

**PLKB**  
**USER MANUAL**

**FOR CLOSED CELL DEPOWER FOIL KITES**



## **WELCOME**

Thank you for buying this Peter Lynn product, and welcome to the World of Peter Lynn, a world of wind driven excitement, where people passionately pursue their dreams whether that's freeriding at a local beach or enjoying the virgin snow on a back country adventure. Peter Lynn is there to help them pursue their dreams, Peter Lynn is here to help you pursue your dream, making you achieve your ultimate challenge. Are you ready?

Peter Lynn has been there taking challenges from the early days of the sport. Challenges to develop breakthrough ideas, make better products, improve performance and quality in all aspects of those products. We have the right kites for all kite disciplines, for any terrain and for all conditions. All this is realized by a passionate crew of kite sports enthusiasts and we invite you to join us. It's that passion that makes us fly.

Before any attempt to use this product, please ensure you pay full and careful attention to the contents of this manual. While traction kiting is an exciting and fun sport, it can be highly dangerous, especially if not all the necessary safety precautions are taken. So please make sure you learn this great sport in a safe way. Only then will you progress quickly and enjoy this beautiful sport to the max.

Enjoy!

## SAFETY INSTRUCTIONS

**CAUTION:** Kite powered sports can be very dangerous and physically demanding. The user of this product should understand that participating in kite powered sports may involve serious injury or death and agrees to observe the safety precautions listed below.

### *Safe location and weather conditions:*

- Stay away from power lines, roads, airfields, railway lines, trees and buildings.
- Never launch your kite in crowded areas. Do not fly your kite over bystanders.
- Make sure there is a 'clear' downwind area at least three times the distance of your flying line length.
- Never fly kites or use this product in thunderstorms, lightning or gusty/stormy winds.
- Never fly a kite or use this product with wind forces so strong that you are unable to maintain full control of your kite and its power at all times.
- Do not fly a kite or use this product when wind conditions are likely to change dramatically.
- Stop kiting immediately when a (thunder)storm is approaching.
- Make sure you are familiar with the location and local customs and laws before attempting any kind of kite sports.

### *Safe traction kiting:*

- A traction kite is not a toy and should not be flown by inexperienced persons and certainly not by children.
- Learn to fly kites by starting in light winds with a small sized kite.
- Never use any type of kite or this product for paragliding, parachuting or base jumping.
- Never use any type of kite or this product for jumping off high places like hills or cliffs
- Never use any type of kite or this product for any manlifting activity.
- Always wear fully protective gear.

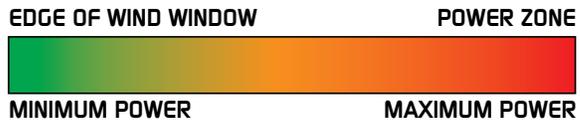
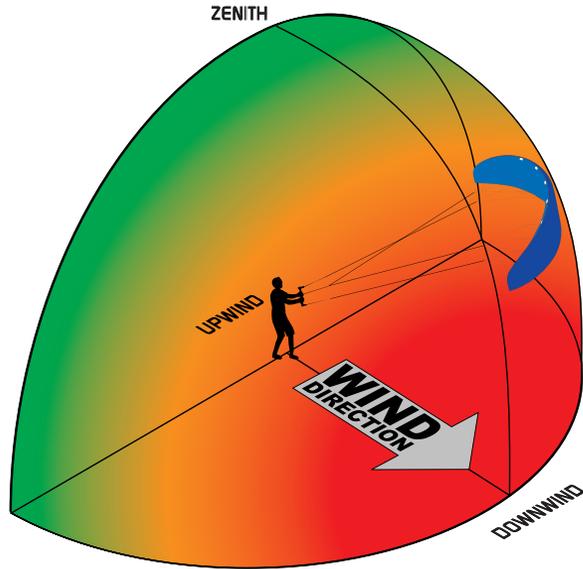
### *Safe kiteboarding:*

- Do not go kiteboarding in offshore winds.
- Be careful when kiting in onshore winds.
- We strongly recommend the use of helmet and life jacket/impact vest. A safety knife to cut flying lines in case of emergency is recommended.
- Do not kiteboard in spots already in use by swimmers or surfers.
- Beware of strong currents and sharks.
- Stay safely away from other watercrafts and shipping lanes.
- Never go further out to sea than you can safely swim back.
- Always make sure there is a capable person on shore that is keeping watch and is ready to provide (or call for) help in case of an emergency.
- We strongly recommend taking lessons from a certified kiteboarding school before using this kite on your own.

