



PRODUCT MANUAL

**THIS BOAT IS IMPORTED BY RADINN, INC (NAPERVILLE, ILLINOIS) AND IS EXEMPT (U.S. COAST GUARD EXEMPTION 21EX0155). THIS BOAT COMPLIES WITH U.S. COAST GUARD SAFETY STANDARDS IN EFFECT ON THE DATE OF CERTIFICATION WITH THE EXCEPTION FOR DISPLAY OF CAPACITY, SAFE LOADING AND FLOTATION STANDARDS. ALL PERSONS SHOULD WEAR A LIFEJACKET (PERSONAL FLOTATION DEVICE) WHILE OPERATING THIS WATERCRAFT.**

Date of Exemption: March 3, 2022  
Date of Expiration: March 3, 2027  
9:17

Applies to jetboards purchased in the U.S. or Canada.

# Our story

Radinn's been making a splash in the EV and water sports industries since 2013. The idea for our fully-electric, virtually-silent jetboards stemmed from a desire to make an eco-friendly alternative to the gas-guzzling watercrafts on the market at that time. w has since gone on to become the world's first mass-produced jetboard company – completely disrupting the market with our innovative design and technology. Today, Radinn has a team of 60 plus talented and passionate employees working out of our HQ in Sweden and our factory in Poland, as well as remotely throughout the U.S.

# Our mission

Our goal is to make surfing possible wherever you are in the world. We've created a thrilling jetboard experience that gives seasoned surfers the chance to discover something new, and surf-dreamers, families, and first-timers the chance enjoy breaks with the best of them.

We want to change the way you explore and play in every body of water. And to help you see your neighborhood with new eyes and turn every lake, river, or beach into your next great adventure.

Instructions for first time use & upgrades

# Jetboard & battery onboarding

## IMPORTANT

All batteries and jetpacks are being delivered with transport settings and have to go through this procedure in order to function properly.



### Insert a fully charged battery into the jetboard

Insert a fully charged battery to your jetboard. **DO NOT** attach the magnetic key at this point.

If you've received a new jetpack, please install this into your jetboard before inserting your battery.



### Download and sign into the Radinn App

Download the Radinn App and register as a new user or login to your existing account. Keep the device in hand and follow the steps in the app.



Scan this to download the app.

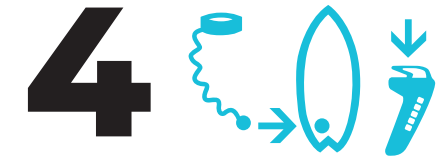


### Unlock and update jetboard and battery

When the board is connected to the app it will scan for firmware updates. When the update is complete the jetpack and the installed battery will be unlocked.

#### Got more than one battery?

Install the new battery and go through steps 1-3 again. Then follow the instructions in the app.



### Start up your jetboard and just go!

Put the magnetic key on your board leash into place. Press the lever on the hand controller. (You'll find these items in the accessory bag). Make sure your hand controller is fully charged. Wait until lights indicate pairing (See manual), then press the lever again to give throttle to the jetpack. Enjoy!

# Congratulations on your new Radinn jetboard!

You are now the owner of the world's most advanced electric powered jetboard. The jetboard is a powerful personal watercraft designed to push the boundaries of the extreme sports industry. We at Radinn are extremely proud of what we have accomplished with the Radinn jetboard and we hope that you will soon be out in the water discovering for yourself the incredible joy of shredding completely independent of any boats, winds or waves.

However, before you head out into the water we ask that you take some time to read this manual thoroughly. As we all know, with great power comes great responsibility. If not operated correctly, the jetboard could cause harm to yourself, people nearby and/or the surrounding environment. This manual is prepared to give you all the information you need to enjoy the jetboard in a fun and safe manner.

Last but not least, the Radinn team would like to wish you countless hours of joyous, thrilling adventures with your new jetboard.

All the best,  
The Radinn Team

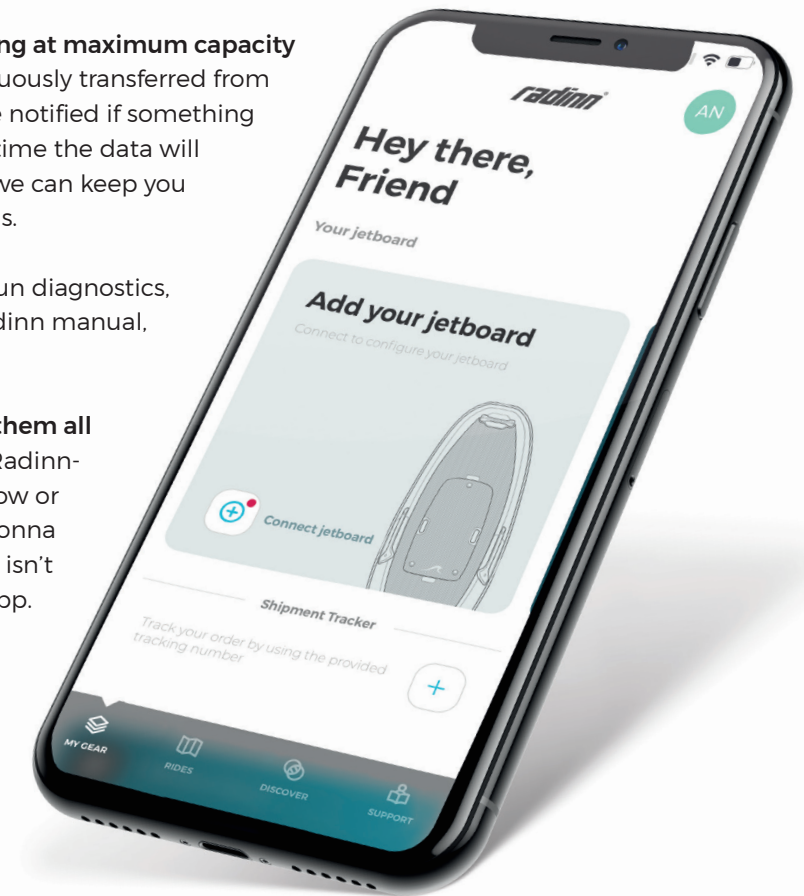
## Connected control

**Keep your board happy and working at maximum capacity for a long long time.** Data is continuously transferred from your board to the app and you'll be notified if something is out of the ordinary. At the same time the data will automatically be analysed so that we can keep you informed on potential service needs.

You can also check battery levels, run diagnostics, optimize your battery, read the Radinn manual, and much more.

**Set your own limits – or eliminate them all together.** Power up or down your Radinn-board via the app depending on how or where you want to ride. Or who's gonna ride it. Make sure the magnetic key isn't connected if you want to use the app.

Download the Radinn app  
from your app store





# Radinn Product Manual

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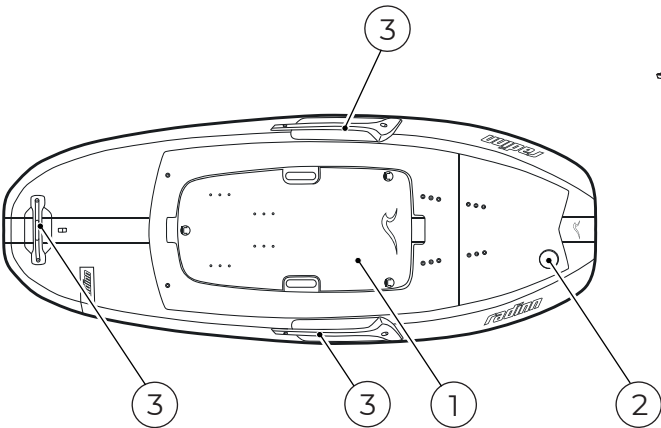
### 75 Disposal

- Disposal of the Radinn Battery and all the other parts of the jetboard

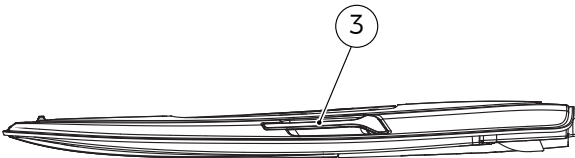
# Product overview

Top view

- 1 Battery
- 2 Magnetic key holder
- 3 Handle

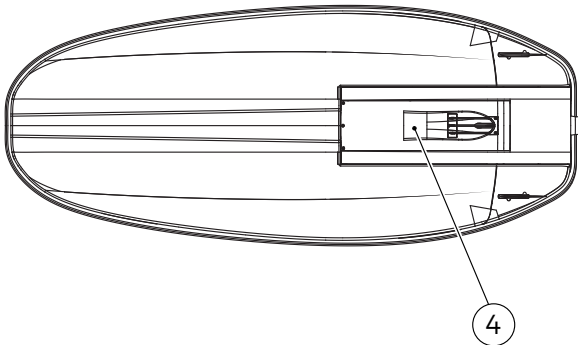


Side view

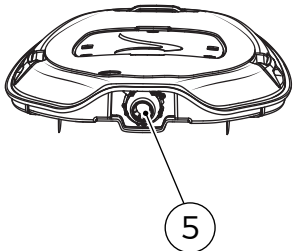


Bottom view

- 4 Jet intake
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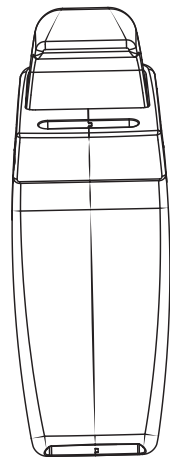


