

EN

CONNECT³ USER MANUAL

Version 01-2025

FLYSURFER

INHALT

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01 RELEASE OF LIABILITY

Release of liability, claim waiver, assumption of risk

By assembling and/or using this FLYSURFER product, you agree that you have read and understood the entire FLYSURFER product manual, including all instructions and warnings contained in that user manual, prior to using the FLYSURFER product in any way. You additionally agree that you will ensure any additional or subsequent user of your FLYSURFER product will read and understand the entire FLYSURFER product user manual, including all instructions and warnings contained in that user manual, prior to allowing that person to use your FLYSURFER product.

Assumption of Risk

FLYSURFER product and any of its components involve certain risks, dangers, and hazards that can result in serious personal injury and death to both the user and to non-user third parties. In using this FLYSURFER product, you freely agree to assume and accept any and all known and unknown risks of injury and you and third parties while using this equipment. The risks inherent in this sport can be greatly reduced by abiding by the warning guidelines listed in this user manual and by using common sense.

Claim Waiver

Release and waiver of claims in consideration of the sale of the FLYSURFER product to you, you hereby agree to the fullest extent permitted by law, as follows:

To waive any and all claims, that you have or may in the future have against Skywalk GmbH & Co. KG and all related parties resulting from use of the FLYSURFER Product and any of its components. To release Skywalk GmbH & Co. KG and all related parties from any and all liability for any loss, damage, injury or expense that you or any users of your FLYSURFER product may suffer, or that your next of kin may suffer, as a result of the use of the FLYSURFER product, due to any cause whatsoever, including negligence or breach of contract on the part of Skywalk GmbH & Co. KG and all related parties in the design or manufacture of the FLYSURFER product and any of its components. In the event of your death or incapacity, all provisions contained herein shall be effective and binding upon your heirs, next of kin, executors, administrators, assigns, and representatives. Skywalk GmbH & Co. KG-related parties have not made and expressly deny any oral or written representations other than what is set forth herein and the FLYSURFER User's Manual.

If you have any questions (repair, replacement parts installation, tuning, etc.) the dealers you trust get faster help and correspondingly cheaper support (e.g. by saving shipping costs).

You can find all dealers in your area via our partner map:

<https://flysurfer.com/fs-partner/>

If you need further help, you can reach us at headquarters by phone or email.

E-Mail: support@flysurfer.com

Phone: +49 (0) 8641 6948 0

02 SAFETY NOTES

Read the entire Gear Guide online thoroughly before using the control bar, and strictly conform 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/ trained** 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 on wearable 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 power-lines, 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 engage in emergency situations. Use a quick-release kite leash so that you can disconnect your body from the product in case of an emergency.

02.01 Do not fly with kites

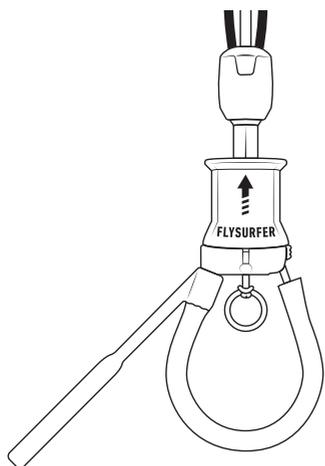
A kite is not designed, tested or licensed as an aircraft or flying device. The use of a kite as a flying device is illegal and not covered by insurance. **Flying with this product can lead to death!**

04 SAFETY SYSTEM



Our Quick Release systems are fully functional in temperatures down to -5°C or 23°F . Their function below -5°C or 23°F temperatures is not guaranteed.

To avoid operating errors, knowing everything about the handling and functions of the Quick Release is essential; carefully study this instruction.



Before kiting, check the Quick Release system (QR) for functionality and perform a test release. The QR must not be dirty, sandy, or frozen to ensure full functionality. Nothing may be wrapped around or stuck or glued to the QR. The Quick Release systems by FLYSURFER are designed to be used with harness hooks. You need a specially reinforced chicken-loop to use a ring or rope-/slider harness. If you use the standard FLYSURFER chicken-loop, the functionality may be harmed, and you can cause damage to the chicken-loop!



Each FLYSURFER Control Bar is hooked into the harness hook with the help of the chicken-loop, located below the Quick Release, and secured to the harness hook with the chicken-stick. **Before every start, ensure the chicken-loop is correctly fastened to the harness hook.**

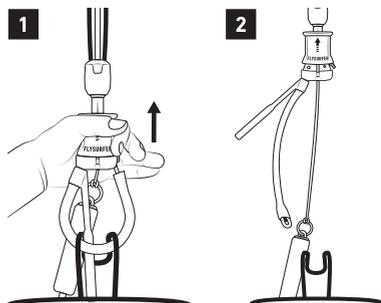
05 QUICK RELEASE

05.01 Hooking into the harness

Hook the closed chicken-loop into the kite's harness hook. Turn the chicken-stick to the right position. Secure the chicken-loop in the harness hook using the chicken-stick.

