

NUEFOIL

USER MANUAL





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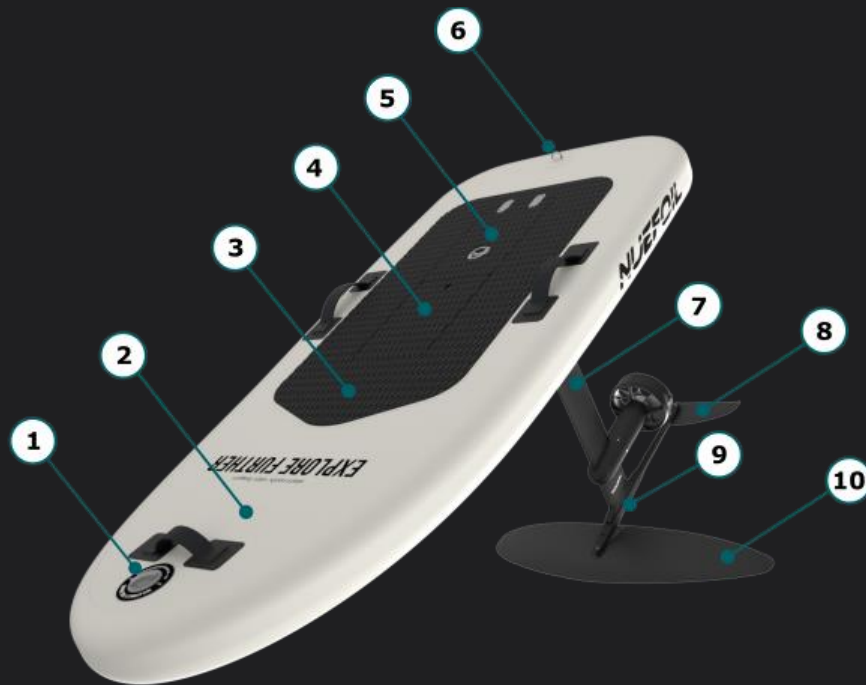
1 Safety Warnings & Precautions

1. Always review the user manual before your first ride to ensure safe and proper use of the Nuefoil product.
2. Use the product only in open water and avoid contact with the bottom, rocks, or marine life.
3. Personal safety gear is essential. Always wear a certified life vest and a helmet while operating your product.
4. Stay clear of shorelines, swimmers, and other watercrafts.
5. Never use the product in poor weather, rough water, or low visibility. Monitor weather forecasts and marine traffic updates before launching.
6. Keep clear of floating objects, submerged debris, and areas with wildlife that may interfere with operation.
7. Never ride with damaged components or malfunctioning parts. Inspect the board before and after each use, paying particular attention to the battery, propeller, and hull.
8. Ensure that all users are properly trained and understand how to operate the product safely. This product is not intended for use by children or inexperienced riders.
9. The propulsion system contains rotating parts—keep hands, feet, hair, and clothing away when powered on.
10. Never attempt to remove or service the battery while the board is in the water. Always power down and ensure the system is completely off first.
11. Handle the battery with care. Do not puncture, crush, overcharge, expose to liquids, or store near heat sources. Store the battery at 30%-50% charge, away from flammable materials, and in a cool, dry location.
12. Avoid touching the propeller at any time, especially while in the water or during operation.
13. Treat the motor and drive components with caution, particularly when launching or retrieving the board from the water.
14. Do not place the board loosely in or on a vehicle. Improper handling during transport can lead to damage or injury.
15. Connecting the kill switch leash before operation is critical for safety and power control. Ensure the kill switch functions correctly before each use.
16. This product is not intended for use in designated swimming zones or diver areas.
17. Ride responsibly and always prioritize safety for yourself and those around you.
18. Nuefoil strongly recommends completing professional training before use to ensure the safety of the rider, the equipment, and those nearby.
19. Always comply with local, regional, and national laws and regulations governing the use of this product.

2 Product Overview

This section provides a visual guide to the key components of the product. It highlights the board components, leash and harness, bag and storage foam, pump, battery pack, and the remote user interface, offering clear identification of each part for easy reference.

