.



NOTE!

When fully pumped up, the hull must lie against the powerbox and have no folds or constrictions. A gap, if it is too large, adversely affects the ride.



CAUTION!

Risk of crushing injury when pumping up the PVC hull. Therefore:

- Never insert your fingers between the powerbox and the PVC hull or between the clamping system and the PVC hull.

ASSEMBLY & PREPARATION FOR USE 05

- 8 Attach the tether including the wireless remote by means of the karabiner to the centrally positioned front metal eye on the underside of the PVC hull. The karabiner is on the end of the tether.



CAUTION!

Danger of injury from improper use. Therefore:

- Never use the wristband of the wireless remote together with the tether.



NOTE!

Beginners in particular should ensure that they stand centrally and not too far towards the stern of the jetboard.

It may be better to shorten the cord e.g. by tying a knot in it.

More experienced surfers may separate the wireless remote from the tether. To do this, fasten the wristband to the wireless remote like a hand loop. The wireless remote can then be fastened to the rider's arm to prevent it getting lost.

05 ASSEMBLY & PREPARATION FOR USE

- 9 Click the fins into the mounting slots on the underside of the powerbox. Ensure that both are free of sand. Insert the front end of the top of the fin into the mounting slot and then press in the whole of the fin. The lettering on both fins must be on the outside.



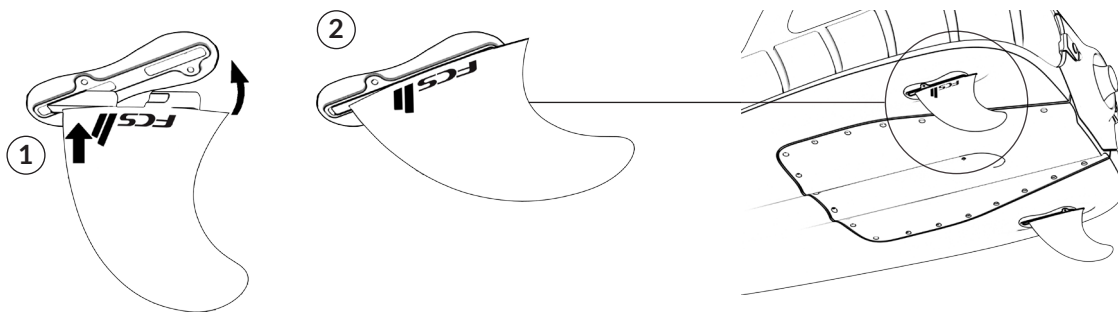
CAUTION!

Risk of injury from sharp edges.

Therefore:

- Work carefully and wear gloves when inserting and removing the fins.

Inserting the fins



ASSEMBLY & PREPARATION FOR USE 05



NOTE!

All other assembly and preparation tasks should be done close to the water's edge because the jetboard weighs around 55 kg with the battery.

- 10 Insert the battery. Proceed as follows:

- Ensure that the plug-in connectors and seals of the jetboard and battery are clean and dry!
- Lift up the battery, always holding it centrally or symmetrically.

III.

Insert the battery into the recess in the powerbox (battery compartment). Ensure that the battery is the right way round (power button in the direction of travel) and that the battery is not at an angle.

IV.

Swing the handle fully downwards until it engages. This automatically takes the battery fully down into the battery compartment. Ensure that the blue loop on the handle faces upwards and remains accessible.

11

The jetboard is now fully assembled and can be used.



06 OPERATION & RIDING



WARNING!

Danger of injury from improper use of the jetboard or riding without suitable personal protective equipment. Therefore:

- Make yourself familiar with and observe the rules and regulations for the use of the local water where you wish to ride your jetboard.
- Do not ride your jetboard carelessly.
- Check that the kill switch leash is securely attached to your ankle.
- Check the jetboard and all components for visible damage before each use. If you find any damage, do not use the jetboard. Refer to Chapter 7 *Servicing* for more about this.
- Before your ride, make yourself familiar with the jetboard.
- Never use the wristband of the wireless remote together with the tether.
- Use the jetboard only in combination with suitable personal protective equipment, see page 18.



