



FREE SERIES
USER MANUAL



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THANK YOU FOR CHOOSING LEVITAZ.

FOR THE BEST RIDE YOU NEED THE BEST GEAR. EXPERIENCE HIGH PERFORMANCE WITH LEVITAZ, AND FIND OUT HOW A PASSION FOR INNOVATION AND OUR TECHNICAL KNOW-HOW IN THE FOIL INDUSTRY COMBINE TO PRODUCE SUPERIOR EQUIPMENT – DESIGNED TO ENABLE RIDERS TO STEP UP THEIR GAME IN ANY CONDITIONS.

FLY OVER WATER



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1 INTRODUCTION

GENERAL INFORMATION

The Levitaz hydrofoil attaches to the bottom of any kind of watersport board and lifts the board out of the water as it is accelerated by an external force. Because the Levitaz hydrofoil reduces the drag on the board as it moves across the water, a user can often achieve a greater speed. This manual contains important information about the proper use of the product and its safety. Follow these instructions carefully and precisely. This helps to reduce the risk of damage to the product, personal injury or death.

- This manual is part of the product.
- Keep this manual in a safe place for the entire life of the product.
- If the product is transferred to a new owner, this manual and all associated documents must be passed on to the new owner.

The meaning and appearance of safety symbols used in this manual are as follows:

 WARNING!	The text after the signal word “WARNING!” contains important information, which must be followed to avoid serious personal injury or death.
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NOTICE!	The text after the signal word „NOTICE!“ contains information, which must be followed to avoid damage to the product.
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Use of this product and any of its components, as well as hydrofoiling in any type of water sports involves certain inherent risks, dangers and hazards. Even if all the following instructions are followed, the risk of serious injury or death to you or others will not be eliminated. Levitaz, a brand of Geislinger GmbH or any of its agents shall not be liable for any loss, cost, claim, damage, demand or expense you may suffer whatsoever arising as a result of your actions when using the product.

2 WARNING AND SAFETY PRECAUTIONS



WARNING!

Hydrofoiling in any kind of water sports is inherently a dangerous activity that can result in serious injury or death to the user or people in the proximity of the user, with or without a Levitaz product. These risks include drowning or being hit by the product if the user loses control of it. The product may increase the risk of some injuries to users or bystanders by adding additional structure to the board that may strike users or bystanders; by increasing the speed at which the board can be operated, or by changing the manner in which an out-of-control board reacts as it contacts water or ground during an out-of-control situation. The user of this product should understand that the use and participation in the sport and any foiling activity could cause injury or death to you and/or others around you.

OBSERVE THE FOLLOWING SAFTY STANDARDS WHENEVER USING THIS PRODUCT:

- Hydrofoiling and kite boarding are dangerous sports.
- Use of this product exposes the user to unexpected and unavoidable risks, dangers and hazards.
- Read the manual for important information about the installation, care and maintenance of the board before use.
- Always use extreme caution when using this product.
- Never use this product unless you are in good physical health.
- Never use this product unless you are an experienced swimmer.
- Never act in a careless manner when using this product.
- We do not recommend hydrofoiling in breaking surf.
- Always observe local rules and regulations when using this product.
- Always wear an approved life and protection vest.
- Always wear a suitable helmet.
- This product is designed for use on water only.
- Make sure you take lessons before using this product on the water. Never use this product in conditions that are above your ability level.
- Surf under control and do not use at speeds that exceed the skills of the rider.

- Never use this product in shallow water or near the shore, or near docks, pylons, swimmers or other activities.
- Do not use this product in thunderstorm and/or lightning conditions.
- The users are responsible for their safety and the safety of those around them.
- Components in this product are subject to the random forces of natural elements and are subject to irregular wear.
- Only use original Levitaz replacement parts.
- It is the user's responsibility to inspect equipment for wear before every use.
- It is the user's responsibility to repair and maintain this product.
- The use of damaged products is not allowed.
- Before riding ensure that the bolts are tightened with the tightening torque that is described in this manual.
- Geislinger GmbH is not responsible for injuries, death or damage to the product due to misuse or any use not consistent with these instructions.
- Do not use this product under the influence of alcohol, drugs or medications.
- Minimum age of rider: 18 years.
- At temperatures above $\geq 650\text{ }^{\circ}\text{C}$ (1200 $^{\circ}\text{F}$), decomposition of the carbon fiber can cause respirable fiber particles (WHO-fibers). Do not inhale combustion gases.