Back view

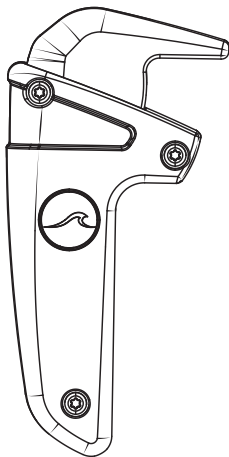


# Product overview

Hand controller – front

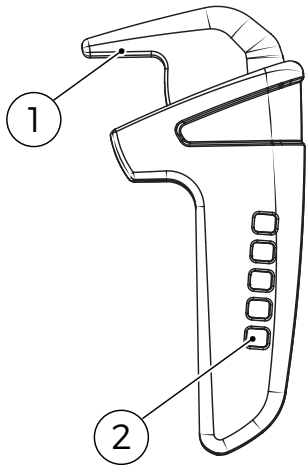


Hand controller – left side

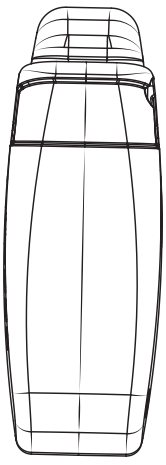


Hand controller – right side

- 1 Throttle lever
- 2 LEDs



Hand controller – back

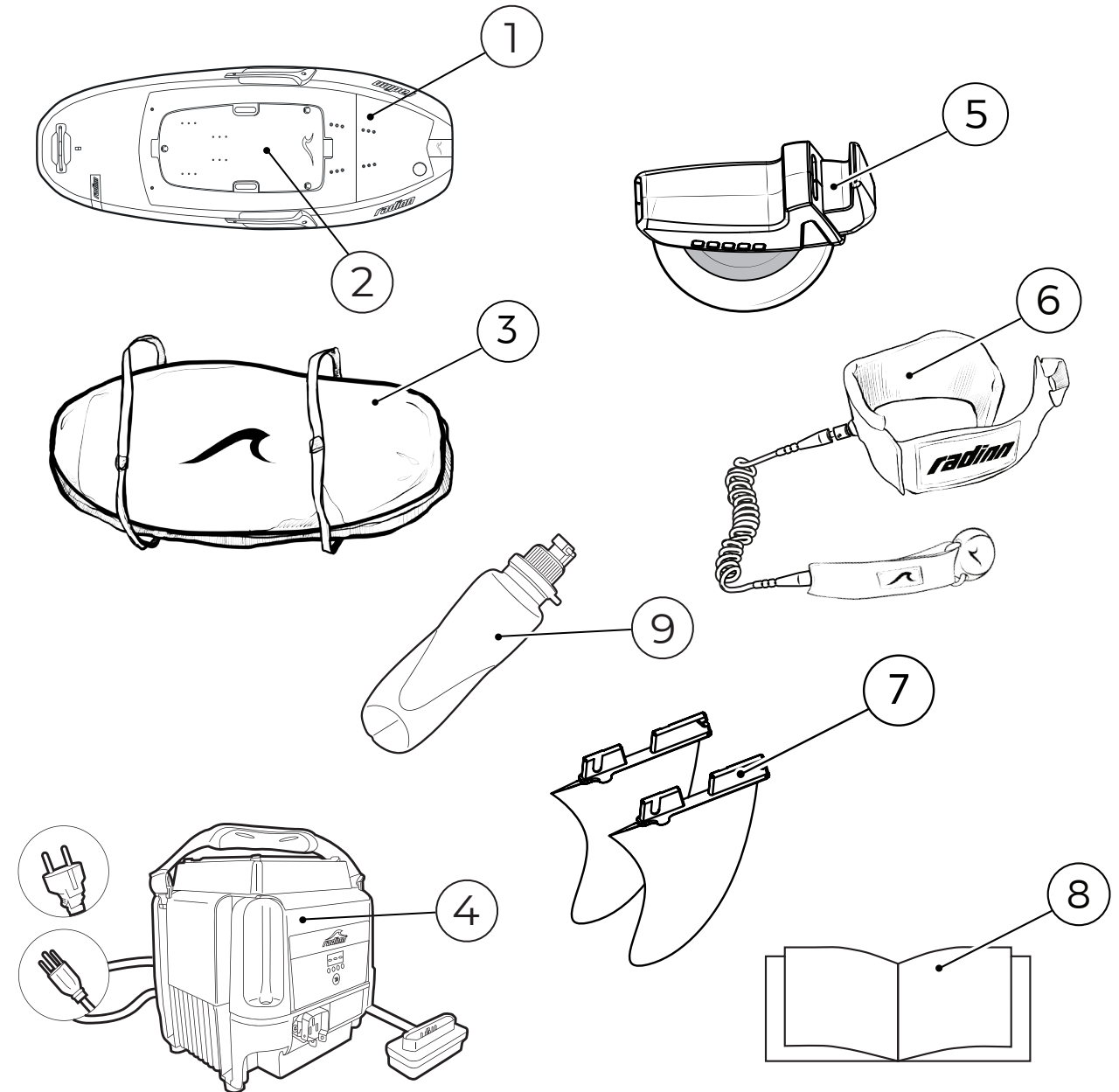


# Product overview

## Standard delivery

The following components are included in the standard delivery:

1. Radinn® Jetboard with
2. Radinn® Battery
3. Radinn® Board bag
4. Radinn® Universal Charger
5. Radinn® Hand controller with charger
6. Radinn® Magnetic key with leash
7. Radinn® Fins, optional accessory
8. Radinn® Manual
9. Radinn® Rinse bottle





# Important information



**WARNING!** If you suspect that the battery connector has been in contact with water, or if the battery in any way looks damaged, do not connect the battery to the board! Please contact Radinn immediately for more information.



Visit [radinn.com](https://www.radinn.com)

Before you jump into the water and experience your very first ride on the jetboard – we urge you to carefully read through this Manual. It is of uttermost importance that you understand and follow the operation and safety instructions for this very powerful product.

The Jetboard is safe to operate, in line with the latest industry standards. However, the jetboard is also a powerful electric vehicle and can cause serious injury and/or death to you and/or others if operated in misconduct. We therefore insist that you, in detail, read the safety information and the operation instructions.

The following symbols are used in this Manual to bring attention to information of great importance:



**Caution!** Danger of injury and/or death. This symbol indicates that operating the jetboard involves risk of injuries and/or death to the operator and/or other people.



**Stop!** If not implemented correctly it may cause damage to your jetboard and/or other/s property.



**Information!** Instructions for operation, maintenance, service and/or other guidelines.

# Disclaimer

Radinn AB strives to continuously re-innovate and keep the jetboard updated in line with the latest in technological breakthrough, with regards to technology, components, software, electronics as well as, but not limited to, design, materials and composites. Therefore, Radinn AB reserves the right to change, remove, modify or in any other way alter the above characteristics as described in this Manual at any time without prior notice. Characteristics and functions described and illustrated in this Manual may therefore vary, differ or be incorrect. Radinn AB does not take any responsibility, to the extent prohibited by law, for any loss of business profits, damage, injury and/or death arising directly or indirectly from use of, or inability to use of, the information, illustrations and/or instructions in this Manual. Even though Radinn AB strives to provide as correct and up-to-date information, illustrations and/or instructions as possible - after the best of our knowledge and capacity - there are risks involved in the use of the jetboard. Radinn AB reserves therefore also the right to change, alter, remove or add information, instructions and/or illustrations in this Manual at any time without prior notice.

The Radinn jetboard is a highly qualitative product, engineered with state-of-the-art technology, composites and showcase the cutting-edge of professionally hand-crafted

electric vehicles. Nevertheless, using the jetboard in an unintended fashion, irresponsibly, or even by chance, may cause injury to, or death of, the operator and/or other persons. Also, other property of the operator or other people may be destroyed and/or damaged. Radinn AB therefore, to the extent prohibited by law, does not take any responsibility in injuries, death, loss of profit, damage or destruction by any property, natural environments, as a direct or indirect result of operating the jetboard. The jetboard, as any electric vehicle, shall be used responsibly, with respect and in line with the safety information and operation instructions.

Keep this Manual in a safe and easily accessible place for reference whenever needed.

You can also log into [www.radinn.com](https://www.radinn.com) to reach the information online - with reference videos, illustrations and updated information and instructions. You can also communicate with us by e-mail, phone, through our partner retailers, and/or through social media.

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# Warnings and Special Safety Information on the Radinn Jetboard

- **CAREFULLY** read the manual before handling, preparing, charging and operating your jetboard!
- Suitable **ONLY** for good swimmers aged 16 years or older!
- **ONLY** connect/disconnect the battery when the product is at a safe distance from water.
- **ALWAYS** disconnect the battery during transport and/or when not intending to operate the jetboard.
- **ALWAYS** put on the protective connector-cover when the battery is disconnected from the jetboard.
- **ALWAYS** wear a coast-guard approved life-jacket and helmet when operating the jetboard in water!
- **ALWAYS** maintain distance and low speed when close to people or objects (minimum 20 meters with slow speed)!
- **ALWAYS** wear tight-fitting swim-wear and/or a tight-fitting wet-suit!
- **ALWAYS** wear bathing cap and/or hair net if hair is shoulder length!
- **ALWAYS** observe the battery state through the Hand controller and return to shore with good margins of remaining battery power.
- **ALWAYS** follow local laws and regulations!
- **ONLY** use in sheltered waters with life-guard and rescue boat near and stand-by.
- Do **NOT** put body parts and/or other objects in open holes such as jet-propulsion intake or exhaust. Rotating parts!