05.02 Activating a FLYSURFER Quick Release

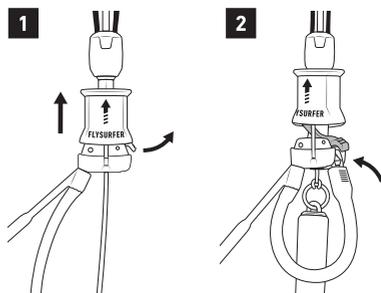
To detach yourself from the kite in an emergency, the orange release handle simply needs to be pushed away from the body. This will open the chicken-loop and the FLYSURFER control bar will slide to the kite on the safety line. The kite falls and blows off safely with minimal residual pull on the safety line.



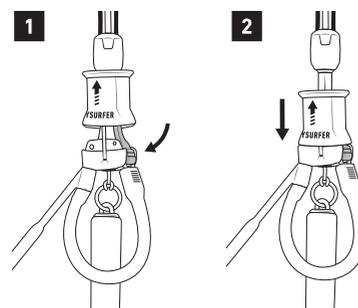
05.03 Assembly of a FLYSURFER Quick Release

Keep the FLS Line pulled in during assembly to prevent the kite from always flying and always keep an eye on your kite. Make sure that no line wraps around your hand, other body parts, the bar or the harness hook.

1 Hold the orange release handle up and make sure the release pin is in the open position. Place the end of the chicken loop over the release pin while holding the release handle open.

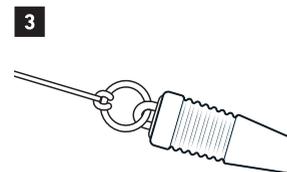
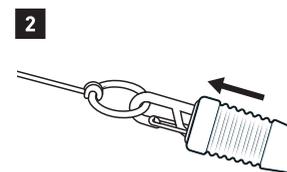
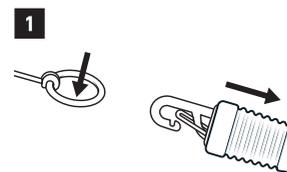


2 Press the release pin on the SIMPLE Quick Release and slide the release handle down to lock the latch.



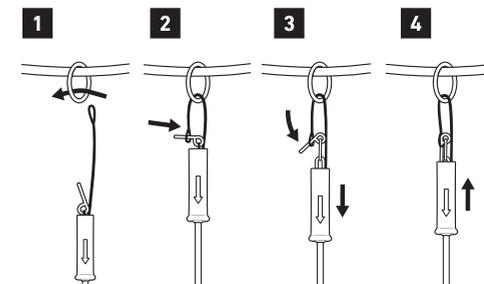
05.04 Safety Leash

The safety leash features a carabiner protected by an EVA cover that must be properly secured to the metal ring underneath the Control Bar Quick Release before launching a kite. In addition, the other end of the safety leash features a Release Handle to detach yourself from the kite in an emergency.



05.05 Attaching the Safety Leash

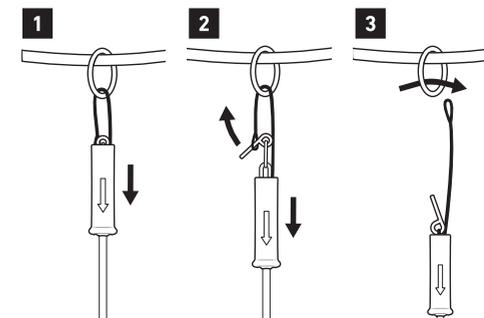
Insert the end of the grey leash line through the harness's metal ring. Insert the release in the small loop at the end of the grey leash line. Hold the release handle with one hand while folding the release pin towards it. Pull on the handle far enough to allow the release pin to enter it. Let go of the handle.



Attention: Correct installation of the safety leash on the harness (side or front) as described above is critical. Wrong assembly can be life-threatening in emergencies! Refer to the harness user manual to learn where to attach the safety leash on it.

05.06 Activating the Safety Leash

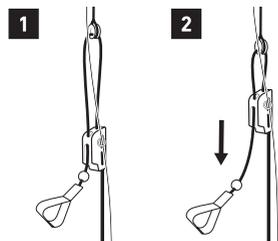
Grasp the release handle and push it away from your body.