Failure to follow these instructions may increase the risk of serious personal injury or death, damage to the product or both.

3 HYDROFOIL ATTACHMENT AND TECHNICAL DATA

The product will only function properly if it has been mounted according to the instructions contained in this manual. Carefully follow these instructions.



WARNING!

This product is designed for use on water and by trained personnel (over 18 years) only. Failure to do so may cause serious personal injury or death, damage to the product or both.

NOTICE!

Do not use power tools for the assembly or disassembly process. This may cause serious damage to the product as control of torque and power is limited. Doing so will render your warranty void.

NOTICE!

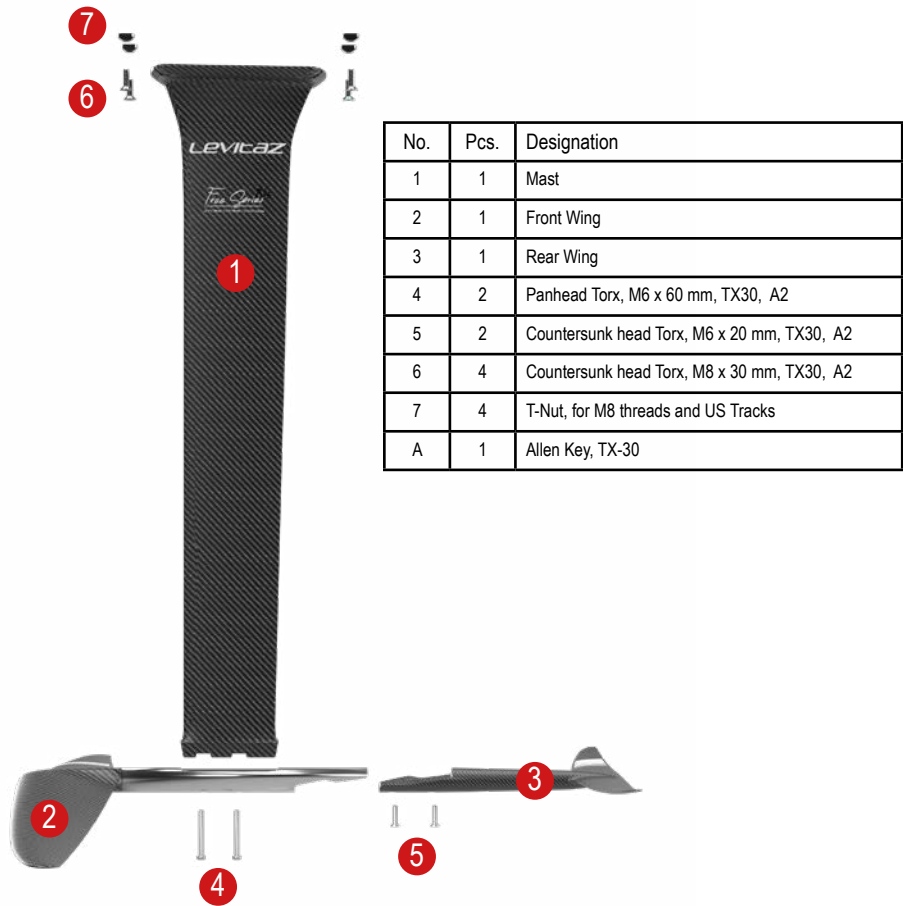
Over tightening screws can cause irreversible damage to the inserts. Doing so will render your warranty void.

NOTICE!

Use the tools provided in the scope of delivery. Using the wrong tool will damage the screw heads and threads and create sharp edges that will cause harm.

3.1 HYDROFOIL DESCRIPTION

The standard Free Series hydrofoil consists of 3 main parts: The Mast (1), the Front Wing (2), the Rear Wing (3), the Screws and the Tool are provided with each single component.