WARNING!

Danger of injury from improper use of the jetboard. Therefore:

- Stop the jetboard immediately if you find yourself riding near people swimming.
- Keep a suitable and safe minimum distance from other people (> 100m).
- Do not place other people in danger through your use of the jetboard.



CAUTION!

Risk of burns from hot surfaces heated by the sun. Therefore:

- Avoid direct sunlight.

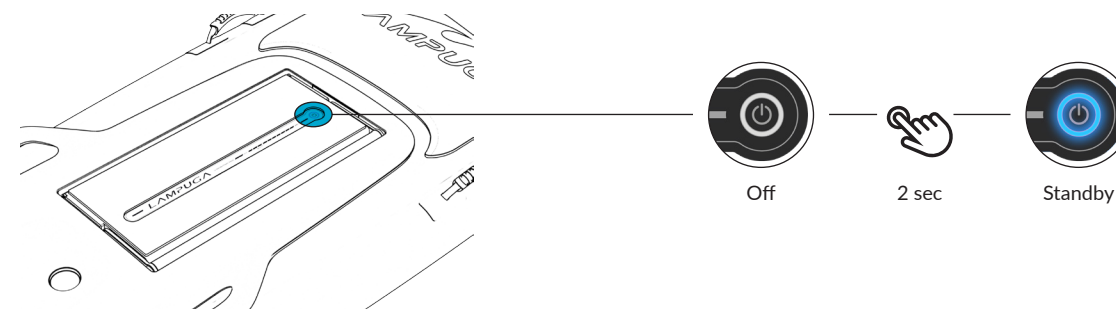
OPERATION & RIDING 06

Switching on the jetboard

Switch on the jetboard as follows:

- ① Place the jetboard in the water and position yourself to the side of the jetboard from which you wish to climb onto it.
- ② Attach the kill switch leash to your ankle.
- ③ Press the power button for 2 seconds. The power button lights up blue and the battery enters standby mode.

Switching on the jetboard



06 OPERATION & RIDING



NOTE!

Ensure you are adequately protected against the sun (sun cream, sports sunglasses etc.) and against water and cold by wearing appropriate clothing (sports wetsuit, neoprene etc.).



WARNING!

Material damage and danger of injury from the kill switch magnet.

The kill switch has a very strong magnetic field. Therefore:

- Keep the kill switch magnet away from other magnets or ferro-magnetic materials.
- Never bring the kill switch magnet close to the wireless remote except for pairing.



WARNING!

Danger of injury from improper use. Not using or incorrectly using a kill switch leads to the danger of injury. Therefore:

- Always wear the kill switch leash on your ankle.



WARNING!

Danger of injury when using the jetboard without suitable personal protective equipment. Therefore:

- Use the jetboard only in combination with suitable personal protective equipment, see page 18.

OPERATION & RIDING 06

Pairing the Bluetooth wireless remote

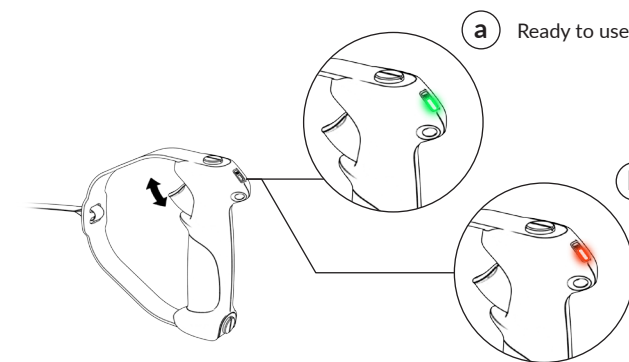
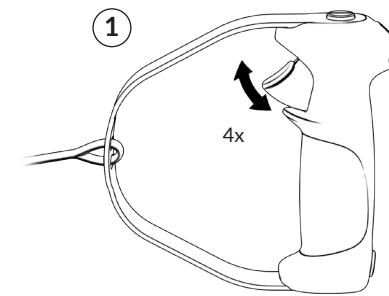
The jetboard is in standby mode. Connect the wireless remote to the jetboard as follows:

- 1 Switch the wireless remote on. To do this, squeeze the trigger 4x, the LED lights up.