- Do **NOT** use in environments with strong water currents, heavy swells, bad visibility and/or floating objects in water!
- Do **NOT** use in environments with heavy debris – waste, sea weed, driftwood etc.
- Do **NOT** use in environments occupied by swimmers and divers!
- Do **NOT** store in direct sunlight and/or closed vehicle!
- The jetboard is **NOT** intended for using as swimming aid!
- Do **NOT** connect the battery if the jetboard is exposed to water – for example, if on water, if it is raining outside, or if water is inside!



**WARNING:**

Always operate the jetboard responsibly, with caution and in accordance with our safety information and operation instructions. Do **NOT** operate the jetboard if the board or any of its parts, components or accessories are damaged – for example, if cracked, leaking, punctured, bent, distorted or malfunctioning in any way. Do **NOT** use if the jetboard has been disassembled and/or reassembled by anyone other than a Radinn authorized technician. Do **NOT** connect the battery in or close to water. Do **NOT** expose the jetboard, the battery or the charger to heat (max. 40 °C/104 °F) – caused for example by open fire, direct sunlight, or storage in a vehicle or a very warm enclosure. If overheated the battery may cause high pressure flaming gas, causing explosion and fire, resulting in severe injury or death.

## Warnings and Special Safety Information on the Radinn Battery

- **CAREFULLY** read the manual before handling, preparing, charging and operating your jetboard and Radinn Battery!
- Do **NOT** expose to temps above 40 °C/104 °F or below -5 °C/23 °F.
- Do **NOT** store in sunlight, close to open fire, in a motor vehicle or small and warm enclosure!
- Do **NOT** short circuit!
- Do **NOT** break open or disassemble!
- Do **NOT** throw, drop, puncture, slide or in any other way damage your battery! **HANDLE WITH CARE!**
- Do **NOT** submerge in water or other liquid!
- **ONLY** charge with the official Radinn Universal Charger that is delivered with the product!
- **ALWAYS** disconnect the battery from the charger when the battery is fully charged.
- **ALWAYS** handle the Radinn Battery with care.
- **ALWAYS** put on the protective connector-cover when the battery is disconnected from the jetboard.
- **ALWAYS** disconnect the battery during transport and/or when not intending to operate the jetboard.
- **ONLY** connect/disconnect the battery in dry locations unexposed to water or liquid!
- **ONLY** charge in dry areas with safe distance from water or liquid!
- **CAREFULLY** observe instructions of charging, discharging, storage and transportation!

- Do **NOT** leave the charger connected to the battery if not actively charging or optimizing.
- Do **NOT** store the battery in the jetboard since this will deeply discharge the battery which will permanently destroy the battery cells (warranty void).



### **WARNING:**

Always use the jetboard and the Radinn Battery responsibly, with caution and in accordance with our safety information and operation instructions. Do **NOT** operate the jetboard or use the Radinn Battery if the board or any of its parts, components or accessories are damaged – for example, if cracked, leaking, punctured, bent, distorted or malfunctioning in any way. Do **NOT** use if the jetboard has been disassembled and/or reassembled by anyone other than a Radinn authorized technician. Do **NOT** connect the battery in or close to water. Do **NOT** expose the jetboard, the battery or the charger to heat (max. 40 °C/104 °F) – caused for example by open fire, direct sunlight, or storage in a vehicle or a very warm enclosure. If overheated, the battery may cause high pressure flaming gas, causing explosion and fire, resulting in severe injury or death.

# Warnings and Special Safety Information on the Radinn Universal Charger

- Carefully read the manual before handling, preparing, charging and operating your jet-board, the Battery and the Radinn Universal Charger!
- Do **NOT** expose to direct sunlight!
- **ALWAYS** disconnect the battery when not actively charging it.
- Do **NOT** open, disassemble or re-assemble!
- Use only when connectors on Radinn Battery and Radinn Universal Charger are clean and dry!
- Never use if cables and/or plugs are damaged!
- Charge only in dry, cool and well ventilated locations!
- Do not cover! Ensure free air circulation!
- The Radinn Universal Charger may heat up during charging. Ensure that it has good time to cool down before handling!
- Do **NOT** charge the battery in or close to water!
- **ALWAYS** handle the charger with care.



## **WARNING:**

Always operate the Radinn Battery and Radinn Universal Charger responsibly, with caution and in accordance with our safety information and operation instructions. Do **NOT** use the Radinn Battery and Radinn Universal Charger if any of its parts, components or accessories are damaged – for example, if cracked, leaking, punctured, bent, distorted or malfunctioning in any way. Do **NOT** use if the charger has been disassembled and/or reassembled by anyone other than a Radinn authorized technician. Do **NOT** cover the charger. Do **NOT** connect the battery and charger in or close to water. Do **NOT** expose the jet-board, the battery or the charger to heat (max. 40 °C/104 °F) - caused for example by open fire, direct sunlight, or storage

in a vehicle or a very warm enclosure. If overheated the battery may cause high pressure flaming gas, causing explosion and fire, resulting in severe injury or death. Do **NOT** connect the charger if there is any visual or suspected damage to connectors, cables, electronics or hardware. The Radinn Universal Charger and Radinn Battery can cause severe injury or death if used irresponsibly or outside the operating instructions and safety information.



# General Safety Information Concerning the User

- **ALWAYS** adhere to local laws, rules and regulations!
- Inexperienced swimmers are recommended to not use the jetboard.
- The jetboard, like any other motorized vehicle, must be used with great respect and caution. It is a vehicle, not a toy!
- Individuals with pacemakers are recommended to not use the jetboard. The electric motor and cables carrying high-currents may create a strong magnetic field that can severely damage the pacemaker and consequently result in death.
- Pregnant women are recommended to not use the jetboard. Falling off can cause severe injury to the abdomen.
- Never use the jetboard while under the influence of alcohol, medication or drugs. Your ability to react quickly, your strength and endurance may be considerably inhibited in an emergency situation.
- Never use the jetboard unless feeling completely healthy. Your ability to react quickly, your strength and endurance may be considerably inhibited even when only having a cold.
- Only wear tight-fitting clothing without loose-hanging straps or items. If your hair is shoulder length or longer, always wear a swimming cap or hairnet. The jetboard's jet-propulsion-system is very powerful and creates a strong suction. The jet is equipped with bars to protect as large an area as possible without affecting the jetboard's performance. Yet, there is always a risk that long-hanging clothing, straps, hair or similar

- can get sucked in. Should this occur there is risk of injury.
- Always wear a coast-guard approved life-jacket and helmet whenever out riding the jetboard. Be aware of your distance to shore and make sure that you are in short enough distance to shore that you can swim in the case of an emergency. Be aware of currents, changing weather and waves.
  - Never use the jetboard alone and only if there are individuals with a proper rescue watercraft on stand-by.
  - Make sure that your Hand controller and Radinn Battery is properly charged before heading out. Be attentive so that you always have enough battery power to reach back to shore.
  - **ALWAYS** wear your magnetic safety leash. If the magnetic safety leash is not properly attached to the rider, the jetboard risks injuring other people and/or property.
  - Never connect/disconnect the battery when the jetboard is in water. Always connect/disconnect the battery in a dry location without risk of the product falling in the water. If water enters the connectors it can result in a short circuit that can damage the product and in the worst case cause severe injury and/or death. Always put on the protective connector-cover when the battery is not connected to the jetboard, both on the board and on the battery to ensure that it is clean, dry and safely kept from other objects that can damage the connectors.

# General Safety Information Concerning the Radinn Jetboard

- Always make sure to prepare the jetboard outside of the water. It is important that the Radinn Battery is **ONLY** connected in a dry area.  
If connected in or near water there is always an inherent risk of short circuits which can result in severe damage, injury or death.
- After riding, always tilt the jetboard to allow for water to drain properly. Make sure no water enters the board's connector while draining.
- Make sure not to reach into the jet and remove sea grass or similar in the jet with your hands. There is a high-speed rotating impeller inside the jet that can cause severe injury. Make sure that there are no other people, such as kids, nearby that can reach into the jet.
- Be careful to ride where there is no or little chance of sea grass or similar debris to get into the system. If this would occur, **NEVER** try to remove this while the jetboard is still in water and the magnetic safety leash is attached to the board.
- If there is any dirt, sand, rope, stone, sea grass or foreign objects in the jet channel or the jet, do **NOT** ride the jetboard. The procedure of removing the debris is simple, make sure that the magnetic safety leash is removed and **NEVER** use your hands or body parts to remove it. If unsure how to remove any debris, please contact your closest authorized Radinn representative or retailer for assistance.
- Never leave the jetboard unattended creating a risk that kids or other inexperienced people unintentionally or intentionally start it, use it and



**WARNING:**

if stored too long in direct sunlight the Radinn Battery can discharge flaming gases and result in explosions and fire, resulting in injury or death.

risk injury of themselves or others. Always bring your magnetic safety leash with you to prevent accidents or unauthorized use.

- The jetboard is a light-weight product relative to its power, autonomy and speed. Yet, dropping the jetboard on objects or individuals can result in damage and/or injury of the jetboard and/or other objects and individuals.
- Always place the jetboard in shade or out of direct sunlight. Remember that the jetboard holds internal batteries that risk getting hot. If the batteries are exposed to severe heat, the jetboard and its accessories can get damaged. Even worse,
- Never leave your jetboard unattended in the water. If you leave it for a short while, remember to have oversight so that the jetboard cannot become unattached, injure others, be used by others or be in the way of people, boats or objects.
- Remember to **NEVER** detach or remove the battery while the device is in the water. Always take precautions to prevent the high-current connecting plates on the battery and the jetboard from coming into direct contact with the water. If this occurs, a short circuit may result, causing irreparable damage to the jetboard's electronic system.
- Water, especially salt water, is highly conductive of electricity. As a result, a short circuit can result in the battery discharging flaming gases that can cause explosion and fire, resulting in injury or death.