3.2 HYDROFOIL TECNICAL DATA

The Levitaz Free Series is a modular freeride hydrofoil system designed for use across multiple foil disciplines. Depending on the selected setup, the system may be used for wing foiling, kite foiling, downwind/parawing, pump/dockstart, prone foiling and use with compatible foil-assist systems.

Component	Area	Net weight	Construction / material	Main use
Front Wing FS 540	540 cm ²	1.41 kg	HM carbon with integrated titanium interface	High top-end performance, kite, wing, big wave surf and advanced freeride
Front Wing FS 680	680 cm ²	1.51 kg	HM carbon with integrated titanium interface	Agile freeride, wing, kite, surf/prone and all-round performance use
Front Wing FS 790	790 cm ²	1.73 kg	HM carbon with integrated titanium interface	Versatile freeride, wing, downwind/parawing and progression-oriented riding
Front Wing FS 900	900 cm ²	1.96 kg	HM carbon with integrated titanium interface	Early take-off, glide, downwind, pump/dockstart and lower-speed freeride use

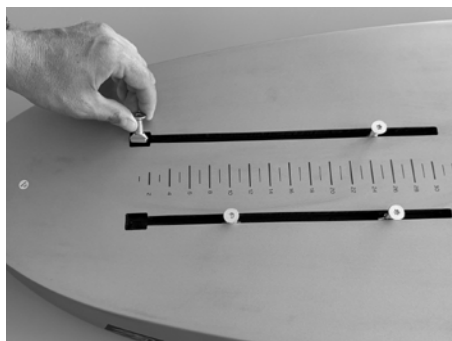
Component	Length	Min. thickness	Net weight	Construction / material	Main use
Mast FS 76	76 cm	16 mm	2.04 kg	HM carbon mast with plate mount and titanium thread concept	Compact and direct feel, shallow water, surf/prone, pump/dockstart and maneuver-oriented riding
Mast FS 84	84 cm	14.5 mm	2.04 kg	HM carbon mast with plate mount and titanium thread concept	All-round mast length for daily freeride use
Mast FS 96	96 cm	14 mm	2.25 kg	HM carbon mast with plate mount and titanium thread concept	Increased clearance, higher speed, choppy water and open-water conditions

Component	Area	Net weight	Construction / material	Main use
STAB FS 180	180 cm ²	0.30 kg	HM carbon stabilizer, mounted to the front-wing-specific titanium interface	Universal stabilizer for all Free Series front wings

3.3 ATTACHING YOUR LEVITAZ FOIL TO YOUR FOIL BOARD

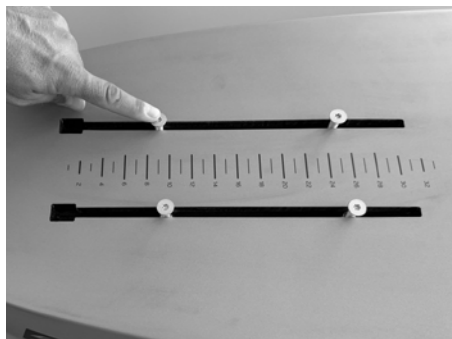
NOTICE!

Ensure that all surfaces are free from dirt or sand prior to the assembly. Pay close attention to the Board Adapter on the foil system and the board tracks.



Use the four M8 bolts and T-Nuts for mounting which are supplied in the accessory bag.

Insert two Screws with its T-Nuts into each track using the track entry points, ensuring the correct T-Nut orientation is maintained. You may need to perform some minor adjustments to the T-Nut alignment in order for the T-Nuts to locate correctly down into the central track entry opening.



Slide the T-nuts with the pre-installed bolts into the tracks and position them wider than the mast's 165 mm hole spacing. This allows you to place the mast centrally between the bolts.



Position the board adaptor of the assembled foil system parallel to the base of the board, above the tracks. The leading edge of the mast should be pointing towards the nose of the board.



Slide the four bolts into the open fixing points of the the Board Adaptor and hand tighten the bolts that they are still able to slide in the tracks.



Slide the foil system, together with the loosely tightened bolts and T-Nuts, along the tracks into your desired position, using the Foil Mounting Position Guide as a reference. When you are happy with the positioning, tighten all the bolts firmly using the In-bus tool in a diagonal sequence until the foil system is fully secured and the bolts are firmly tight.