06 CLAM CLEAT ADJUSTER

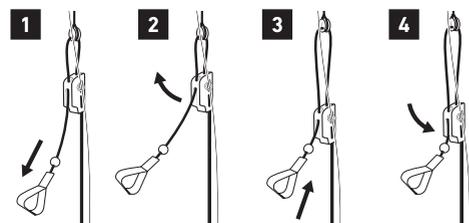
06.01 Depowering with the Clam Cleat Adjuster

Drag the black adjuster towards your body to regulate the power of the kite. Release the adjuster and the rope will jam in the teeth of the Clam Cleat.



06.02 Powering up with the Clam Cleat Adjuster

Pull the black adjuster a bit towards your body. At the same time you move the adjuster away from the Clam Cleat to release the rope from the teeth. Now let the leash slide back until you have the desired power in the kite and clamp the adjuster back in the teeth.



06.03 CONNECT Control Bar Unwinding System

Grab the head of the Quick Release system with one hand and turn it against the line twist.

FLYSURFER recommends cleaning the IQuick Release system of sand, salt and dirt with clear water after your session.

07 UNWINDING AND SORTING OF THE FLYING LINES

- 1 Lay the lines loosely on the ground when unwinding.
- 2 Slide the lines through your fingers and check for knots or damaged areas..



- 3 Lay the front and back lines fanned to the ground.

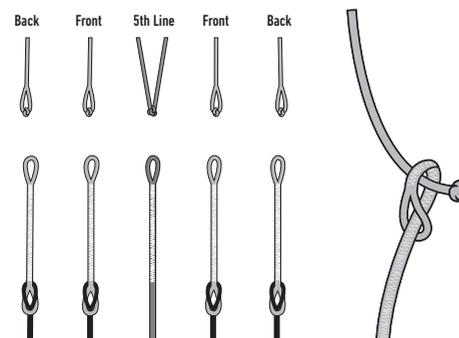
Pay attention to the color coding when connecting the control bar with your FLYSURFER kite.

08 CONNECTING THE FRONT- AND BACK-LINES WITH THE KITE

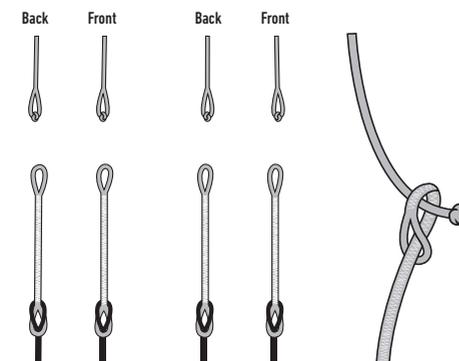
08.01 Connecting a PEAK / HYBRID / VIRON with Line Connectors

Line Connectors are designed to protect the flying line ends for kites who frequently connect and disconnect their control bar or use one control bar for multiple kites. We recommend leaving the Line Connectors (pigtails) off if the control bar remains attached to the kite.

- 1 Soften the lines before first use and tie a lark's head knot a few times.
- 2 Connect the front and back lines to the kite's front main and back main lines with a bow knot.
- 3 Always ensure that once the Line Connectors are connected to the kite, they are fully tightened by abrupt pulls.



Attach a 5-line control bar with Line Connectors



Attach a 4-line control bar with Line Connectors

09 ASSEMBLING THE B-SAFE SYSTEM

Attention: Only the FLYSURFER CONNECT Control Bar has the B-Safe System! The safety feature cannot be activated with other control bars!

09.01 Assembling the B-Safe Main Lines on the PEAK

- 1 Take the grey B-Safe Main Line out of the PEAK Bag and unwind it from the box.



- 2 Take the A-level of the PEAK and place it behind the leading edge and away from the kite.

- 3 Look for the two red LCL (Little Connection Lines) above the B-level as described in the line plan. Attach the grey line to them.

- 4 Make sure that the B-Safe Main Line of the PEAK is correctly positioned between the A and B levels and is attached to the red LCLs with a bow knot.



09.02 Converting the CONNECT³ Control Bar from FLS to B-Safe System

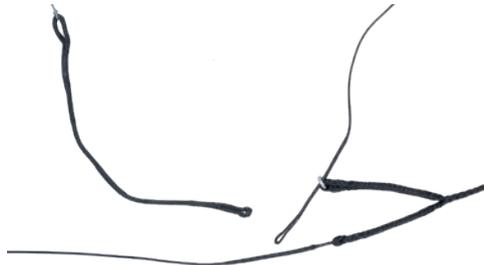


The CONNECT³ Control Bar is delivered as a 4-line system with FLS (Frontline Safety System). Remove the B-Safe line set from the CONNECT³ Bar Bag.