# General Safety Information Concerning the Radinn Jetboard – continued

- Before connecting the Radinn Battery to the Radinn Universal Charger, make sure that the charging connector and battery connector are clean and dry. Wet and/or dirty connections with the battery and charger may cause a short circuit to occur - which can result in damaged battery electronics, fire and explosions, resulting in severe injury or death.
- Before operating the jetboard, make sure that the battery is securely connected to the board.
- Never stick objects into holes, openings, connectors or other parts of the product. This may damage the components, parts or board.
- Never try to service or repair anything other than what is clearly specified. Service may only be carried out by an authorized technician in order to ensure safety of yourself, your envi-

ronment and the jetboard. Due to its modular design it is unlikely that the entire jetboard will have to be shipped to one of our facilities for service or repair. It is much more likely that an authorized Radinn retailer, dealer or distributor can replace any damaged/broken component so that you can be out in the water again in no time. Please do not try to repair, service or maintain anything yourself – for your own and your environment’s safety. Service beyond recommended user maintenance by anyone other than an authorized Radinn technician will void your product warranty.

- Never alter or modify any part of the jetboard. Doing so may result in severe injury or death, as well as damage or destruction to your and others property.
- If you detect any damage to your jetboard,

especially to the battery, charger, charging connectors, seals or closing mechanism, immediately stop operating the device and contact the manufacturer and/or your authorized Radinn dealer.

# General Safety Information Concerning Operating the Radinn Jetboard

- Operating the jetboard is always at your own risk. Operators do not afford any special rights. It is a powerful vehicle that must be operated with respect, care and precaution according to the safety instructions and the operating manual – no matter the experience level.
- Only use the jetboard in sheltered waters that is accompanied by at least one other person equipped with a powered watercraft suited for rescue and under constant supervision of this individual. You as a rider always need to have someone who can provide you with immediate assistance in case of emergency – no matter the level of experience.
- Use caution when operating the jetboard in strong water currents, strong winds, shallow water, bad weather, narrow water ways or other areas where risks are imminent.
- Never use the jetboard in a thunderstorm. Get out of the water as quickly as possible if you catch yourself in a weather situation that might turn into a thunderstorm. Not doing so may cause serious injury or death. Always be prepared for a sudden change in weather and maintain good oversight of the weather forecast before you start riding. Pay close attention to local weather conditions and swimming recommendations and/or restrictions.
- Use caution when using the jetboard in heavy swells or waves. The jetboard can cause severe injury to you and others. You may be separated from the jetboard and it can/may be thrown with great force onto you, others or objects – especially when in the surf.
- To minimize the risk of damage and/or injuries, use the Radinn app to select an appropriate ride mode.

- To brake, just release the thrust of the Radinn Hand controller. The motor will stop spinning and the force of the water reaching the non-spinning impeller will force the jetboard into a halt. Remember to prepare for breaking and that it can take up to 30 meters to come to a complete stop if running in maximum speed. It might even be longer if falling off the jetboard. Therefore, always be careful not to ride directly in line towards an object or individual. It can damage the jetboard, the object and/or yourself and other individuals. Be sure to let go of the thrust on the Hand controller gradually, so that you can reach your destination safely.
- If the jetboard comes to a stop due to the rider falling off the board, it can continue for more than 30 meters in rare occasions. Be careful so that you never ride in shallow waters, close to other objects, property, swimmers, people or

anything that can damage yourself, others, your property or others as well as the natural habitat you are riding in. Be careful and only go in full speed/throttle when you have a clear view of at least 500 meters ahead in good weather conditions.

- Do not use the jetboard in areas occupied by swimmers, divers, docks, harbors, or where others property is at risk. If doing so is absolutely necessary to get out in a riding area, make sure you lay on your stomach and ride at maximum 5 knots.



## General Safety Information Concerning Operating the Radinn Jetboard – continued

- Always avoid routes that are occupied by watercrafts, water sport products or other jetboard riders. The jetboard is an extreme sports product that can be more difficult to control than a normal watercraft. Therefore, always be sure to go in a safe and slow manner when passing, meeting or riding away from other watercrafts and/or water sport articles, as well as objects and swimmers. Other water crafts may be approaching fast and appear suddenly. Keep an eye on your environment and what is happening farther up ahead. Beware of potential collisions!
- The jetboard is not equipped with lights and is therefore unsuitable to operate during night, in early mornings, or late evenings. Never operate the craft after sunset or before sunrise. Doing so can put yourself and others in danger and collisions with other watercrafts, obstacles or individuals are imminent.
- Do not operate the jetboard in water that is less than 1,5 meters deep. Doing so can result in severe injury to yourself, others and your jetboard – as a result of hitting underwater objects. Stay away from rocky bottoms, coral reefs and other dangerous areas where a fall can result in severe injury. Never attempt to steer the jetboard directly up to shore. You may fall onto land and injure yourself and others severely. Be very careful not to ride the jetboard too fast when getting close (30 meters) to shore.
- The operating time of the jetboard is limited to the battery capacity. Therefore, you must always keep an eye on your battery level indicator as communicated on your Radinn Hand controller. Always return to shore with some margin. Never attempt to deplete the entire battery. It can be dangerous and is unhealthy for the Radinn Battery.

- When the jet board battery is nearly depleted the last LED on the Hand controller will be lit. At this point, it is high time to plan your return to shore.
- When the last LED starts flashing (Hand controller buzzer will engage as well), return immediately to shore. The remaining ride time varies on several factors such as rider weight, rider style, board shape (buoyancy), and battery temperature. Always make sure you have enough margin to return to shore.
- Please note that the Hand controller buzzer will also engage if the Hand controller state of charge is running low (return immediately to shore). Hand control state of charge can be checked when the magnetic key leash is disengaged from the jetboard.
- Please note that the jetboard will enter a “limp home mode” (low power output) at the end of the jetboard battery’s state of charge. This is normal behavior and no indication of error. The purpose is to limit energy usage while maximizing the remaining ride time, providing additional means for the rider to reach the shore.
- In most instances, the general personal liability insurance of any rider does not cover property damage caused by the direct or indirect use of the jetboard. Before using the jetboard, please make sure to contact your insurance agent and research your insurance policy for coverage cases involving damage, injury and even death. It can be overwhelmingly expensive if you damage someone else’s property. We urge you to think twice before riding anywhere with a possibility of damaging anyone’s property.

# General Safety Information Concerning the Radinn Battery

- Never expose the jetboard or the Radinn Battery to high temperatures (max. 40 °C/104 °F) – caused for example by: open fire, direct sunlight, or storage in a very warm and small enclosure such as a motor vehicle. If exposed to excessive heat as mentioned above, the cells can discharge flaming gases and cause explosion or fire resulting in severe injury or death to you and others.
- International regulations and laws on lithium-ion batteries may cause inconveniences, difficulties or impossibilities of transporting the Radinn Battery. Commercial airlines might may not carry large lithium-ion batteries. Please contact your local carrier for information with regards to shipments and transportation of the Radinn Battery.
- For use under normal conditions the cells contained within the Radinn Battery are encased and protected to ensure safe storage in any position. **PLEASE NOTE:** It is possible that the connectors could be exposed to water and can, if wet, result in a short-circuit damaging your battery. **NEVER** connect the battery to the jetboard if there is reason to suspect that water has entered the connectors. **ALWAYS** put on your protective connector-cover on the battery **AND** the jetboard as soon as they are disconnected.
- If you suspect that a short-circuit has occurred: **1.** Immediately disconnect the battery from the jetboard, once in a safe, dry location. **2.** Contact Radinn or an authorized dealer if you have reason to believe a short-circuit has occurred. **DO NOT** repeatedly re-connect the battery to the board if you have reason to believe that you have had a short-circuit or that the battery in any other way may have been damaged.

- Only use chargers supplied by Radinn to charge the battery. Chargers that are not supplied by Radinn are not equipped with the electronics and software to safely and reliably charge and optimize the cells. Therefore, charging with unauthorized chargers may result in destruction and in worst case severe injury or death.
- Never use the charger if any cable is damaged. Doing so can cause the cable to catch fire and may lead to electric shock resulting in severe injury or death.
- Never attempt to alter or modify the battery in any way. Doing so may cause flaming gases to be discharged through the accumulator cells safety valve, causing serious injury and/or death.
- Repairs and service work on the battery is restricted to Radinn and its authorized partners.
- Never leave the battery connected in the jetboard or the charger when not actively intending to charge or operate it. When the battery is connected to the jetboard or charger it will consume power. If left long enough, the battery can completely discharge the the batteries internal cells. resulting in permanent damage.
- Ensure that there are no water or dried salt deposits on the contacts of the connector sockets of the jetboard, the battery or the charger when connecting (see Chapter "jetboard Maintenance"). Salt deposits can inhibit the flow of electricity during charging and cause electrical contacts to overheat, resulting in irreparable damage to the contacts or even fire.
- Always charge the battery in the shade in-doors and in a place that is dry, cool and ventilated. Ensure the battery or the charger is not covered

# General Safety Information Concerning the Radinn Battery – continued

- by any foreign objects or clothing. If the battery is hot, let it cool down before charging it. Ensure that air can circulate freely.
- Careful! The charger and the battery can get hot when charging. Please allow the battery and charger to cool down before handling them.
  - Before storing the battery, please ensure reading chapter "jetboard Maintenance". It is very important that you carefully follow the storing instructions, especially for long-term storage (e.g. over the Winter). The battery should always be stored in room temperature (15-28 °C/ 59-82 °F), dry, and well-ventilated area.
  - When transporting the battery, always carefully observe the applicable safety regulations and the specific regulations of the carrier. Be aware that rules concerning the shipping of lithiumion batteries are changed from time to time and can differ among different countries and carriers.
- **NEVER** discard the Radinn Battery among normal household waste or recyclables or in fire or water. Always contact your point of purchase or local authorities on how to discard your battery.