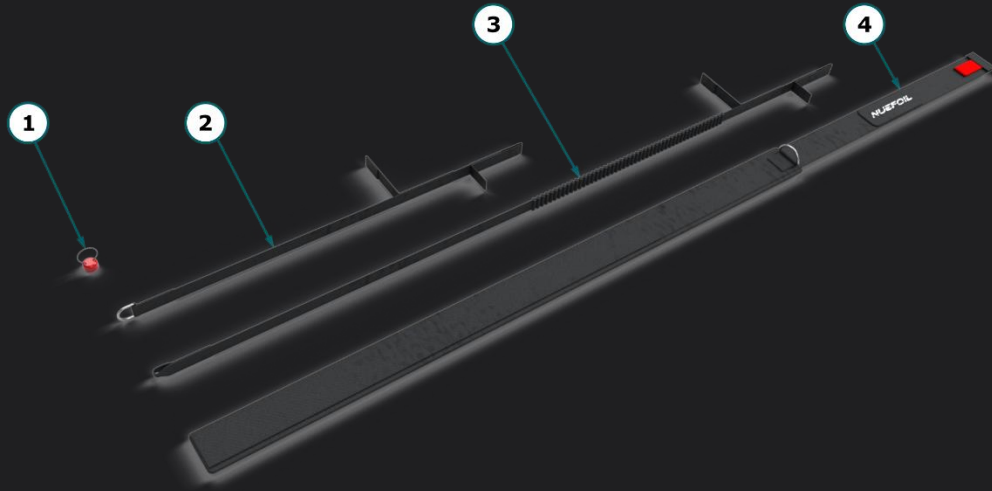
2.1 Board Assembly



1. Fill Port
2. Inflatable Collar
3. Hull Assembly
4. Battery Pack
5. Battery Door
6. D-Ring
7. Mast
8. Rear Wing
9. Fuselage
10. Rear Wing

Note: Spare fasteners, an Allen key, and a Patch Kit are included.

2.2 Harness and Leash Kit



1. Kill Switch
2. Board Leash
3. Harness Leash
4. Harness

Note: Cord will be pre-assembled to both the D-Ring on the Collar and Harness

2.3 Storage Foam and Bag



Note: Your product is pre-assembled with every component needed in the storage foam. When re-packing, be mindful to put components back into its corresponding location.

2.4 Pump



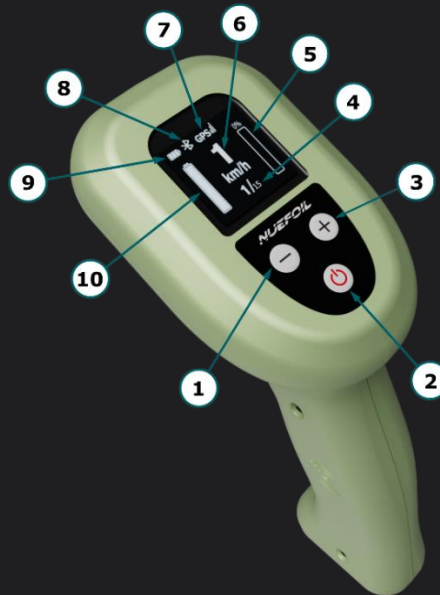
Note: Pump hose not shown. The pump provided is serviceable.

2.5 Battery Pack



⚠ Important: When not in use, power off and disconnect the battery.

2.6 Remote User Interface



1. **Minus Button:** Press to decrease top speed, hold to enter Calibration Mode.
2. **Power Button:** Hold to turn on/off remote. Press once to return to main interface when in Calibration or Bluetooth Pairing Mode.
3. **Plus Button:** Press to increase top speed, hold for Bluetooth pairing mode.
4. **Speed Level:** Level set by the user to limit the top speed. Increase/decrease level by using plus/minus buttons (1,3).
5. **Throttle Percentage:** Indicates percent throttle being used.
6. **Speed:** Indicates the speed of which the board is traveling in km/hr.
7. **GPS Signal:** Solid when connected, flashing while searching.
8. **Bluetooth Signal:** Solid when connected, flashing while searching.
9. **Remote Battery Level:** Bar indicating battery level of remote.
10. **Board Battery Level:** Bar indicating battery level of the board.