(Tightening torque 9 +/- 1 NM)

NOTICE!

Ensure that you tighten the bolts in a diagonal sequence until the foil system is fully secured and the screws are firmly tight. Tightening with the wrong sequence or wrong tightening torque will damage the tracks and create sharp edges that will cause harm.

4 HYDROFOIL ASSEMBLY INSTRUCTIONS

The product will only function properly if it has been mounted according to the instructions contained in this manual. Carefully follow these instructions.

 WARNING!	The components of the Levitaz hydrofoil can have sharp edges. For users and any other personnel involved there is a danger of injury while the components are being assembled and while the Levitaz hydrofoil is in use.
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NOTICE!	Do not use power tools, hammer or any sharp objects for the assembly or disassembly process. This may cause serious damage to the product. Doing so will render your warranty void.
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NOTICE!	Ensure that all surfaces are free from dirt or sand prior to the assembly. This is particularly important when assembling the glider onto the mast.
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NOTICE!	Grease the threads of the screws supplied in the Screw kit properly using the anti-seize grease provided in the Tool kit.
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NOTICE!

Over tightening screws can cause irreversible damage to the inserts. Doing so will render your warranty void.

NOTICE!

Use the tools provided in the scope of delivery. Using the wrong tool will damage the screw heads and threads and create sharp edges that will cause harm.

4.1 CONNECTION OF YOUR LEVITAZ FREE SERIES GLIDER



Remove the M6 x 60 panhead screws.



Position the front wing onto the bottom of the mast whilst ensuring the correct position is maintained.

Tip: If you first mount the mast onto your board, you can ensure a safe and secure positioning. See chapter 4 "Connection to the board".

Make sure that the holes of the steel part and mast are in exact alignment.



Due to the tapered design of the box connection between the glider and the mast, it is very important that you carefully tighten each screw evenly (Matching turns of each screw at a time).

If you tighten one screw significantly more than the other, the glider could locate unevenly and damage the box connection.

Tighten the screws to 9 ± 1 Nm tightening torque using the Torx TX30 tool (A) until the frontwing is fully secured and the screws are tight.



Connect the front wing and the stabilizer using two M6 x 20 countersunk screws.

Place the stabilizer onto the center bridge so that it is initially guided and centered by the contact surface. Make sure that the threaded holes in the titanium part are aligned with the mounting holes of the stabilizer.



Insert the screws carefully by hand and ensure that they engage smoothly without resistance. Do not force the screws. Once both screws are correctly engaged, tighten them evenly and alternately to a tightening torque of 9 ± 1 Nm.

Before final tightening, check that the stabilizer is positioned centrally and aligned correctly. The stabilizer must be mounted centered on the front wing connection to ensure proper function and performance.

Note: Since the front wing and stabilizer are delivered as separate components, each component is supplied with 2 x M6 x 20 countersunk screws.

For the assembly of the front wing and stabilizer, only two screws are required. The additional two screws are intended as spare screws.



Tip: Move the glider left and right by pushing the front wing on the left and right side. Re-tighten the screws to 9 ± 1 Nm tightening torque.

Tip: After a first quick session on the water the screws should be checked again and retightened if needed to 9 ± 1 Nm tightening torque.

NOTICE!	Do not overtighten screws as they are subject to extreme loads. Screw tightness should be checked regularly.
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NOTICE!	Ensure that the mast box, mast threads and frontwing box are free from dirt or sand prior to the assembly. While transporting the mast disassembled always keep the screws screwed in the threads to avoid dirt or sand to enter.
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4.2 FINAL CONTROL OF THE CORRECT ASSEMBLY

Check your hydrofoil prior to each use. Ensure that the screws are tight and there are no cracks, holes or scratches which could compromise your Foil System's structure.

WARNING!	The components of the Levitaz hydrofoil can have sharp edges. For users and any other personnel involved there is a danger of injury while the components are being assembled and while the Levitaz hydrofoil is in use.
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NOTICE!	Do not use power tools, hammer or any sharp objects for the assembly or disassembly process. This may cause serious damage to the product. Doing so will render your warranty void.
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4.3 DISMOUNTING YOUR LEVITAZ FREE SERIES HYDROFOIL

Disassembly must be performed carefully to avoid damage to threads, inserts and precision connection surfaces.