# General Safety Information Concerning the Radinn Universal Charger

- In addition to the special safety information on the Radinn Universal Charger, be sure to properly read and understand the following safety information:**
- Never use the Radinn Universal Charger if the connector, wires or body are torn, broken, damaged or destroyed. If suspecting that the charger, cables and/or connectors are broken, damaged or destroyed immediately contact Radinn or your local authorized Radinn dealer.
  - If you charger is damaged or malfunctioning, contact Radinn support or an authorized dealer. Do **NOT** try to repair or service the Radinn Universal Charger yourself.
  - Never leave the charger connected to the battery if not actively charging it or optimizing it. Leaving the battery connected to the charger (or to the jet board) without any mains supply will render the battery to become completely discharged, causing permanent damage to the battery cells (warranty void).
  - Ensure that you only charge the battery in an area that is cool and dry to avoid overheating the battery.
  - Always make sure that there is no unauthorized access to the battery during charging to minimize the risk of tampering.

# Proper Use of the Radinn Jetboard

## Introduction

- The jetboard is a water sports vehicle driven by a high-power lithium-ion battery, a powerful electric motor and a jet-propulsion system that enables the user to ride across the water in high speed. The power is controlled via a wireless hand controller in which the rider can choose the preferred acceleration and speed. All of the metal parts are of high-quality anodized aluminum and/or stainless steel, treated to resist corrosion and rust. The jetboard is suitable both for use in fresh water and salt water. The battery and jet compartment is water-proof. The jetboard's internal system is equipped with many smart functions and electrical as well as mechanical safety features designed to increase rider safety.
- However, if the safety information and operating instructions are not followed, and/or if the operator is acting under bad judgment, irresponsibly,

mistreating the product, or in other ways acts opposite of common sense when handling a powerful vehicle – there is a risk that you will damage the jetboard or other property, as well as risking your own and other peoples' lives. Please respect that the jetboard is an electric sports vehicle used on water, it is **NOT** a toy and should be used with uttermost respect, precaution and always in line with the local regulations and laws.

- Remember that vehicles of any kind can malfunction and cause an emergency situation, therefore always have another person nearby with a watercraft that can be used for life-saving situations. Always follow the information that is described below with regards to proper use of the jetboard, as well as the chapters regarding "Warnings and Special Safety Information" and "General Safety Information" in this manual.

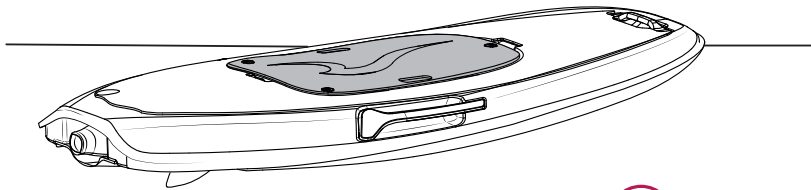
- Make sure to take your time to understand how the jetboard works before performing more difficult maneuvers such as riding at top speed and slide turning. Only attempt these maneuvers when you have complete control over the jetboard and a full understanding of how to turn by shifting weight/legs and how the board slides when falling. Limit your speed so that you are in complete control of the jetboard at all times. Always use the jetboard responsibly and show consideration to people, animals, coral reefs, plants and the environment.
- Some countries do not require a driving license for operating a watercraft at this power. Some countries, however, may have other regulations, age restrictions or laws. Carefully check to always follow your local regulations and laws prior to operating the jetboard. We urge all jetboard operators to inform themselves completely about

the local regulations. Radinn does not assume any responsibility for unlawful operation of the jetboard in restricted areas. Additionally, Radinn does not assume any responsibility for obtaining such information for the user.

- The jetboard should only be used in sheltered waters. Sheltered waters are here defined as sheltered/protected coastal waters, small bays, small lakes, rivers and canals, protected from rough conditions, which include wind-force 4 or greater, and significant wave heights exceeding 0,3 meters (1 foot) may be experienced, including occasional waves/wakes from passing vessels.
- It is always recommended to carry the jetboard by two people and as often as possible in the complimentary board bag with wheels. This is to minimize the risk of injury to the jetboard, yourself or your surroundings.



SAFETY INFORMATION



**IMPORTANT:**

When fins are installed you have to be careful when pulling your board onto land or onboard a boat. Under no circumstances should you put any weight on it while the fins rests on land.

- Never run the motor out of the water for longer than approximately 10 seconds. The motor is designed to be used in the water, and prolonged operation out of the water to test the jetboard and the Hand controller can damage the bearings, coupling, motor and/or system. Additionally, the watercooling will not work if running the jetboard out of the water.
- Often the jetboard may be operated in areas where the use of combustion engine powered watercrafts cannot. Use of the jetboard is, however, never permitted in areas where electric watercrafts are prohibited due to: local laws, community regulations, nature conservation laws, or other provisions. If you are uncertain about local laws and regulations, make sure to inquire the local authorities.
- Users of the jetboard must be at least 16 years

of age and good swimmers. People who cannot swim should never use the jetboard.

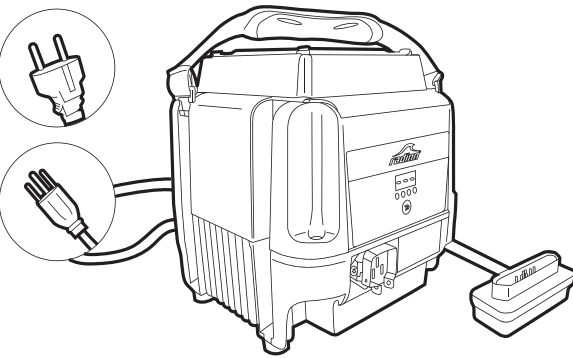
- Minors, 16 and younger, should only operate the jetboard under the supervision and responsibility of an adult, who is a strong swimmer and is familiar with use and operation of the jetboard.
- Only let other people use the jetboard if they are over 16 years of age and have shown you adequate proof of such. The jetboard should never be used unless the operator has received full instructions on how it should be used and knows what to do in case of an emergency.
- Never use the jetboard while under the influence of alcohol, medication or drugs.



# Charging the Battery

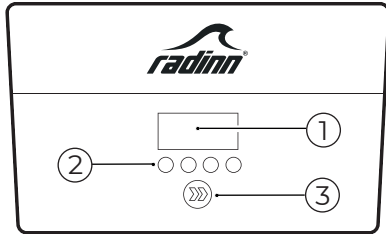
1

Connect the power cable to the power supply. Then connect the charging cable to the battery.



2

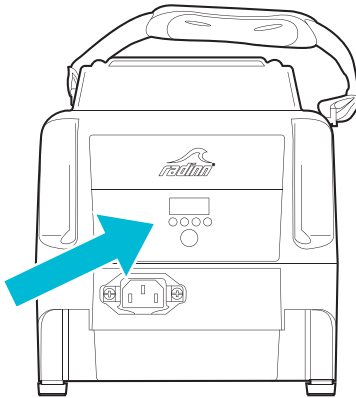
By pressing the Select button for one second at a time, the charger will switch between three different charging profiles. During charging the selected profile will show in the digital display together with chasing LEDs below.



- 1. Digital Display
- 2. LED Indicators
- 3. Select Button

3

When the charging is complete all four LEDs show constant light. Disconnect the AC input cord from the wall outlet before disconnecting the charging plug from the battery.



**IMPORTANT:**

Always fully charge the battery before using it.

Never fully discharge the battery.

Read **Battery Maintenance** to extend the lifetime expectancy of your batteries.

If the battery temperature is too high it will not charge. Please let the battery cool off before charging.

Never leave the charging plug connected to a fully charged battery.

# Radinn Universal Charger LED Indicator Table

| Charging profiles |   |
|-------------------|---|
| Lo (Default)      | Default charging profile. 1100 Watts @ 120/230 Volt.  |
| Hi                | Use only when the battery needs to be charged quickly (2 h).<br>2000 Watts @ 120 Volt, 2500 Watts @ 230 Volt.   |
| Opt               | Suitable for low output power sources such as inverters.<br>450 Watts @ 120/230 Volt.<br>Note: If an inverter is used to power the charger make sure it<br>supplies a true sine waveform. |

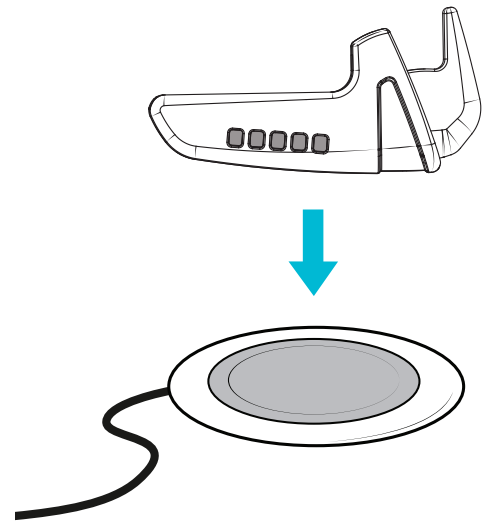




# Charging the Hand Controller

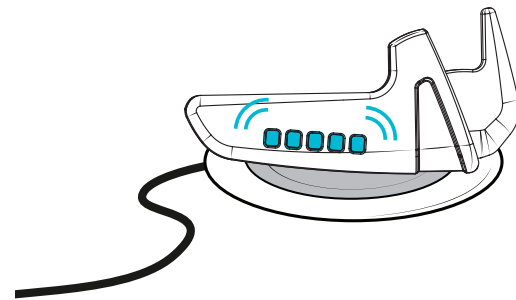
## 1

Connect the power cable to the power supply. Then put the Hand controller on the charger as shown in the image.



