

 **airinside**
by flikka boards

USER MANUAL MAINTANCE GUIDE

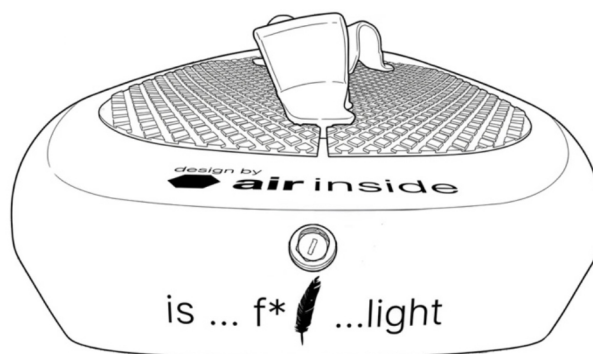
Congratulations on choosing an Airinside Board. You are now riding one of the most advanced wingboards on the planet. By fusing ultra-high-grade Prepreg Carbon with a precision Honeycomb core, we have engineered a hollow board that redefines stiffness, weight, and direct feedback.

To ensure your board maintains its peak performance, please follow these guidelines carefully.

1. The Heart of the Board: Automatic Pressure Equalization

Because your Airinside board features a hollow-chamber construction, internal air pressure fluctuates with temperature and altitude.

- **Automatic Balancing:** Every board is equipped with an **automatic pressure relief valve**. It balances pressure autonomously—whether you are on the water, on a hot beach, or traveling by airplane.
- **Crucial Warning:** Never attempt to "inflate" the board using a pump or by mouth. This can cause immediate and irreversible structural damage to the hollow board.



2. Water Drainage (Emergency Protocol)

Should water enter the board due to mechanical damage (e.g., a hard impact with a rock), it can be drained easily.

- Use the provided tool to carefully unscrew and remove the valve (back off the board – see graphic above)
- Allow the board to drain and air-dry completely in a shaded, well-ventilated area.
- **Reinstallation:** When putting the valve back in, apply only light pressure (**max 0.6 Nm**).

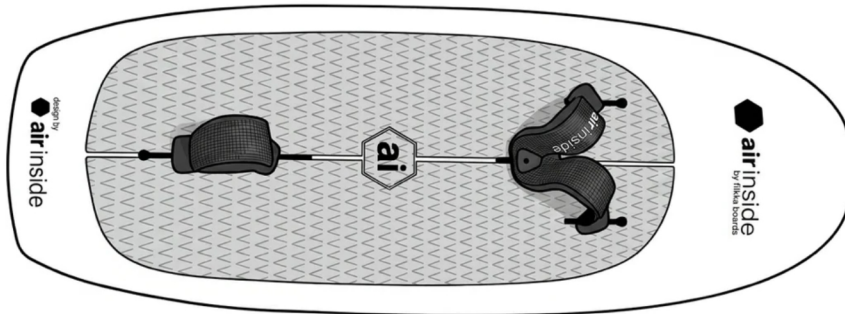
3. Valve Maintenance

The valve is a high-precision component. To ensure the membrane functions correctly:

- **Avoid Contamination:** Keep the valve free from oils, sunscreen, salt crusts, and aggressive cleaning agents.
- **Rinse with sweet water** every now and then
- **Service Interval:** We recommend replacing the valve **every 1–2 years** to ensure 100% airtight integrity.
- **Note:** Do not remove the valve unless absolutely necessary (i.e., if there is water inside).

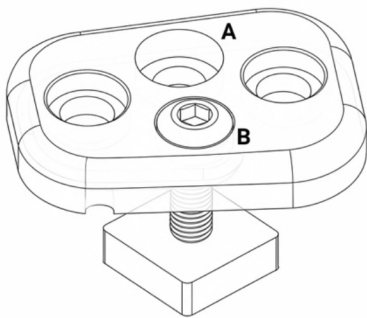
4. Setup: Footstraps & Adjustments

Your board is delivered with pre-installed straps. You can adjust width and position by slightly loose the screws and slide the footstrap back and forth – as the straps are mounted in rails instead of regular screw inserts.



To protect the high-tech chassis, observe the following:

- **The "Zero-Force" Rule:** When tightening your straps, stop as soon as you feel firm resistance. **Do not overtighten.**
- **Preventing Delamination:** If the screw reaches the bottom of the footstrap track, any further torque acts as a mechanical jack. This force can **delaminate the footstrap track** from the carbon skin, causing permanent damage – so if you need to tighten more:
- **Long-term Compression:** As the footpad compresses over time, use the **secondary offset hole** on the footstrap plate where the screw sits on top of the plate instead of 5mm more deep. This effectively "shortens" the setup, allowing for a snug fit without needing to over-torque the screws. Check View below.



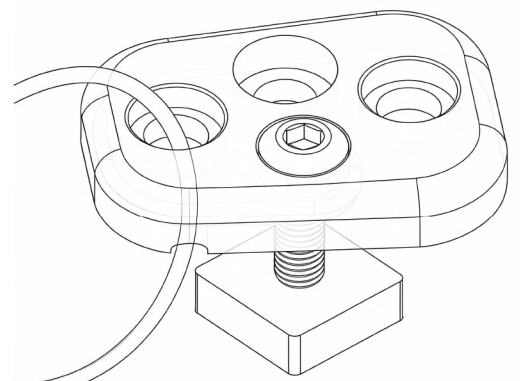
Position A: The screw is around 5mm in the Plate – which means it's approximately 5mm longer.

Position B: The screwhead floats on top, which is shorting the screw.

5. Leash Attachment

We utilize a clean, integrated system for the leash:

- **With Footstraps:** Feed the leash string through the channel in the footstrap-plate and then through the dedicated hole in the footstrap plate for a secure connection.
- **Strapless Setup:** If riding without straps, simply use the rear footstrap track. Insert one plate with a single screw and use the same threading technique described above.



6. Foil Mounting (T-Nuts & Hardware)

- **Compatibility:** Ensure your **T-nuts and screw lengths** are perfectly matched to your foil mast and the Airinside track system.
- **Warning:** Screws that are too long will damage the track bed; screws that are too short risk stripping the threads. Airinside is not liable for damage caused by improper hardware.

7. Repairs & Storage

- **Repairs:** The Carbon-Epoxy structure can be repaired like a normal sandwich board using **Epoxy resin** and carbon/fiberglass fabric. **Never use polyester resin.**
If you need help – just get in touch with us.
- **Storage:** Store your board in a dry place, preferably in a high-quality **board bag** to protect the carbon finish from UV radiation and impacts.



Ready for Takeoff?

Your Airinside board is a precision instrument. Treat it with care, and it will reward you with an unparalleled flight experience.

Welcome to the future of Wingfoiling. — *Team Airinside.*

PS: If you'd like to learn more about Airinside, our technology, or if you encounter any issues, feel free to contact us anytime or visit our website at **airinside.ch**