- a The LED lights up green if the wireless remote is already paired with the jetboard (or with another activated jetboard).

- b The LED lights up red if there is still no connection between the wireless remote and the jetboard. Continue with the "Pairing" step on the next page.

Connecting the wireless remote

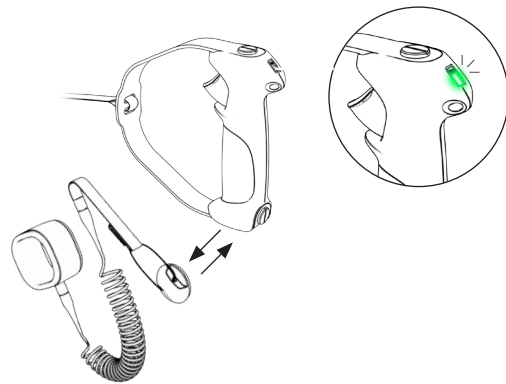


06 OPERATION & RIDING

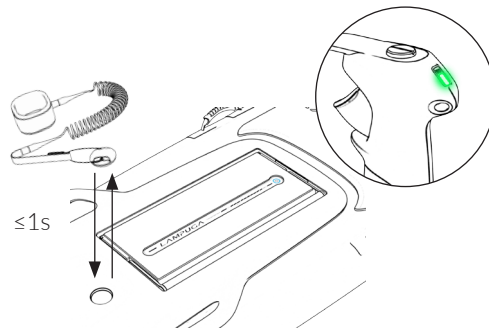
Pairing

- 1 Hold the kill switch magnet under the wireless remote for 1 second (see drawing). The LED on the wireless remote now flashes green. For the next 20 seconds, the wireless remote tries to connect to any compatible jetboard.

Pairing the wireless remote



- 2 Place the kill switch magnet in the recess on the power box for a maximum of 1 second and then immediately pull it off.
- 3 The wireless remote now connects to the jetboard. After successful pairing, the LED on the wireless remote lights up green.



NOTE!

The wireless remote switches itself off automatically if it is not used for a certain amount of time.



ATTENTION!

- Material damage from improper handling of the wireless remote. Therefore:**
- After use, clean the wireless remote (including the trigger) with freshwater.
 - Do not use the wireless remote if it is damaged.
 - Do not subject the wireless remote to high mechanical loads.
 - Do not drop the wireless remote.
 - Do not place the wireless remote in direct sunlight.
 - Keep the wireless remote away from fire.
 - Do not open the wireless remote.

OPERATION & RIDING 06

The LED on the wireless remote signals the following:



The jetboard and wireless remote are not connected. Ensure that the jetboard is switched on and then start the pairing process.



The jetboard and wireless remote are connected, the wireless remote can be used.



a) The wireless remote is in pairing mode. b) The battery is fully charged (on the charging station).



Throttling or warning. See Chapter 8.



a) The wireless remote is being charged (on the charging station) b) The battery is almost empty and must be charged.