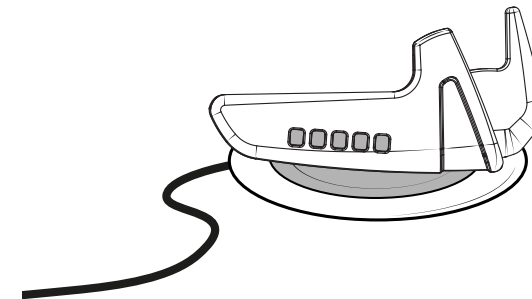
## 2

When the Hand controller is being charged one or several LEDs will flash depending on the state of charge. It may take up to two minutes before the Hand controller indicates charging and LEDs starts to lit.



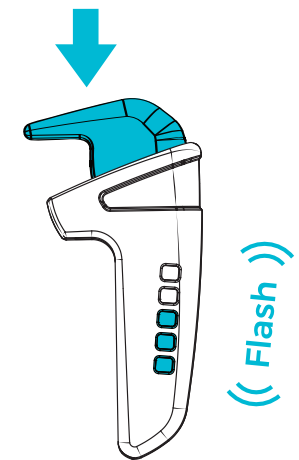
## 3

When the LEDs turn off, the hand controller is fully charged.



## 4

To test the state of charge of the Hand controller, gently press the throttle lever until the LEDs start flashing. The number of LEDs flashing indicates the state of charge of the Hand controller.



# Board assembly

## – The Battery



**WARNING!**

If you suspect that the battery connector has been in contact with water, or if the battery in any way looks damaged, do not connect the battery to the board! Please contact Radinn immediately for more information.

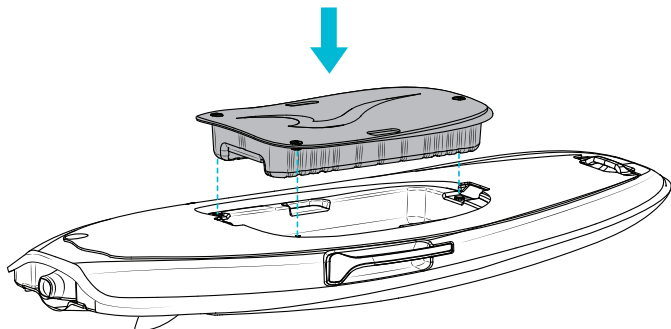


**Note:**

The jetboard battery weighs approx 20 kilograms. We recommend that two persons lift the battery in place.

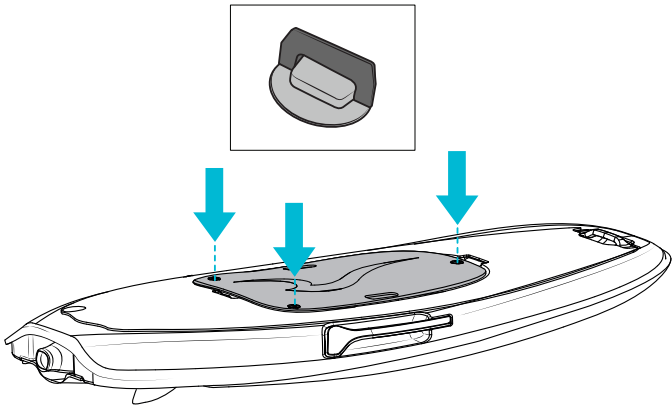
1

Put the battery in place according to the illustration.



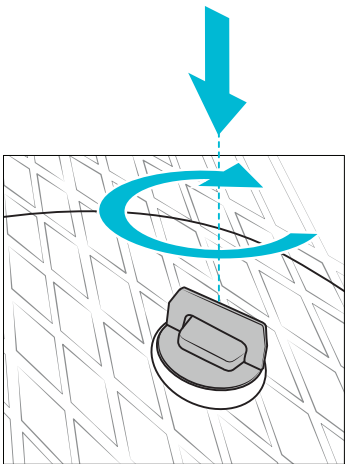
2

Locate the three spring-operated button holes.



3

Push down the spring-operated button, and line up the spring screws with the thread, before screwing the lid shut. Make sure the screws are sealed tightly.

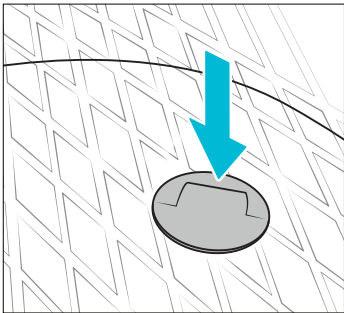




# Board assembly – The Battery

4

Flip the button lid edge in place.



5

Pair the Hand controller with the board before launching the board into the water.

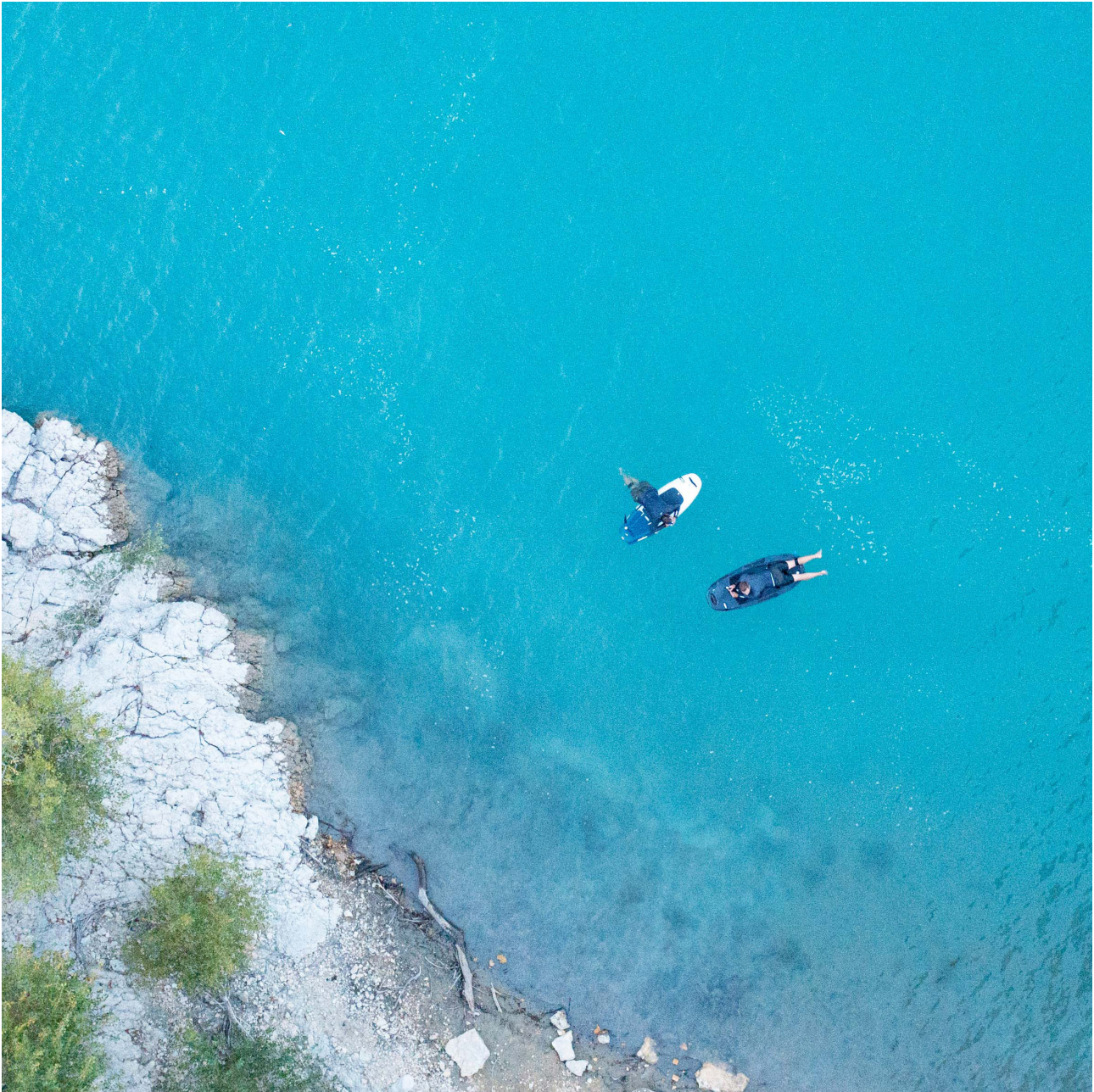
See the chapter **Pair the Hand controller with the jetboard.**



**IMPORTANT:**

To disengage the battery, **make sure the board is dry**, and carefully unscrew the spring-operated buttons.