*Note: After 20 seconds of inactivity the remote will enter **Safe-Mode**, which disables the functionality of the trigger. To return to normal operation press the power button once.*

3 Product Assembly

This section contains the essential procedures to get your eFoil. ready for use. It includes board assembly, safety gear setup, and remote pairing. Refer to the instructions within this section to ensure proper setup and readiness before operation.



3.1 Board Assembly

This section outlines the step-by-step process for assembling the board. Begin by inflating the collar around the hull, followed by attaching the mast securely to the hull. Next, assemble the fuselage, front wing, and rear wing, ensuring all parts are properly aligned and fastened. Finally, connect the motor and battery, ensuring all connectors are securely in place and the battery is properly housed.

Step 1: Inflate the **Collar around Hull Assembly**



- Unroll the **Collar** on a flat surface.
- Place **Collar** around **Hull**
- Open the **Valve Cap**
- Attach the **Pump** to the **Inflation Valve**.
- Inflate to the recommended pressure (**15 PSI, 1 BAR**).
- Secure the **Valve Cap**.

Step 2: Attach the Mast to the Hull



- Position the **Mast Adapter Plate** over the hull's attachment zone. Ensure correct orientation as shown.
- Ensure the **Cable** passes through opening on Hull.
- Secure **Fasteners**:
4X Flanged BHCS M8-1.25X25-316SS.

Step 3: Assemble Fuselage, Front and Rear Wing



- Secure the **Fuselage** to the mast using:
2X Flanged BHCS M8-1.25X40-316SS.
- Refer to **Fuselage Mounting Configurations** to adjust ride style.
- Secure the **Front Wing** to the **Fuselage** using:
3X FHCS M8-1.25x40-316SS.
- Secure the **Rear Wing** to the Fuselage using:
2X Flanged BHCS M8-1.25X25-316SS.

Note: Check alignment, orientation, and that parts are secure

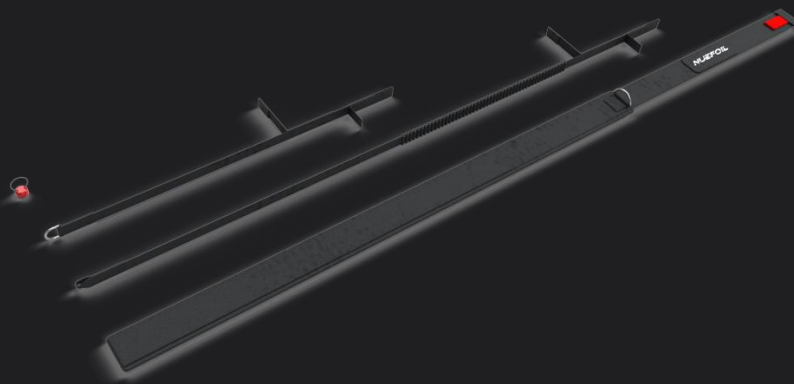
Step 4: Connect **Motor and Battery**



- Turn board around so that the top of the Hull can be accessed.
- Open **Battery Door**.
- Secure **Red Connector** from Motor to **Red Connector** in the Hull
- Insert the **Battery** into its compartment.
- Connect the 3 and 4 pin **Battery Cables**.
- Secure **Battery Door**.

3.2 Safety Gear

This section provides an overview of the safety gear, including the harness leash, board leash, and kill switch. It explains how to properly secure the leashes and activate the kill switch, ensuring a safe user experience.



Step 1: Harness Leash Assembly

- Connect the **Harness Leash** (longer leash) to the **Harness** utilizing a reef knot with the provided cord.
- Connect the **Leash** to the **Kill Switch** using the Velcro.

Step 2: Leash to Board Assembly (Optional)

- Connect **Board Leash** to **Board** and **Harness Leash**

*Note: The Velcro side of the **Board Leash** (Shorter Leash) attaches to the D-Ring on the Board via a double reef knot with the included Cord. The D-ring on the **Board Leash** attaches into the Velcro on the **Harness Leash** (longer leash).*