- Place the assembled hydrofoil on a clean and soft surface.
- Loosen screws evenly and remove them using the specified tool only.
- Do not use hammers, sharp objects or excessive force to separate components.
- After disassembly, clean all parts with fresh water and dry all parts thoroughly.
- Reinsert mast screws into their threads for transport in order to protect inserts from dirt.
- Store all components in suitable covers and a durable carrier bag.

5 MAINTENANCE AND CARE

- Clean all hydrofoil parts with fresh water after every use and dry the parts. Do not use alcohol or acetone, this will cause serious damage to the surface finish.
- To prevent oxidation of the screws and threads, we strongly recommend that before reassembling use greased screws.
- Check your hydrofoil prior to each use. Ensure that the screws are tight and there are no cracks, holes or scratches which could compromise your Foil System's structure.
- Do not overtighten screws as they are subject to extreme loads. Screw tightness should be checked regularly.
- Always store the disassembled product in suitable covers for optimal protection. This is to prevent unnecessary sun exposure, exposure to hot temperatures, scratches and other wear and tear.
- Do not place heavy parts on top of the product.
- Do not leave or store the product in cars when it is hot outside.
- Protect the product from direct sunlight or heat.

Storage Temperatures:

NOT PERMITTED	OPTIMAL	PERMITTED UP TO	NOT PERMITTED
< -30 °C (-22°F)	-10°C - +25°C (+14°F - +77°F)	+80°C (+176°F)	> +80°C (+176°F)

NOTICE!	Failure to do so may cause serious damage to the product and void the warranty.
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6 REPAIR INFORMATION

Always check your hydrofoil prior to each use. Ensure that the screws are tight and there are no cracks, holes or scratches which could compromise your Foil System's structure.

Inspected condition	Corrective Measure
Visible fiber failure or any other heavy damage like delamination (separation of the single layers of the composite).	DO NOT REPAIR the reinforced plastic components! Dismantle the product and send it back to Levitaz.
Damaged screw head, damaged thread or damaged insert	Do not assemble the product. Replace the affected part or contact Levitaz service.
Scratches or surface damage	Inspect carefully. If damage reaches fiber layers or structural areas, do not use the product.
Screw does not turn in easily by hand	Do not force the screw. Check the threaded insert for sand, dust, salt or other contamination. Carefully clean the insert before assembly. This can be done with compressed air or, if necessary, with a suitable thread-cleaning tool. Thread-cleaning tools must only be used under professional supervision to avoid damaging the thread.
Unusual play, noise or movement between components	Stop using the product. Check assembly, screws and connection surfaces. Contact Levitaz if the issue remains.

If any other damage or wear to the product is identified but not described in this table, contact Levitaz to identify the appropriate corrective measure.

See <https://levitaz.com/contact>

7 PACKAGING AND DISPOSING OF USED PARTS

All parts are packed in cardboard boxes.

- Take the parts out of the boxes.
- Remove the packing protection from the product parts.
- Check the product parts for the completeness of its scope of delivery.
- Check the product parts for possible damage that may have occurred during transportation.
- The cardboard box and recyclable protective packaging can be recycled where local recycling streams allow it.

After replacing individual components:

- All metal parts can be recycled (scrap metal).
- All old fiber reinforced plastic parts must be disposed of as residual waste.

Federal, state and local regulations must always be observed when disposing of the product or parts thereof.

8 REPLACEMENT PARTS

Keep the parts' bar code label and invoice with this manual. This will help to speed up your order for replacement parts or any possible troubleshooting.

NOTICE!

Use only original Levitaz replacement parts.

Failure to do so may cause serious damage to the product and void the warranty.

9 SERIAL NUMBER

Each main component has an identification number of the model and an unique identifier number, the serial number.

The model identification is always starting with „G“ followed by 6 digits. (Gxxxxxx)

The unique identifier number, the serial number, has 8 digits. (Xxxxxxxx)

The serial number is placed on the inside of the titanium box.