Make sure to handle the battery carefully when putting it in place so that you don't damage it in any way or break the connectors.





# Pair board with Hand Controller

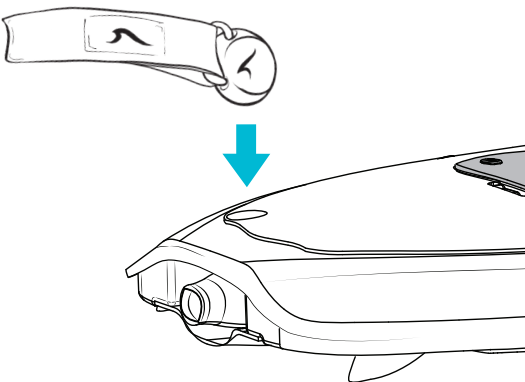
1

Attach the magnetic key leash to the kill switch holder on the board until you hear a low signal.



**Note:**

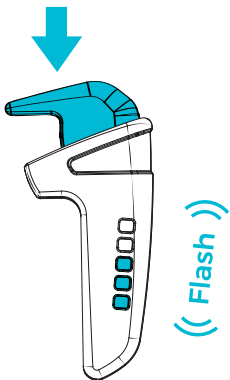
It's easier to hear the signal in a quiet surrounding.



2

Press the throttle lever all the way down until the LEDs start flashing. Then let go of the lever.

The flashing LEDs indicate that the throttle is trying to connect to the board. (The number of LEDs flashing indicates the battery level of the Hand controller.)



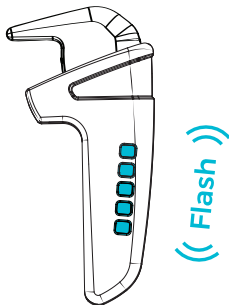
3

When the Hand controller successfully pairs with the board, all five LEDs will flash once.



**Note:**

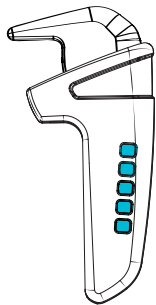
It will normally take less than one second to complete the pairing but can take up to one minute in rare cases. If the Hand controller does not find the board after 60 seconds - repeat step 2.



4

When the pairing is complete, the LEDs stop flashing and indicates the remaining capacity of the battery. Charge the battery again if not all five LEDs light up.

Then gently push the lever to check if it's properly paired. If there is no response from the jet, please repeat from step 2.



# Hand Controller Technical Specifications

|           |           |
|-----------|-----------|
| Frequency | 2.4 Ghz   |
| Range     | 10 meters |

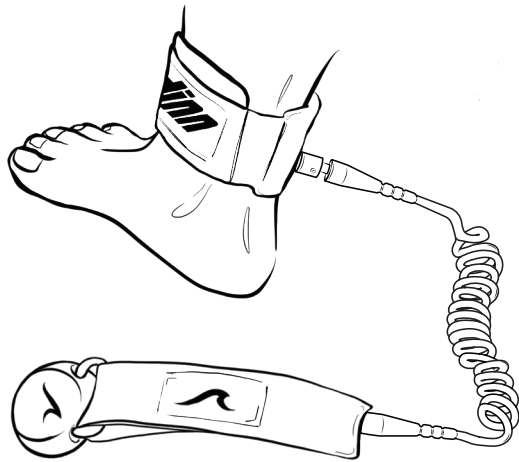
# Hand Controller Indicator Table

| Indication                                      | Definition  |
|---|---|
| Hand controller vibrates briefly                | Hand controller and and board are paired and the magnetic key is attached |
| Hand controller vibrates with a 20 sec interval | Board battery below 20%   |

# Fasten and Secure Hand Controller and Magnetic Key

1

Fasten and secure the magnetic key leash tightly around your ankle or below your knee.



2

Fasten and secure the Hand controller strap around your wrist.



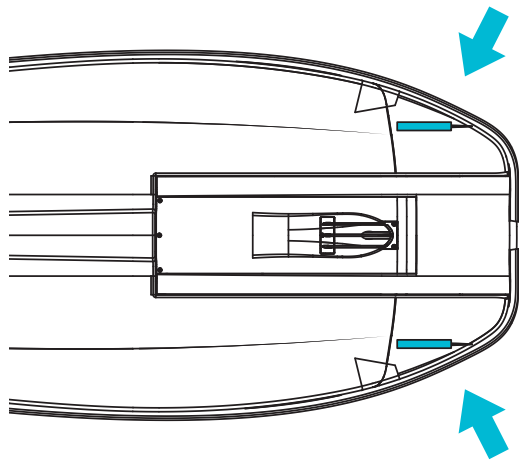
**Note:**  
The Hand controller does not float, therefore it must be secured around your wrist.



# Board assembly – Fins

1

Turn the board upside down to reveal the fin slots.



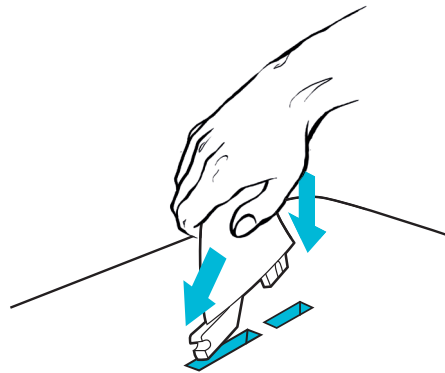
2

Attach the fins to the board according to the illustration.

To remove the fins, repeat this procedure in reversed order.



**Note:**  
This is optional. The fins improve turning at lower speed.



# Launch the Radinn jetboard

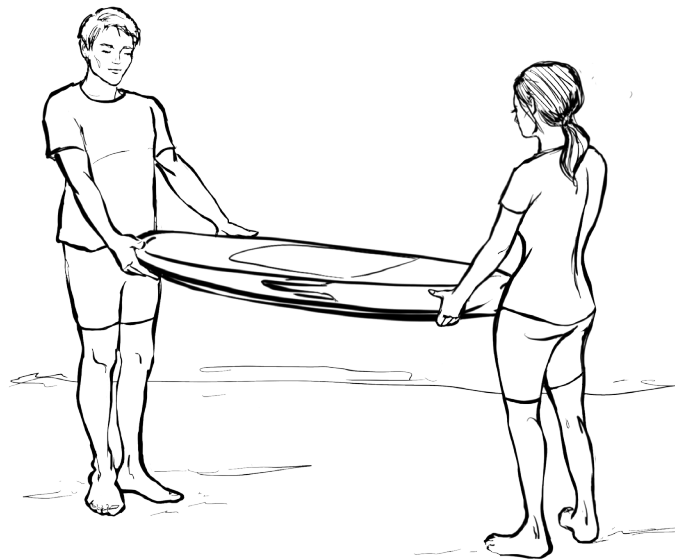
## 1

Carefully lift the jetboard out of its bag or any other storage equipment.

Launch the jetboard in a calm area close to the water. Never attach the magnetic key while launching.

**Note:**

The jetboard weighs up to 45 kilograms. We recommend that launch of the jetboard is done by two persons.



## 2

Before starting the jetboard, swim away from the shore a bit to avoid injuring other persons or damaging the board, boats or any other property. Make sure the depth below the board is at least 1,5 meters (5 feet).

**WARNING:**

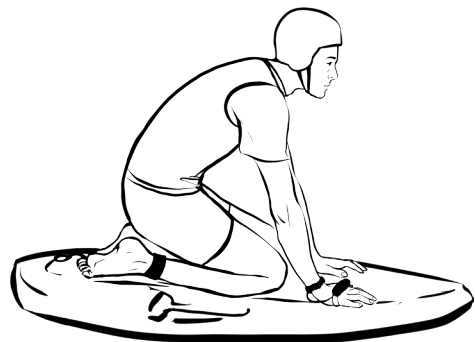
The jetboard is a powerful personal watercraft. Be careful when starting the jet as the stream can reach up to 10 meters and potentially harm people and/or damage property.

# Start sitting on knees

## 1

Before starting the jetboard, swim away from the shore a bit to avoid injuring other persons or damaging the board, boats or any other property.

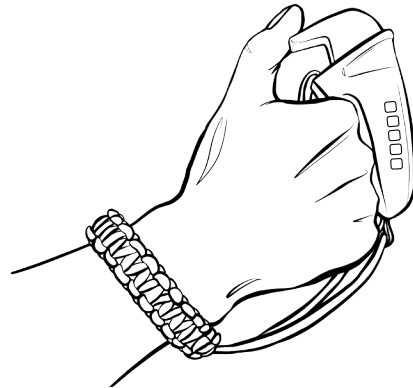
Make sure the depth below the board is at least 1,5 meters (5 feet). Begin sitting on your knees and hold on to the front handle.



## 2

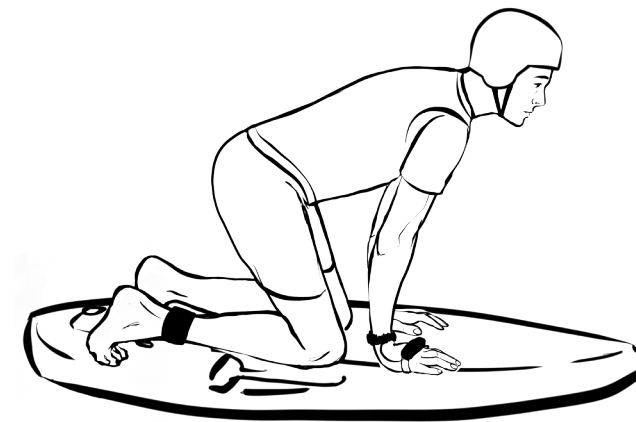
Attach the magnetic key to the magnetic key holder. Evenly press the throttle lever on the Hand controller.