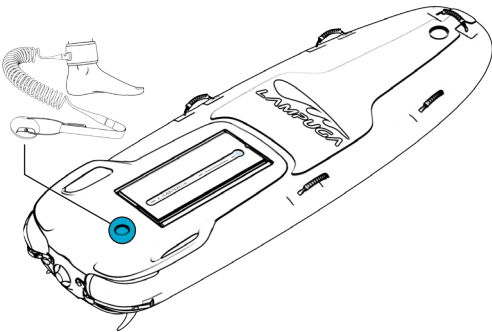
06 OPERATION & RIDING

Riding

The jetboard is now completely assembled (standby mode) and connected to the wireless remote. Start the ride as follows:

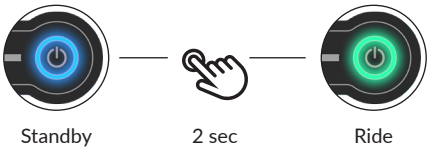
- 1 Before the ride begins, check the state of charge of the battery – do not start a ride if the battery is not fully charged.
- 2 Climb onto the middle of the jetboard.
- 3 Place the kill switch magnet in the circular recess on the powerbox.

Put the kill switch magnet in place



OPERATION & RIDING 06

- 4 Press the power button for 2 seconds. The power button lights up green. The jetboard is now ready for operation (ride mode).



If you press the power button for too long, the jetboard will remain in standby mode.



Pressing the power button again for 2 seconds or pulling out the kill switch magnet puts the jetboard into standby mode. In this mode, the jetboard does not react to the wireless remote. This is how you switch the jetboard between "Ride" (green) and "Standby" (blue) modes.

06 OPERATION & RIDING

- 5 Lie, kneel or stand in a stable position on the jetboard. Keep in mind the risk of falling.



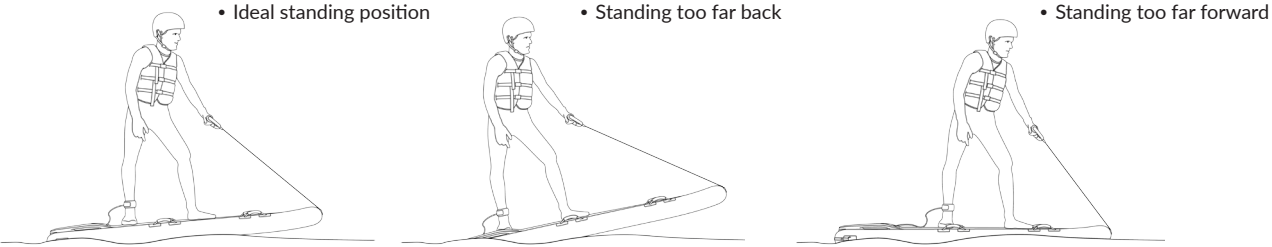
WARNING!

Danger of injury from uncontrolled falling.

Therefore:

- Ride appropriately for the outdoor conditions and your riding skill.
- If a fall is unavoidable, jump off the jetboard to the side or to the stern.

- 6 Using the wireless remote, slowly open the throttle by carefully squeezing the trigger. Do not stand too far back on the jetboard: If the stern goes under the water, it can disrupt the Bluetooth connection.



NOTE!

You regulate the power of the jetboard thrust using the wireless remote. The standing/sitting position, rider's weight, wave height and the battery's state of charge are the main factors influencing the speed of the jetboard.

You steer the jetboard by shifting your weight. Shift your weight to the right and the jetboard moves to the right; shift your weight to the left and the jetboard moves to the left.



NOTE!

Once the battery's state of charge drops to a low value (see battery charge indicator), the jetboard automatically throttles back the power and the LED on the wireless remote flashes alternately green and red. When this happens, make your way back to the bank.

The jetboard has no active brakes. When you stop squeezing the trigger, the jetboard is braked by the resistance of the water.



ATTENTION!

Material damage from improper use. Dirt in the water, sand and other objects can lead to severe wear or even damage to the drive. Therefore:

- Never start or ride in shallow water and always avoid heavily polluted water (e.g. sand, stones, wood, algae etc.).
- Always look out for unusual vibrations or changes in the noise of the drive and, if necessary, stop the ride.
- If you experience a sudden power loss, stop the ride and check the condition of the jetboard on land.
- Regularly check the condition of the whole drive.



ATTENTION!

Material damage from improper use.