- 1 Unwind the flying lines to the front connector line (Y-split) and sort the back and front lines.



- 2 Disconnect the line connector from the black front line and connect it to the blue safety line.



- 3 Pull the black front line through the metal ring and disconnect it from the blue safety line.



- 4 Loop the black front line above the metal ring into the loop of the front connector line (Y-split). The metal ring must sit below the looped front line. Loop the black line connector back onto the black front line.



- 5 Unwind the blue B-Safe line from the cardboard.



- 6 Connect the blue B-Safe line to the blue safety line.



- 7 Pull the blue B-Safe line through the metal ring of the front connector line (Y-split). As the ring is small, it may require some force to pull the knots through.



- 8 Tie the blue B-Safe line with a bow knot to the small knot in the middle of the grey B-Safe main line of the PEAK.



09.03 Extending the B-Safe line

Attention: The B-Safe line length can be adjusted after heavy use. A B-Safe line that is too tight will affect the PEAK's flight behavior!

- 1 Find the overlapping section with two knots.



- 2 Open both bow knots and slide them over the knots.



- 3 Pull them tight to extend the B-Safe line.



10 CONVERT TO THE FRONT LINE SAFETY SYSTEM

10.01 Convert the CONNECT³ Control Bar from the 5-line B-Safe System to a 4-line Front Line Safety System

Remove the cardboard from the CONNECT³ Control Bar bag and set it aside within reach.

- 1 Disconnect all 5 lines (2 front lines, 2 back lines, and the B-Safe line) from the kite.

Attention: Proceed slowly when looping or unlooping the lines to prevent damage caused by friction!

- 2 Detach the Line Connector from the black Front Line and unloop it from the Front Connector (Y-split).

- 3 Remove the blue B-Safe line from the blue Safety Line and wind it onto the cardboard spool.



- 4 Now, loop the front line through the blue B-Safe line and guide it through the metal ring on the front connection line.



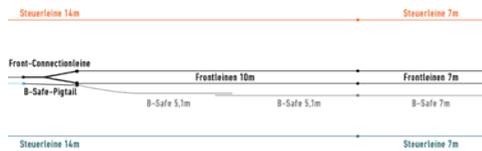
- 5 Reattach the line connector to the black front line.

11 SHORTENING THE FLYING LINES

11.01 Shortening the flying lines with the B-Safe System

The B-Safe System is fully functional even with 14 m flying lines.

- 1 Unwind the flying lines and sort the back and front lines.
- 2 Disconnect the connection between the B-Safe top lines (PEAK) and the B-Safe line.
- 3 Take either a back or front line.
- 4 Disconnect the 7 m extension line from the flying line (back or front line).



- 5 Push the extension line through the loop to open it. The B-Safe line does not have a line connector attached.



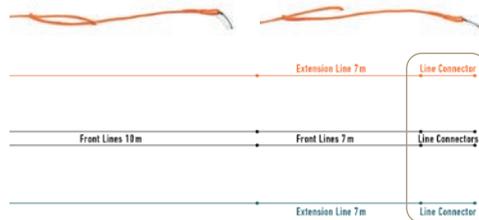
- 6 Unloop the extension line and repeat the process on the remaining three flying lines.
- 7 Connect all four connector lines to the appropriate back and front lines.



- 8 Connect the B-Safe line and all flying lines to the PEAK.

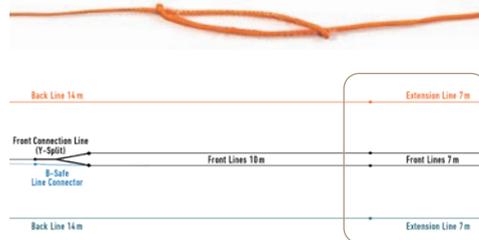
11.02 Shorten your flying lines with 4-line Front Line Safety System

- 1 Remove all Line Connectors from all four flying lines (Back- and front lines).



Store the Line Connectors in a bag or put it aside.

- 2 Thread the 7 m extension line through the loop of the flying line (Back- or front line) and remove it. Repeat this process on the other three flying lines and put them aside.



- 3 Attach each Line Connector to the shortened flying lines (14 m). Repeat this process on the other three flying lines.



Wind all extension lines on the cardboard winder or stow them in a bag.

12 CONTROL BAR CARE

FLYSURFER Control Bars stand for innovation, functionality, and high-quality workmanship. Their lifespan can be increased significantly with the right care.