Step 3: Kill Switch

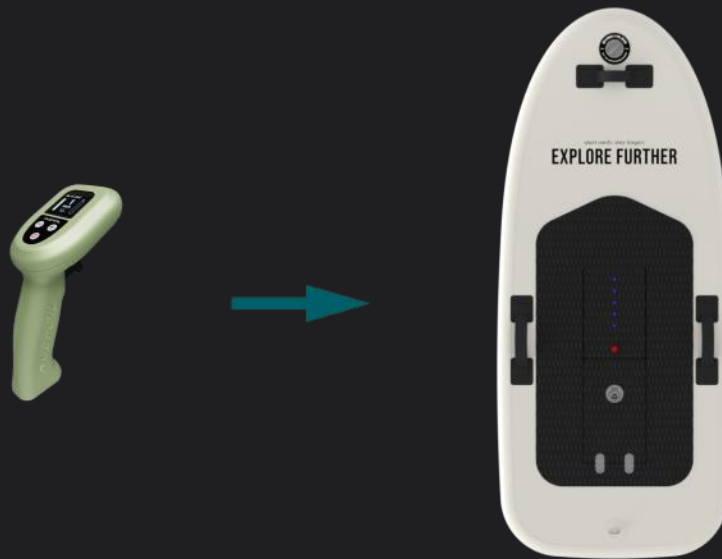
- Insert **Kill Switch** into recess on top of **Battery**

Your board is now powered and ready to pair, when removed it will cut power to the motor immediately.

⚠ Important: The leash is intentionally designed to break when subjected to forces exceeding a specific threshold. This breakaway feature helps reduce the risk of injury to the user by preventing the full force of the board's weight from being transferred to the body in the event of a excessive pull.

3.3 Remote Pairing

This section explains how to connect the remote to the board. It covers the steps required to initiate pairing, confirm a successful connection, and ensure the remote is ready for use.



Step 1: Power on Board

- Insert **Kill Switch** into recess on top of **Battery**

It will light up and you will hear an audible beep coming from the board.

Step 2: Turn on Remote

- Press and Hold the **Power Button** on the **Remote**

Step 3: Hold Remote Close to Front of Hull

- While holding the **Remote** close to the front of the **Hull** it will pair.

When paired you will initially hear an audible beeping pattern followed by no beeping.

Note: If pairing to another board please see Remote Re-Pairing in Safety Warnings & Precautions

4 Quick Start Guide

This section provides a streamlined summary of the key steps to get you up and riding quickly. It's intended for users already familiar with board assembly and covers essential checks and actions before operation.



4.1 Pre-Launch Checklist

- ✓ Collar fully inflated around Hull Assembly
- ✓ Fuselage/Front/Rear Wings secure and tightened
- ✓ Motor Cable Connected and Secure
- ✓ Battery Installed, Charging Port Closed, Cables Connected/Secure
- ✓ Battery Door Secure
- ✓ Kill switch attached
- ✓ Remote paired

5 Accessories

This section provides an overview of the available accessories designed to enhance your product's functionality, safety, and user experience. Each accessory is described with its purpose, compatibility, and installation or usage guidelines.

5.1 Life Jacket Leash Adapter Kit



The Life Jacket Leash Adapter Kit allows you to connect your leash directly to your life jacket instead of a harness. The adapter fits securely over 1.5" webbing commonly found on life jackets, providing a reliable attachment point for the leash.

⚠ Important: *When using this adapter, the leash should only be connected to the magnetically attached kill switch—never directly to the board—as doing so may damage your life jacket.*



6 Maintenance

Proper maintenance is essential to ensure the safety, performance, and longevity of your product. This section outlines the recommended procedures for routine care, including battery charging, component inspection, cleaning, and storage. Following these guidelines will help keep your equipment in optimal condition and ready for use.

6.1 Maintenance Procedures

The following procedures detail the specific steps required to use key components of your product.

6.1.1 Battery Charging



Battery Light		Light Meaning
○ ○ ○ ○ ○	No Flashing	Battery off or not Charging if plugged in
● ● ● ● ○	Sequential Flashing	Battery Depleted, charging in progress
● ○ ○ ○ ○	One Solid With Sequential Flashing	≈ 20% Charged Charging in progress
● ● ○ ○ ○	Two Solid With Sequential Flashing	≈ 40% Charged Charging in progress
● ● ● ○ ○	Three Solid With Sequential Flashing	≈ 60% Charged Charging in progress
● ● ● ● ○	Four Solid With Sequential Flashing	≈ 80% Charged Charging in progress
● ● ● ● ●	Five Solid	≈ 100% Charged, Ready for Use

Note: For a more accurate battery level; install in board, pair, and read Board Battery Level on Remote

Step 1: Remove Charging Port Cap

- Locate the charging port on the device and gently remove the protective cap (1).