The LED indicators on the battery and wireless remote show the state of charge, warnings and faults during the ride. Ignoring these signals can lead to damage to the jetboard or the battery.

Therefore:

- Pay attention to the indicators on the battery and the wireless remote during the ride. Make your way back to the bank in good time.
- To ensure a long service life (number of charging cycles) for the battery, we recommend that you look after its state of charge (do not allow it to become completely discharged).



ATTENTION!

Material damage from interrupted coolant water flow. If the flow of coolant water is interrupted, some jetboard components may overheat.

Therefore:

- Check the coolant water flow each time before you use the jetboard and regularly during use. Do this by holding a finger in front of the coolant water outlet on the stern of the jetboard while squeezing the trigger slightly. You should be able to feel the flow of water.
- If the flow of coolant water is interrupted, stop using the jetboard and contact your dealer.



WARNING!

Danger of injury from falling. Therefore:

- Abrupt braking, e.g. due to user error, defects or the Bluetooth connection being interrupted can lead to the rider falling off the jetboard.
- Always keep in mind the risk of falling.

06 OPERATION & RIDING

What to do in a fall

In a fall, the kill switch magnet detaches from the powerbox, which causes the motor to switch off immediately. The jetboard stops in just a few metres. The jetboard is now in standby mode, the power button lights up blue.

Continue the ride as follows:

- 1 Climb onto the jetboard.
- 2 Place the kill switch magnet back into the recess on the power box and press the power button for 2 seconds.
- 3 The power button lights up green and the ride can be continued.



CAUTION!

Danger of injury from falling from the jetboard.

Therefore:

- Try to make a controlled fall.
- In a fall, let go of the wireless remote if you are using the tether.
- If you are using the wireless remote with the wrist loop, then you should release the trigger only.



CAUTION!

Danger of injury from unintended switch-on.

Therefore:

- Do not place the kill switch magnet back into the recess on the jetboard and press the power button until you are safely back on the jetboard.


OPERATION & RIDING 06

06 OPERATION & RIDING

Changing the battery

Replace a battery with a low state of charge as follows:

- 1 Remove the kill switch magnet from the powerbox. The jetboard switches automatically into standby mode, the power button lights up blue.



CAUTION!

Danger of injury from improper climbing off the jetboard. Therefore:

- Climb off the jetboard only when it is stationary, being aware of the depth of water.

OPERATION & RIDING 06


- 2 Climb off the jetboard and pull it to the bank. Ensure that the fins are not damaged when doing this (take them off if necessary; see step 2 *Switching off and disassembling the jetboard* P. 74).
- 3 Press the power button for 5 seconds
 - The LED on the power button flashes three times and goes out. The jetboard is now switched off.

- 4 Take the battery out. This is done as follows:
 - I. Tip the jetboard on its side to empty any water from the battery compartment. Then put the jetboard back in its original position.
 - II. Using the blue loop, swing the engaged battery handle upwards. This automatically moves the battery slightly upwards.
 - III. Take the battery as evenly as possible out of the powerbox, without tilting it. Please take note: The battery is wet!

- IV. Stand the battery safely on a flat, clean and dry surface.
- V. Check the plug-in connection contacts on the jetboard and battery for dirt.
- 5 Insert a fully charged battery (see *Assembling the jetboard* P. 50 ff.). At this point, you should also check the plug-in connection contacts for dirt, corrosion and damage.

Switching off and disassembling the jetboard
Take the jetboard out of operation as follows:

- 1 Follow steps 1 to 4 in the section *Changing the battery* (P. 72).
- 2 Remove the fins. Press the rear of the fin forward until the fin detaches from the mounting slot.




CAUTION!

Risk of injury from sharp edges.
Therefore:

- Work carefully and wear gloves when inserting and removing the fins.