Avoid sudden release during acceleration. To keep the jetboard steady when increasing speed, maintain thrust while evenly pressing the throttle lever.



## 3

After a few seconds the board will be in a tail heavy position. Shift your body weight forward while pressing the nose of the board as close to the water surface as possible, without diving.



## 4

When the board begins accelerating, shift your body weight back again.

It is important to keep the torque unchanged or increasing during the entire planing process.

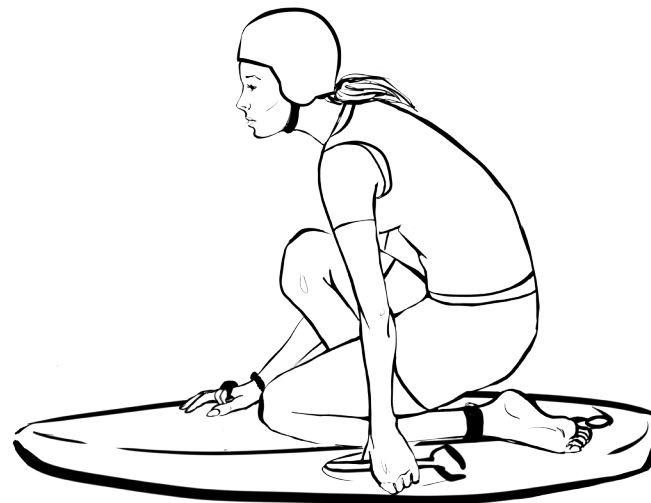
# Standing up

## 1

When you have reached balance and speed, you might try standing up. Keep a constant throttle through the whole procedure.

**Tip!**

Use one of the handles to support your balance. Begin with your front leg and slowly get up. Keep your knees bent and look straight ahead.



## 2

The better your stance, the lesser the air suction into the water intake on the bottom of the jetboard.

Shift your body weight backward and forward a little to find that perfect stance and balance.

**Tip!**

Make sure to have a comfortable stance and carefully listen to the sound of the jet.



# Turning

## 1

Fins are available for the jetboard, as an optional accessory. See chapter **Install the jetboard Fins** (optional) for instructions on how to install them.

The fins improve turning at lower speed.

## 2

Keep up the speed and lean towards the direction you desire.

Shifting your weight towards the back of the board will help you when turning.

### Turn left



### Turn right





# Common mistakes

## 1

A common mistake is to lean too far away from the nose of the board.



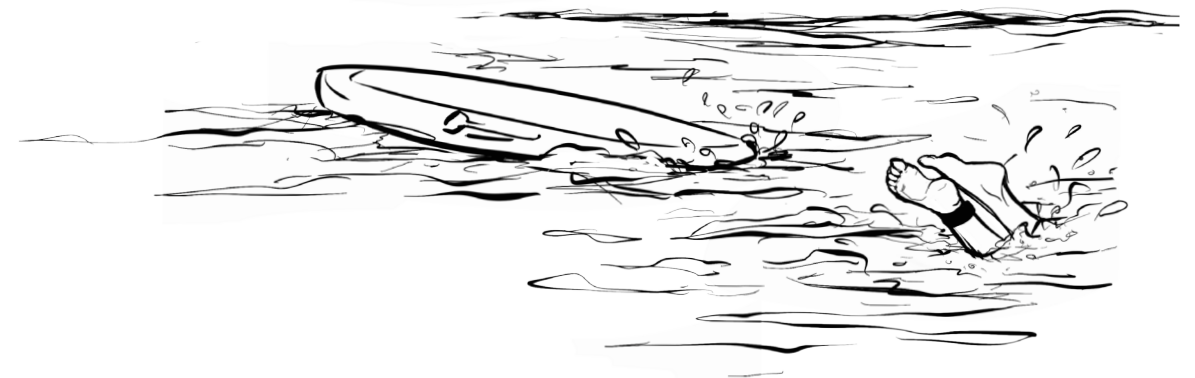
## 2

Another mistake is decreasing the thrust while leaning forward during start. This causes the board to dive.



### Note:

The board brakes fast if there is no thrust. The motor shuts down automatically when the magnetic key is disconnected from the board. This guarantees that the board will stop if the surfer takes a dive.



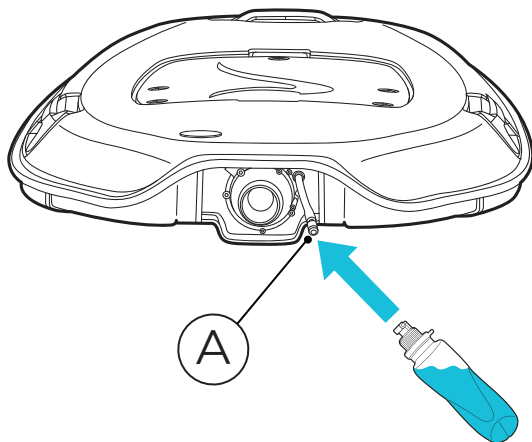
# Radinn jetboard Maintenance

1

Fill the Radinn Rinse Bottle with fresh water.

Connect the bottle to the jet outlet cooling connector (A).

Squeeze the bottle until the water has passed through the system.



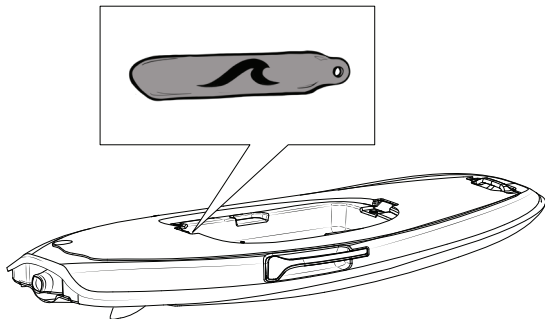
2

Always repeat the procedure (1) after every surf in salt water. Corrosion and salt may clog the system and thereby decrease the water flow and getting the motor to overheat.

3

Once in a safe, dry location, remove the battery. In the battery compartment, put the connector protection in place, and make sure it is tightly sealed around the battery connector.

Rinse the entire board with fresh water to ensure that all salt water is removed to prevent corrosion.

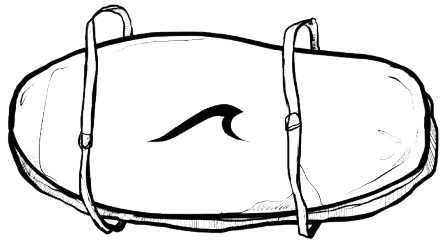


4

Make sure that all parts are dry prior to placing them in the board bag or any other storage equipment.



**Note:**  
Do never store the battery in the board.



## 5

Always store the jetboard horizontally in a dry location with room temperature (15–28 °C/59–82 °F).

## 6

Prior to running the jet outlet, always check for plastic and other garbage in it.

Turn the jetboard upside down on top of the board's bag and look into the jet intake.



**Note:**

Always disconnect both the battery and the magnetic key from the board if you need to remove plastic or any other foreign objects from the jet.





# Radinn Battery Maintenance

1

Store the battery in a room with dry air at room temperature (15–28 °C / 59–82 °F).

2

Always charge the battery fully **before storing it**.

3

Fully charge the battery **before using it**.

4

Charge your battery fully regularly (at least every other month) when storing the battery during the off-season to avoid the battery self-discharging to an unrecoverable level (warranty void).

5

Never fully discharge the battery.



**Note:**  
Leaving the battery connected to the charger (or to the jet board) will render the battery to become completely discharged, causing permanent damage to the battery cells (warranty void).

6

Take care of your battery by regularly using the Optimization feature available in the app. The Optimization feature performs a voltage equalization of the battery cells that will condition and optimize the performance.



**Note:**  
Older batteries may not be compatible with this feature.

# Battery Technical Specifications

|                          |                                     |
|--------------------------|-------------------------------------|
| Battery type             | Li-Ion 50.4 V , high capacity cells |
| Battery maximum capacity | 69 Ah   3 478 Wh                    |
| Battery weight           | 23.5 kg                             |

# Disposal of the Battery and all the other parts of the Radinn jetboard

**When recycling the jetboard, the local recycling regulations must always be followed!**



If you need to dispose the battery, then do so according to the local laws and regulations of your region.

Some batteries may be recycled, and may be accepted for disposal at your local recycling center. If you are not able to identify the applicable rules in your area, please check with your local recycling center before disposal.

# CE Declaration of conformity

We, Radinn AB, of Grimsbygatan 24, SE-21120 Malmö, Sweden declare under our sole responsibility that our product Radinn Jetboard of model G3 is in conformity with the appropriate standards EN 300 328 v2.1.1 (2016-11), EN 301 489-1 v2.1.1 (2017-02), EN 301 489-17 v3.1.1(2017-02) and EN 62479:2010, EN 60 950-1 2006+A11:2009+A1:2010+A12:2011+A2:2013.



Malmö, May 2019

Mathias Bergman, CEO



This symbol on the product or on its packaging means that the electronic product and its battery should not be treated as general household waste. Instead, it should be handed over to the applicable collection point for the recycling of electrical and electronic equipment.

By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service, the shop where you purchased the product or by contacting your Radinn retailer.

# Make waves™

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and follow us on



**@radinnoofficial**