The serial number is placed on top of the masts plate. Additionally you find a QR code which leads you to several guidings for your product.



The serial number is placed on the mounting area of the stabilizer.



10 WARRANTY POLICY

This warranty applies to Levitaz Free Series hydrofoil components and covers major defects in materials or workmanship in accordance with the applicable statutory warranty rights.

The Levitaz Free Series is a high-performance freeride hydrofoil system designed for normal recreational use on water. The product may be used for wing foiling, kite foiling, surf/prone foiling, downwind foiling, pump foiling and use with compatible foil-assist systems, provided that it is assembled correctly, used within the rider's skill level and used in suitable conditions.

No hydrofoil product is indestructible. Carbon and metal components are exposed to high dynamic loads during use. These loads increase significantly during jumps, hard landings, crashes, impacts, high-speed maneuvers, use in waves, use in turbulent conditions or when the rider loses control.

Controlled jumps and clean landings within the rider's skill level do not automatically void the warranty. However, damage resulting from uncontrolled crashes, hard landings, violent water impacts, impact with objects, overload, loss of control or use beyond the rider's skill level is not considered a material or manufacturing defect and is not covered by this warranty.

Levitaz reserves the right to make the final warranty assessment, to the extent permitted by applicable law. This assessment may require inspection of the product, clear photos or videos, proof of purchase, serial numbers and information about the complete setup and the conditions in which the product was used.

This warranty does not cover damage caused by misuse, abuse, neglect, accident, impact, overload or normal wear and tear. This includes, but is not limited to:

- damage caused by uncontrolled crashes, hard landings or crash landings after jumps;
- damage caused by high-speed impacts with the water after loss of control;
- damage caused by impact with the seabed, rocks, reef, sand, obstacles, floating objects or any other hard object;
- damage caused by use in shore break, breaking waves, shallow water or unsafe conditions;
- damage caused by use beyond the rider's skill level or outside suitable conditions;
- damage caused by incorrect assembly, incorrect screw tightening torque, loose screws, dirty connection surfaces or use of unsuitable tools;
- damage caused by the use of non-original components, incompatible parts or unauthorized modifications;

- damage caused by foil-assist systems if the damage results from the drive system itself, incorrect installation, additional modifications, motor or propeller contact, battery impact, overheating or overload;
- damage caused by improper handling, transport, storage, cleaning or maintenance;
- cosmetic damage, scratches, paint chips, surface wear or other normal signs of use that do not affect the structural integrity of the product;
- damage caused by continuing to use the product after damage, unusual play, noise or movement has been detected;
- damage caused by unauthorized repair, modification or alteration of the product;
- damage to products with removed, altered or unreadable serial numbers.

Commercial use, rental, teaching, school operation, demo center use, test center use or any other non-private use is not automatically excluded from warranty coverage. However, such use is only covered if it has been explicitly approved by Levitaz in writing or regulated under a separate Levitaz partner, demo or rental agreement. Without such written approval or agreement, warranty coverage is limited to normal private recreational use.

If a product is used commercially or as demo, rental, teaching or test equipment under a written Levitaz agreement, the warranty is limited to proven material or manufacturing defects. Damage caused by increased wear, frequent user changes, improper handling by third parties, insufficient maintenance, crashes, impacts, overload or use outside the instructions in this manual is not covered.

The rider is responsible for choosing a suitable setup according to body weight, skill level, riding style and conditions. Use of an unsuitable setup, use beyond the rider's skill level or use in unsuitable conditions may lead to overload or damage and is not covered by this warranty.

If a product is deemed defective by Levitaz due to a material or manufacturing defect, the warranty covers the repair or replacement of the defective product only. Levitaz shall not be responsible for any indirect costs, losses or damages, including but not limited to loss of use, travel costs, rental costs, event fees or other consequential costs.

No product may be returned without prior authorization from Levitaz or an authorized Levitaz dealer.

This warranty does not affect your statutory rights.





FLY OVER WATER

LEVITAZ HYDROFOILS
a brand of Geislinger GmbH
Hallwanger Landesstr. 3
5300 Hallwang / Salzburg
AUSTRIA
office@levitaz.com
www.levitaz.com