- 3 Let the air out of the PVC hull by taking off the valve cover and pressing the valve button. By turning the valve button clockwise, it can be locked in the depressed position.
- 4 Release the clamping system by pressing the ratchet and the plastic lever together: The connection releases and the serrated belt can be pulled out of the ratchet.
- 5 Remove the karabiner on the end of the tether from the front underside of the PVC hull.



NOTE!

For a more compact package, the air can be mechanically extracted from the PVC hull. The supplied pump can be used for this.

- 6 Pull the powerbox backwards from the rear out of the PVC hull.
- 7 Perform the steps described in Chapter 7 for cleaning and care of the jetboard.



User-performed servicing tasks

If damage or technical problems are identified, please contact your dealer before the jetboard is used again.

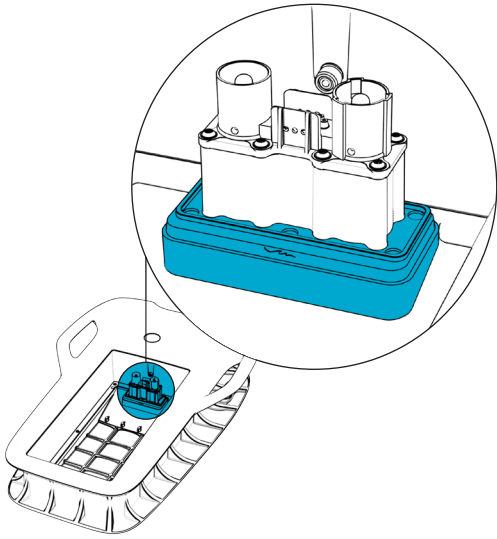


Danger from incorrect handling. Therefore:

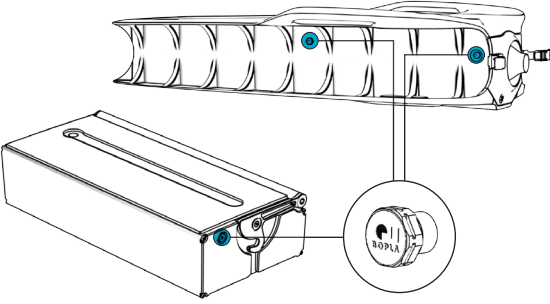
- Before performing any cleaning or servicing, pull off the kill switch magnet and remove the battery.

Task	Servicing interval	Note
Visual inspection of the battery	Before each use After each use	Look out in particular for damage and corrosion of the: <ul style="list-style-type: none">• Housing• Power connectors• Pressure equalisation valve
Visual inspection of the jetboard including all attached components	Before each use After each use	Visual inspection for damage and corrosion of the: <ul style="list-style-type: none">• Wireless remote with tether• Powerbox including pressure equalisation valve, slide ring for the battery lock and splash water seal• Charger including plug, cable and charging cradle

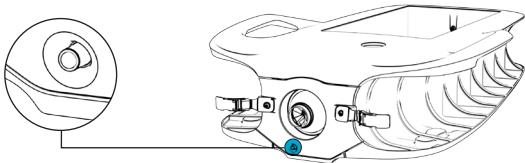
Position of the splash water seal on the power connector



Position of the pressure equalisation valve




Position of the coolant water outlet



07 SERVICING

Task	Servicing interval	Note
Visual inspection of the jetboard including all attached components	Before each use After each use	Visual inspection for damage and corrosion of the: <ul style="list-style-type: none">• Latch including rivets• PVC hull including adhesives and valve• Jet drive including impeller• Leash including kill switch magnet• Unobstructed coolant water flow (refer to p. 69).
Flush coolant system with freshwater	Before first use After each use	Flush the coolant water outlet with at least 2 L freshwater. If necessary, use the supplied flushing set.
Clean jetboard including all attached components with freshwater	After each use	Use freshwater to thoroughly clean the powerbox, PVC hull, wireless remote, fins, kill switch magnet and tether.
Clean and maintain the plug-in power connectors on the battery and jetboard	After each use	Thoroughly clean the plug-in power connectors with freshwater and allow to dry. Once dry, apply contact spray. Recommended product: <i>Kontakt Chemie - Kontakt 61</i>

SERVICING 07




ATTENTION!

