



**FLYSURFER**  
KITEBOARDING

# USER MANUAL BOOST3

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# 01 SAFETY NOTES

**Read the entire Gear Guide online** thoroughly before using the kite, and strictly confirm to the procedures noted. **The following safety guidelines are only guidelines and do not claim to cover every instance.**

01. Kitesurfing is a **potentially dangerous sport**, that holds **risks for the athlete or the people surrounding them**. Incorrect use of this product may result in **serious injury or even death** for the user or third parties. Every user should be qualified by a FLYSURFER kiteschool or a FLYSURFER dealer.
02. The user carries the **sole responsibility** for themselves and third parties when using this product. The user must check their equipment for wear, especially wearing parts, before each kite session. Do a test activation of your quick release before every launch. This will ensure the system is working and reinforces the release instinct of the kiter.
03. The product may **only be used with original spare parts**, and may not be modified.
04. This product has been designed for riders weighing 40-120kg. We cannot guarantee the proper functioning of the product outside of this weight range.
05. Never kite in unsuitable conditions such as storm fronts, lightning, or offshore winds. Check the weather and wind conditions carefully and choose the according kite size.
06. Check out the kiting spot beforehand. Make sure you are aware of any risks such as obstacles, shallows, currents and bans. Also be aware if a rescue craft can get to you in case of an emergency. It is always best to ask people (locals) who know the area well.
07. Keep a safety margin of at least two line-lengths downwind of you, and never kite near people or obstacles. Kiting near powerlines, roads, airports, cliffs, etc. is extremely dangerous.
08. Make sure that someone is looking out for you and that help is there if you need it. Never go out alone. Never kite further away from shore than you can swim back.
09. The incorrect usage of lines creates a high risk of injury for yourself as well as others. Body parts that get caught in the lines of the kite may suffer from severe injury or burns.
10. Only use bars with a safety system that you can open in emergency situations. Use a quick-release kite leash so that you can disconnect your body from the product in case of an unforeseeable emergency.

## 01.01 Do not fly with kites

A kite is not designed, tested or licensed as an aircraft or flying device. The use of a kite as a flying device is illegal and not covered by insurance. **Flying** with this product **can lead to death!**

# 02 OVERVIEW OF THE KITE



### 1 SHORT BRIDLE SYSTEM

The BOOST3 profile forms a highly efficient system when combined with the new Short Bridle. Precise turning and massive depower united in one kite. The short bridle allows the BOOST3 to feel responsive and direct even when depowered. The angle of attack can be controlled precisely through the bar and makes the BOOST3 a big air and upwind machine. Steering forces can also be easily adjusted to suit personal preferences.

### 2 HIGH LOAD FORCE FRAME

The High Load Force Frame sets the standard for FLYSURFER Kiteboarding L.E.I. kites and provides the necessary structure to keep the kite extremely rigid – a sturdy frame made of tightly woven high-strength brand fiber from DuPont, which is fixed and tempered with resin. We only use high quality materials offering a stable frame with low elongation (stretch), high tear strength, no moisture absorption, very good UV resistance and almost no deformation of the kite even at maximum load. The optimized shape of the High Load Force Frame results in a clear, clean air flow that improves the overall performance of the kite, its depower and flight stability.

### 3 ADAPTIVE AIRFOIL BRIDLE

Profile adjustment – like sailing or on airplane wings – this is the idea behind the Adaptive Airfoil System. A minimalistic trailing edge bridle makes it possible to adjust the profile of the kite during flight. Especially noticeable on the excellent low end or when relaunching.

### 4 3D SHAPE & STRUT DESIGN

The new FLYSURFER 3D Strut Design is simple, low-weight and robust. A durable construction for countless hours on the water, perfect for everyday use and a trusted feature that kite schools can count on. Thanks to this technology, it is possible to build a stable, smooth and highly performance-oriented profile. The result is reflected in excellent hangtime and up-wind performance.

### 5 FREE FLOW

The completely redesigned Free Flow 2.0 valve allows the greatest possible airflow rate with maximum user-friendliness. By simply pressing a button, the valve is opened or closed comfortably, enabling fast effortless inflation or deflating.

### 6 SELF LAUNCHER

With the Self Launcher, we are offering you a tool to easily solo-launch the BOOST3. Position the kite at the edge of the wind window, connect the sandbag (which comes with the kite), or any other bag and place this on the ground. Once the kite lines are tensioned the Self Launcher automatically releases safely at just the right moment.

+ LIROS is a leading European company who specializes in high quality technical rope solutions. Thanks to Dyneema core fibers, line diameter is reduced while retaining equal breaking loads.

+ This feature forms the necessary structure to keep the kite extremely dimensionally stable. We only use high quality materials, such as Polyant 175LL Dacron for the leading edge and struts and proven Teijin TECHNO FORCE D2.

+ The Adaptive Airfoil Bridle is included with sizes 13.0 and 15.0 and is optionally available for size 11.0. We recommend the bridle to all hydrofoilers who want to simplify the reverse start in light wind.

+ The optimized strut design allows quick repairs and easy patching in case of any damage.

+ The Free Flow valve is compatible with SUP pumps. When using conventional pumps you need a bayonet adapter, this adapter comes with the kite and is fitted inside a neoprene pocket on the middle strut of the BOOST3. The optimum air pressure is printed next to the valve and depends on the size of the kite.

+ Nicely packaged and efficiently solved, the Self-Launcher by FLYSURFER offers a secure way to solo-launch your kite yourself.

## 03 HANDLING

### 03.01 Aufbau



Lay the kite out on a surface free of hard or sharp objects. Turn the kite with the leading edge into the wind. The bottom side of the kite turned up. Weigh the wingtip down with a suitable object (kiteboard, sand, etc.). Inflate the kite until all struts and the leading edge are bulging and close the valve. Please note the PSI guidelines.