Step 2: Plug Charger into Wall Outlet

- Insert the charger into a standard wall outlet to supply power.

Step 3: Connect Charger to Device

- Insert the charger 's connector into the charging port on the device.
- An indicator will confirm charging is in progress, see table above.

6.1.2 Remote Charging



Step 1: Connect Wireless Charger to Power

- Plug the wireless charger into a wall outlet using the appropriate power adapter.

Step 2: Align Remote on Charger

- Place the remote on the wireless charger so that the wireless charge symbol (located on the handle) is aligned directly over the charger's center.

Step 3: Confirm Charging Indicator

- A red light will illuminate in the center of the plus (+), minus (-), and power symbols, indicating that charging has begun.

6.1.3 Remote Calibration

Step 1: Power On Remote

- Press the **Power Button** to power on remote.

Step 2: Calibrate Throttle

- Hold the **minus (-) button** until a calibration screen appears.
- Squeeze the **throttle** until the max value updates.
- Press the **power button once** (do not hold) to return to the main interface.

Step 3: Power Off Remote

- Hold the **power button** to turn off the remote.

6.1.4 Remote Re-Pairing

Step 1: Power On Remote

- Press the **Power Button** to power on remote.

If not charged see "Maintenance Procedures"

Step 2: Hold Plus Symbol

- Press the **Plus Symbol** to enter pairing mode.

Step 3: Power on Board

- Insert **Kill Switch** into recess on top of **Battery**

Ensure battery and motor cables are installed.

You will hear an audible beep coming from the board.

Step 4: Pair Remote

- If the previous steps were done correctly and the remote is close to the Hull a **Bluetooth Address** will appear.
- Hit **Power Button** on remote once to confirm pairing

When paired you will initially hear an audible beeping pattern followed by no beeping.

Note: During this process the Remote may enter **Safe-Mode**, to return to normal operation press the power button once.



6.1.5 Patch Repair Procedure

This procedure outlines how to repair an inflatable board using the patch kit provided with each board. It is intended for sealing small punctures or leaks to restore airtight integrity.

Step 1: Locate Leak

- Inflate board and check for bubbles using soapy water.
- Mark leak and fully deflate board.

Step 2: Prepare Surface

- Clean and dry a 2" area around leak.
- Lightly sand if desired for better adhesion.

Step 3: Cut & Apply Patch

- Cut rounded patch at least 1" larger than leak.
- Apply glue to patch and board. Let become tacky.
- Press patch firmly from center out. Remove air bubbles.

Step 4: Cure & Test

- Let cure for 12–24 hours (48 hrs for full strength).
- Reinflate and check for leaks using soapy water.

Note: Avoid use or water exposure until adhesive is fully cured for optimal durability.

6.1.6 Fuselage Mounting Configurations

This product allows for adjustable fuselage positioning to fine-tune riding characteristics. The placement of the fuselage affects agility, stability, and overall handling. Riders can select between two primary configurations depending on their skill level and riding style.

Forward Fuselage Position – Increased Maneuverability:



Rearward Fuselage Position – Increased Stability:



Note: The differences between these two configurations may feel subtle at first. As you gain more time and experience on the water, the handling characteristics of each setup will become more noticeable and meaningful to your riding style.



6.2 Maintenance Schedule

WHEN	WHAT	ACTION
End of Day Use	<ul style="list-style-type: none"> • Hull • Collar • Remote • Fuselage • Mast • Wings • Harness/Leash • Hardware 	<ul style="list-style-type: none"> • Rinse with fresh water. • Power off and disconnect the battery. • Dry. • Deflate the collar (Optional).
End of Day Use	<ul style="list-style-type: none"> • Battery electrical contacts • Motor electrical contacts 	<ul style="list-style-type: none"> • Remove all electrical connections and dry contacts. Avoid contact with Water
Monthly	<ul style="list-style-type: none"> • Battery electrical contacts • Motor electrical contacts 	<ul style="list-style-type: none"> • Use dielectric grease to coat all pins on electrical contacts
Monthly	<ul style="list-style-type: none"> • Collar 	<ul style="list-style-type: none"> • Check the collar for leaks and repair as needed with the provided kit.
Monthly	<ul style="list-style-type: none"> • Hull, Wings 	<ul style="list-style-type: none"> • Check components for damage,
Storage	<ul style="list-style-type: none"> • Battery 	<ul style="list-style-type: none"> • Store the battery indoors in a cool, dry location away from flammable materials and direct sunlight. • Do not store the battery in a fully charged or fully discharged state; maintain between 30% and 50% charge during extended storage.