Material damage from improper cleaning. Therefore:

- Do not clean the product with a high-pressure cleaner.
- Never come into direct contact with the contacts when cleaning the plug-in connectors on the jetboard and battery.
- Always use ESD-compliant cleaning brushes for the plug-in connectors.
- Never clean the jetboard with acidic cleaners, solvents, oil-containing or aggressive cleaning agents.
- After every use, wash the salt water from all jetboard components.
- If there are foreign bodies on the impeller and they cannot be removed by flushing, contact your dealer.

Servicing performed by the dealer or manufacturer

Task	Servicing interval	Note
Initial check	After 150 operating hours	Performed by the dealer
Annual inspection	After 12 months or 300 operating hours, depending which occurs first.	Performed by the dealer or certified service partner



NOTE!

In addition to servicing at the specified intervals, we recommend a quick check be performed after 50 operating hours or 100 battery recharging cycles. For more information contact your dealer.



08 TROUBLESHOOTING

If faults and malfunctions cannot be rectified by the measures listed here, contact your Lampuga dealer. Do not make any attempts at repair using methods you have devised yourself. Non-observation of the provisions of this chapter will void any claim under the guarantee and warranty.



Risk to life from acting incorrectly when troubleshooting or servicing. Therefore:

- Before performing any cleaning, fault rectification or servicing of moving parts, pull off the kill switch magnet and remove the battery from the jetboard.
- If a fault due to foreign bodies in the jet occurs during a ride, you must pull off the kill switch magnet and paddle to the nearest bank. Once on the bank, you can remove the battery and rectify the fault.



Always take into account the warnings and safety instructions described in this user manual.

TROUBLESHOOTING 08

Possible cause	Remedial action
The power button lights up green, the control light on the wireless remote lights up red, the jetboard does not respond to the wireless remote.	
a) The wireless remote was not paired with the jetboard. b) The stern of the jetboard is under water: the wireless connection between the jetboard and the wireless remote is interrupted.	a) Pair the wireless remote with the jetboard. See P. 62. b) Reposition yourself – stand closer to the front of the jetboard. Heavier riders may find it helpful to start the ride in a sitting position.
The power button lights up green, the control light on the wireless remote lights up green, the jetboard does not respond to the wireless remote.	
Malfunction	Switch off the jetboard completely (press the power button for 5 seconds) and then switch it on again. Check on land that the plug-in connectors are clean and dry.

Possible cause

Remedial action

Power button lights up blue. After pressing the power button for 2 seconds, the colour of the power button does not change to green

- a) Kill switch magnet is not in place

b) Malfunction
- a) Place the kill switch magnet in the circular recess on the powerbox.

b) Switch off the jetboard completely (press the power button for 5 seconds) and then switch it on again.

Power button lights up blue, the kill switch magnet is in place, the control light on the wireless remote flashes alternately green and red, after the power button is pressed for 2 seconds, the colour of the power button does not change to green

- The system detects an increase in moisture, the product switching off prevents it from possible defects.

Switching off can also be triggered when there are extreme fluctuations in temperature.
- If the jetboard does not switch into the ride mode even when fully cooled and dry, it may help to replace the dryer cartridge. For details about this, please contact your dealer.

Observe the servicing tasks and intervals (see Chapter 7).

Control light on the wireless remote flashes alternately green and red, the jetboard moves at reduced speed

- a) The jetboard battery has a low state of charge

b) Drive unit temperature too high

c) Battery temperature high

d) Malfunction
- Ride directly back to the bank

a) Charge the battery if it has a low state of charge (recognisable from the LED bar).

b) Allow the jetboard to cool.

c) The battery temperature reduces very slowly. If possible, replace the battery or stop using it for a while so as not to overstress it.

d) If the malfunction is not rectified by cooling and charging, contact your dealer.