Any discoloration of the Control Bar can be attributed to environmental factors, mechanical stress, UV radiation, and soiling. Discoloration does not affect the control bars functionality.

Prevention

FLYSURFER recommends a thorough check of all individual parts immediately before and after using the Control Bar. Avoid contact with sharp-edged objects, strong UV exposure and long storage times when wet.



Check the functionality of the quick release system and avoid soiling, silting and icing.

Drying

To avoid mold stains, discoloration or, in extreme cases, mold, the Control Bar must be packed dry. The function of the control bar is not restricted by this.

Rinsing

The Control Bar should be rinsed with clean, fresh water after several days of saltwater use. The use of cleaning agents damages the coating of the Control Bars parts and voids the warranty.

Check

Check all Control Bar parts for wear before each use. Material breakage can lead to emergencies or injuries.

Each FLYSURFER Control Bar has different breaking loads. The recommendations on our website must be followed.

13 MAINTENANCE

The main parts to check for wear on a FLYSURFER Control Bar are all lines, all elastics, pulleys, Line Connectors and the grip. Depending on usage, lines or other components must also be serviced during the life of your Control Bar. Failure to maintain the kite can cause further damage and void the warranty.

Dirt and heavy use can shorten flying lines and the safety end line. A bar setup check and measurement of the flying lines is recommended at regular intervals.

13.01 Measuring of the flying lines

- 1 To measure the flying lines of the CONNECT³ Control Bar unwind and sort them. Find a fixed point (rod, eyelet) and fix the bar in the powered state with the help of the safety leash or another line.



- 2 Loop a line through the center of the CONNECT³ Control Bar as shown in the picture.



- 3 Check if the adjuster is fully open.



Use two pens or screwdrivers to measure the flying lines.

- 4 Take the front lines in one hand and the steering lines in the other and thread a pen (or screwdriver) through the end of each line (Line Connectors).



- 5 Now tension the flying lines with approx. 10 kg. Hold the front and steering lines side by side and compare the line lengths.



- 6 If you notice a difference, use the knot ladder to lengthen or shorten the steering lines as described in the next point „Lengthening or shortening the steering lines“. All flying lines must be of the same length..



13.02 Extend a Steering Line

- 1 Push the floater along the steering leader line away from the bar stick. Expose the knot ladder beneath the floater.



- 2 Open the lark's head knot.



- 3 Move the knot to the by one or two knots. Tighten the connection.



- 4 Push the floater along the steering leader line until it sits on the winder.



- 5 Repeat this process on the other side of the control bar.

Attention: Choose the same position on both sides and make sure the knot of the steering leader line sits on top of it.

13.03 Exchange the Safety Line

Check the safety end line for damage. If the white core of the line is exposed, replace the line immediately.



- 1 Take the quick release and pull out the safety end line with the safety ring.



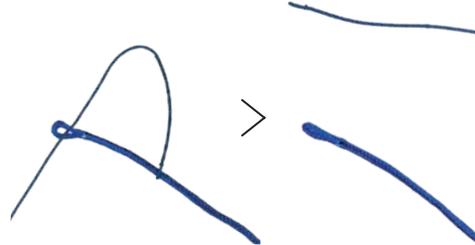
- 2 Carefully open the black cap of the swivel ball using a screwdriver at the notch.



Store the individual parts in your bag or place them next to you.

Make sure that the metal pin (swivel ball pin), the cap (swivel ball cap), the body (swivel ball) and the safety ring get not lost.

- 3 Take the B-Safe connector and open the connection to the B-Safe end line.

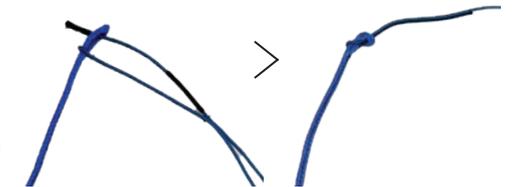


- 4 Take the new B-Safe end line from the cardboard wrapper.



Use the black marked end of the safety end line as a reference point.

- 5 Take the blue end of the B-Safe end line and slide its loop onto the B-Safe connector. Loop the black marked end of the B-Safe end line.



- 6 Thread the B-Safe end line through the ring on the Clem Cleat.



- 7 Thread the B-Safe end line through the eyelet of the bar stick.



- 8 Thread the B-Safe end line through the hole in the quick release.



- 9 Pull the B-Safe end line through the safety ring and the swivel ball body.



- 10 Insert the swivel ball pin into the loop of the B-Safe end line and insert it into the notch of the swivel ball.



- 11 Close the swivel ball with the swivel ball cap.



14 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

FLYSURFER

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