6.3 Troubleshooting

ISSUE	POSSIBLE CAUSE	SOLUTION
Remote is not pairing to board	Remote is not paired, or you are trying to connect to a new board.	See remote re-pairing procedure.
Remote throttle cannot go to max speed	Remote needs to be recalibrated.	Re-Calibrate, see the remote calibration procedure.
Remote is not powering on	The Remote's battery is depleted.	Charge remote, see the remote charging procedure.
Remote is not charging	The remote is not placed in the correct location over the wireless charger.	Ensure the charging symbol on the remotes handle is placed directly center to the wireless charger.
Board is losing pressure	Potential Leak.	Inflate the board and use soapy water to locate the leak. If present, follow the patch repair procedure.



7 Warranty

This product is covered by a **Limited Warranty** against manufacturing defects, which includes all major components of the Nuefoil product, provided the product is used under normal operating conditions and maintained in accordance with the guidelines outlined in this manual.

7.1 Warranty Coverage Details

The following covered components are included under this **Limited Warranty**, provided they are used as intended, properly maintained, and not subject to conditions or actions that violate the terms of this warranty:

7.1.1 6 Month Limited Warranty:

- **Front Wing:** The primary lifting wing structure.
- **Rear Wing:** The rear stabilizing wing structure.

7.1.2 1 Year Limited Warranty:

- **Hull:** Structure and integrated electronics.
- **Inflatable Collar:** Inflatable section surrounding the hull.
- **Battery:** Main battery; See 7.3 for further details.
- **Mast Assembly:** Includes the mast, motor, and integrated electronics.
- **Controller:** Handheld remote control used to operate the eFoil system.
- **Charger(s):** The power supply units provided for charging the batteries.
- **Fuselage:** Structural element connecting the wings to the mast.

7.2 What Is Covered

If a covered component fails within the warranty period and the product has been used in accordance with its intended purpose and this manual, we will, at our sole discretion, either:

- Repair the defective component, or
- Replace the component with a new or refurbished part, or
- Replace the entire product.

7.3 Battery Warranty

The battery is covered for manufacturing defects and capacity degradation below 70% within 12 months of purchase or 300 charge cycles, whichever comes first. This does not include damage resulting from:

- Overcharging or use of non-approved charging devices.
- Improper storage, including failure to maintain charge between 30%–50% during extended storage.
- Exposure of electrical contacts to water, liquids, or excessive humidity.
- Physical impact, puncture, or mishandling.
- Fire, explosion, or other hazards caused by improper use, charging, or storage.
- Unauthorized repairs or modifications.

7.4 What Is Not Covered

This warranty does **not** cover defects or damage resulting from:

- Normal wear and tear.
- Misuse, abuse, or neglect.
- Exposure to extreme heat or freezing.
- Impact or collision damage.
- Unauthorized repairs or modifications.
- Use of non-approved accessories or parts.

7.5 Making a Warranty Claim

To initiate a warranty claim, the original purchaser must contact our support team and provide:

- Proof of purchase.
- Serial numbers, if applicable.
- A description of the issue.
- Photos or videos upon request.

The product or component may need to be returned for inspection. Any shipping costs to and from the customer may be the responsibility of the customer unless otherwise specified. The customer assumes risk of loss or damage during shipment.

7.6 Limitations

This warranty is non-transferable and only valid for the original purchaser. Liability is limited to the cost of repair or replacement of the product and does not cover indirect, incidental, or consequential damages.

Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts. In such cases, the above limitations may not apply to you.