08 TROUBLESHOOTING

Possible cause

Remedial action

Power button lights up red

- a) Battery malfunction

b) Battery overheating

c) Battery state of charge very low
- a) Switch off the jetboard completely (press the power button for 5 seconds) and then switch it on again.

b) Let the battery cool completely in a place where air can circulate around it – Caution! The housing can be very hot.

c) Charge the battery. Do not leave it unattended. If the charging process does not start itself, press the power button on the battery. If this does not rectify the fault, stop using the battery! Contact your dealer! For safety reasons, the battery must be stored in a place where air can circulate around it (but inaccessible to people, protected by a roof, with 2.5 metres safety distance to combustible materials and protected from direct sunlight).

TROUBLESHOOTING 08

Possible cause

Remedial action

Loss of power

- a) Battery low state of charge

b) Foreign bodies (e.g. algae) on the impeller

c) Impeller damaged (e.g. by gravel)
- a) Charge the battery.

b) Switch the battery off, remove the kill switch magnet. Only then can you clean the impeller!

c) Contact your dealer.

Possible cause

Remedial action

Control light on the wireless remote lights up red

The wireless remote is not paired with the jetboard

Check that the jetboard is switched on. Perform the pairing process.

The motor turns even though the trigger of the wireless remote is not pressed

- a) Wireless remote faulty calibration
- b) Wireless remote defective

- a) Contact your dealer. The dealer can calibrate the wireless remote.
- b) Contact your dealer.

The wireless remote does not switch on

- a) Wireless remote state of charge too low
- b) Wireless remote or its LED is defective

- a) Charge the wireless remote. The control light on the charger lights up after a delay.
- b) Contact your dealer.



09 DECLARATION OF CONFORMITY

Original



EG-/EU-Konformitätserklärung

EC-Declaration of Conformity

Der Hersteller

Lampuga GmbH
Werkstraße 11
D-76437 Rastatt

The manufacturer

Lampuga GmbH
Werkstraße 11
76437 Rastatt, Germany

erklärt hiermit, dass folgendes Produkt / herewith declares, that the product

Produkttyp / product type:

Modellbezeichnung / model description:

Seriennummer(n) / serial number(s): **Powerbox**

Seriennummer(n) / serial number(s): **RC**

Baujahr / year of construction:

Jetboard

Lampuga AIR

2000300 - 24009999

RC2000300 - RC24009999

2020 - 2024

den wesentlichen Anforderungen der folgenden europäischen Richtlinien entspricht

corresponds to the substantial requirements of the following European guidelines

2006/42/EG (Maschinen/Machinery)

2014/53/EU (Radio Equipment Directive)

2011/65/EU (RoHS)

2013/53/EU (Sportboote und Wassermotorräder/
recreational craft and personal watercraft)

1/2

DECLARATION OF CONFORMITY 09

und die folgenden harmonisierten Normen für die Bewertung der Konformität angewandt wurden:

and the following harmonised standards have been applied for the assessment of conformity:

DIN EN ISO 12100:2011

Sicherheit von Maschinen – Risikobeurteilung und Risikominderung
Safety of machinery – Risk assessment and risk reduction

Der oben genannte Hersteller hält folgende technische Dokumentation zur Einsicht bereit:

The above-mentioned manufacturer keeps the following technical documentation available for inspection:

Technische Pläne
technical plans

Prüfprotokolle
test reports

Sonstige Technische Unterlagen
other technical documents

Bei einer mit uns nicht abgestimmten Änderung der Maschine verliert diese Erklärung ihre Gültigkeit.

Person, die bevollmächtigt ist, die technischen Unterlagen zusammenzustellen: Nicolai Weisenburger, Lampuga GrbH


Untersigner

Rastatt, 09.07.2020

Ort, Datum

Nicolai Weisenburger, Geschäftsführer

Name, Funktion des Unterzeichners im Unternehmen



Unterschrift

2/2



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