*Always secure the kite! Turn the kite around so that the leading edge lies on the ground and points into the wind. Weigh the kite down with sand or any other soft and heavy object.*

### 03.02 Attaching the bar



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Make sure that the steering lines are connected to the corresponding colored attachment points.

## 04 LAUNCHING

Please check not only the wind and weather conditions, but also all your equipment, especially the safety system before launching. Do not use any kite outside of its recommended upper wind range. When launching in strong winds, we recommend that you have an assistant holding you from the back of your harness. During launching, always pay attention that your bridle lines do not get caught on anything or become tangled.

### 04.01 Wind window edge with assistant on the L.E.I kite



It is important that your assistant is experienced with this technique and you have explained them how it's done. Position the kite and assistant exactly on the edge of the window.

**Note:** Get aligned properly with the wind, the assistant retains his position and is not moving around.

Pick up the bar and signal the starting assistant that he/she can raise the kite in a C-shape with the front tube facing the windward side. Make sure all lines are clear and your assistant is in the right position. If you feel a steady pull in the kite, give the assistant the sign to let go.



## 04.02 Launching with Self-Launcher

With the Self Launcher, we are offering you a tool to solo-launch the BOOST3. Position the kite at the edge of the wind window, connect the weighed down sandbag (which comes with the kite) and place this on the ground. Once the kite lines are tensioned the Self Launcher automatically releases safely at just the right moment.



## 05 RELAUNCH

### 05.01 With one steering-line



Pull on one leader-line and keep pulling until the kite launches at the edge of the wind window. As soon as the leading edge of the kite points up put your hand back on the bar. Depower the kite till its back in the sky and move it towards the zenith.

## 05.02 Reverse Launch

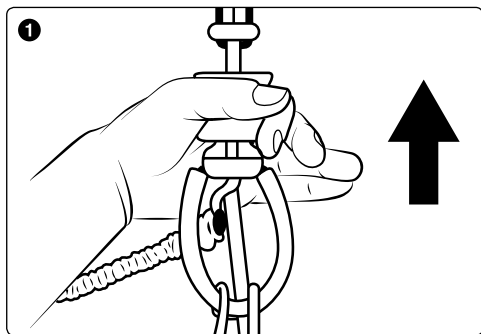


Pull in both leader-lines as far towards yourself as possible to reverse the kite off the water. Strong pulls or pumping the lines may help in light winds. If the kite does not release from the water, grab the leader lines higher up.

When the kite is at least one wingspan above the water, let go of one of the leader lines. Make sure you keep hold of the other one and the bar is in the right position. The kite will now spin around. As soon as the leading edge of the kite points up let go of the remaining leader line and put your hand back on the bar. Depower the kite till its back in the sky and move it towards the zenith.

## 06 SAFETY SYSTEM

### 06.01 Activating the Quick Release



*Pay attention, even after the activating the Quick Release the kite can still continue to pull. If danger remains, it may be the right decision to completely disconnect yourself from the kite.*

## 06.02 Reactivating the kite



*Make sure the lines of the control bar have not wrapped around body parts. Do not let the safety end line slip too fast through your fingers to avoid burns and cuts.*

## 07 LANDING WITH AN ASSISTANT

Signal an assistant who knows how to land your kite, that you want to land. Lower the kite towards the assistant along the edge of the wind window. The assistant can now approach the kite and grab hold of the leading edge of the kite.



**Warning:** The helper should never grab any lines or grab the kite on the trailing edge side.

## 08 PACKING UP



## 09 KITE CARE

FLYSURFER kites are very durable and very UV and saltwater resistant. With proper care, your kite may last even longer. Eventual color changes of the cloth can be caused by environmental causes, UV-exposure, mechanical strain as well as it getting dirty. A color change has no influence on the flight characteristics whatsoever and is not covered by warranty.

### **Do not leave the kite exposed to the elements**

People who pack away their kite right after a session, or for a longer break, will minimise the amount of time the material is exposed to the sun and flapping in the wind, extending the "active" lifespan of their kite.

### **Drying**

If a kite is packed away wet and left for a long period of time it can develop ugly mildew spots, rust on the metal parts or color bleeding of the cloth. This does not effect how the kite performs, but will reduce the value of your kite. In extreme cases the kite may get mouldy. To dry, simply continue to fly the kite until the canopy is dry.

### **Rinsing**

Rinse your kite from time to time with clear water, after using it in salt water, and leave it to dry in the shade. Do not use any detergents. The warranty will be void after the use of detergents on the cloth.

### **Check**

Check all parts of the kite before each use. Especially parts that can wear out. Material failure on those parts can lead to further damages, or put the kiter at risk.

## 10 FREE-REPAIR

New kites which are privately purchased from FLYSURFER are covered by our Free-Repair Warranty. The time period for eligibility begins on the purchase date shown on your receipt. Thanks to this unique service, which comes in addition to the standard manufacturer's warranty, your product is protected against almost any damages that may occur during the first year. Repair claims can may be sent directly to FLYSURFER Kiteboarding or to one of our selected service partners worldwide.

The service does not apply to kites that are used commercially (teaching, rental, etc) and does not apply to damage resulting from acts of negligence (e.g. contact with obstacles) or damage that has been done on purpose by the user. Race and school products are excluded from the 12 month Free-Repair Warranty.

### **10.01 Repair & Spare Parts**

Repairs can be done at either our workshop in the head office, or by a Flysurfer sales partner who offers a repair service. High quality original spare parts for all our Flysurfer products can be ordered directly from our Online-Shop: [shop.flysurfer.com](http://shop.flysurfer.com)



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