8 LEGAL DISCLAIMER

8.1 Important Notice

The Nuefoil Watersports Ltd. product (hereinafter the “Product”), including but not limited to its inflatable collar, mast, wings, propulsion system, battery, remote interface, and all associated components, is intended solely for recreational use in accordance with the accompanying user manual and safety instructions. Use of this Product constitutes acknowledgment and acceptance of the terms outlined herein.

8.2 Assumption of Risk

By operating or using the Product, the user voluntarily assumes all risks associated with its use, including but not limited to personal injury, death, property damage, or financial loss. This assumption of risk applies regardless of any negligence or fault on the part of Nuefoil Watersports Ltd. or its affiliates.

8.3 Disclaimer of Liability

Nuefoil Watersports Ltd., its affiliates, manufacturers, distributors, agents, and employees (collectively, the “Released Parties”) expressly disclaim any liability for any direct, indirect, incidental, consequential, special, or punitive damages arising out of or in connection with the use, misuse, assembly, maintenance, transportation, storage, or operation of the Product, even if the Released Parties were advised of the possibility of such damages.

8.4 No Warranty of Fitness or Merchantability

Except as expressly stated in the limited warranty provided with the Product, the Released Parties make no warranties, express or implied, regarding the Product’s merchantability, fitness for a particular purpose, or non-infringement. The Product is provided “as is” and “as available.”

8.5 Compliance with Laws and Regulations

Users are solely responsible for ensuring that their operation and use of the Product comply with all applicable Canadian federal, provincial, and municipal laws and regulations, including maritime laws, safety standards, and environmental requirements.

8.6 Safety Obligations

Users are responsible for conducting a pre-use inspection to confirm the Product’s proper condition, securing all components, and wearing appropriate safety gear, including a certified life jacket and helmet. The Product must not be used in adverse weather, rough waters, or areas with swimmers, wildlife, or obstacles.

8.7 Battery Storage, Handling, and Safety

The lithium-ion batteries used in this Product poses a potential fire hazard if improperly stored, charged, handled, or maintained. Users must strictly adhere to the following safety guidelines:

- Only use the charger provided with the Product.
- Store the battery indoors in a cool, dry location away from flammable materials and direct sunlight.
- Do not store the battery in a fully charged or fully discharged state; maintain between 30% and 50% charge during extended storage.
- Disconnect and remove the battery from the board during transport and storage.
- Never attempt to open, puncture, incinerate, crush, short-circuit, or expose the battery to liquids.
- Discontinue use and contact support immediately if the battery is damaged, leaking, or emits an unusual odor or heat. If support is unavailable, or if the situation appears hazardous, discontinue use and take all reasonable precautions to avoid harm, including contacting local emergency services if immediate assistance is needed. Nuefoil Watersports Ltd. may provide support or guidance, but does not guarantee the availability, timeliness, or effectiveness of such support. Accordingly, Nuefoil Watersports Ltd. and the Released Parties disclaim any and all liability for harm, damage, or loss arising from or related to battery issues, including in circumstances where support was contacted but the issue was not resolved or assistance was unavailable or ineffective.
- Failure to follow these guidelines may result in fire, explosion, electrical shock, or serious injury.

8.8 Professional Instruction Recommended

Users are strongly advised to obtain professional training prior to using the Product. Proper instruction is essential for safe handling, operation, and emergency response.

8.9 Indemnification

The user agrees to indemnify, defend, and hold harmless the Released Parties from and against any and all claims, damages, liabilities, losses, and expenses (including reasonable legal fees) arising from the use or misuse of the Product, violation of applicable laws, or breach of this disclaimer.

8.10 Limitation of Liability

To the maximum extent permitted by applicable Canadian law, the total liability of the Released Parties for any claim arising out of or in connection with the Product shall not exceed the purchase price of the Product.

8.11 Governing Law and Jurisdiction

This disclaimer and any disputes arising from the use of the Product shall be governed by and construed in accordance with the laws of the Province of British Columbia and the federal laws of Canada. The parties irrevocably submit to the exclusive jurisdiction of the courts of British Columbia for the resolution of any disputes.

8.12 Binding Agreement

This disclaimer constitutes a binding legal agreement between the user and Nuefoil Watersports Ltd. If any provision is found unenforceable, the remaining provisions shall remain in full force and effect.