### *Safety issues when using this product:*

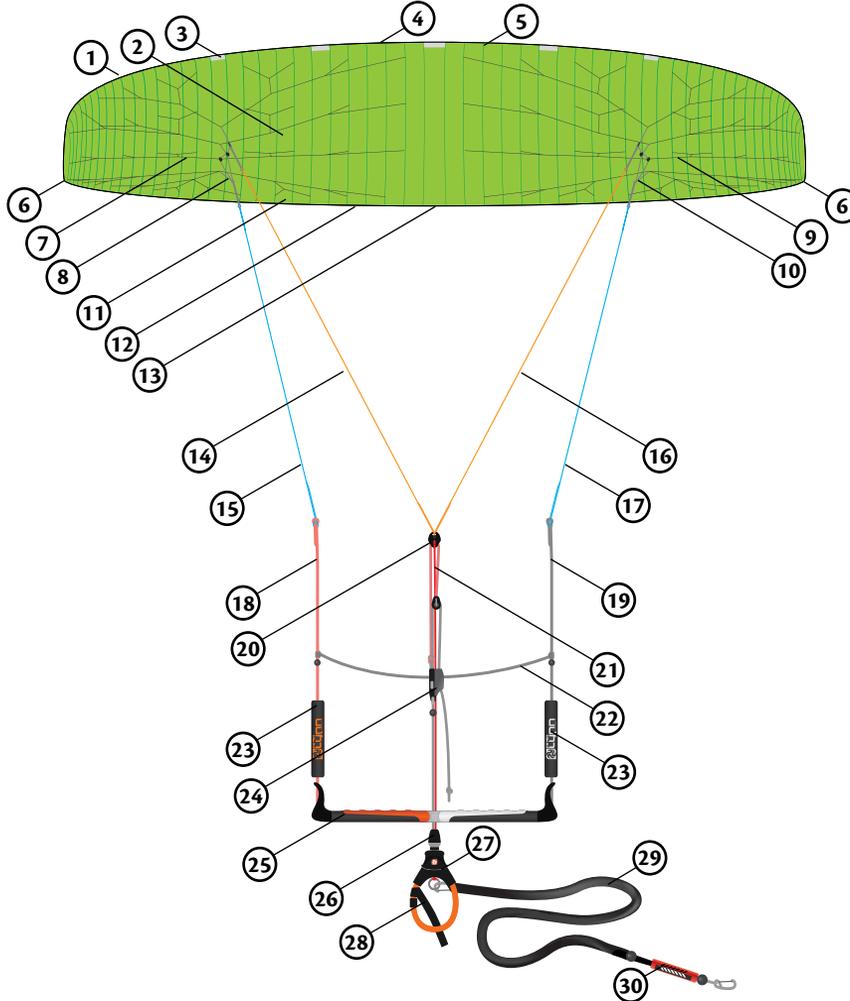
- Prior to every use of this product, fully check your equipment for any signs of wear and tear. Replace parts immediately where needed.
- Prior to every use of this product, check if your safety releases are still working properly and you are aware how to use it. In case the safety release does not work as it should, do not use this product and replace parts where needed.
- Only use this product for power kiting, buggy riding, landboarding and snowkiting.
- Only use this product when you are in a good state of health. Never use this product when under the influence of alcohol, drugs or medication.
- Do not alter, modify or change this product. Repairs should be done by a professional kite repair shop, sail repair shop, or by the Peter Lynn company.

# THE WIND WINDOW



Before flying your kite it is very important to understand the 'wind window'. The image shows where the kite will create the most power (straight downwind, also known as the 'power zone') and where the kite will create the least power (edge of the window and zenith).

## OVERVIEW & TERMINOLOGY



1. Top skin
2. Lower skin
3. Air inlets
4. Leading edge
5. Profiles with leading edge battens
6. Velcro dirt-outs
7. Left bridle
8. Left depower bridle
9. Right bridle
10. Right depower bridle
11. Dirt channel
12. Trailing edge
13. Deflate valve
14. Left top flying line
15. Left rear flying line
16. Right top flying line
17. Right rear flying line
18. Left leader line
19. Right leader line
20. Top flying line connection piece
21. Safety line
22. Relaunch handle
23. Floats
24. Power adjuster
25. Control bar with colour coded EVA foam
26. Swivel
27. Depower loop with primary quick release
28. Depower loop lock-in pin
29. Safety leash
30. Secondary quick release

## STARTING OFF

To start flying your kite you need to follow these steps:

- Step 1. Finding the right location to launch your kite.
- Step 2. Preparing your kite and bridles.
- Step 3. Setting up your bar and lines.
- Step 4. Checking your safety systems.
- Step 5. Launching the kite.

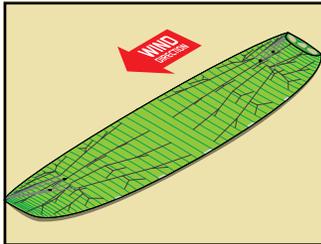
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### STEP 1. FINDING THE RIGHT LOCATION TO LAUNCH YOUR KITE

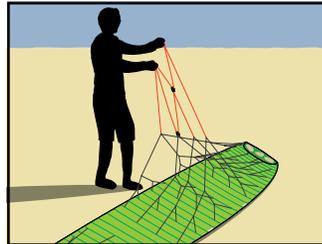
Find a spot to setup, away from airports, powerlines, trees and buildings. When launching, the area should be free of kitefliers or other people. Also make sure there are no sharp objects on the ground, to prevent any damage to your kite.

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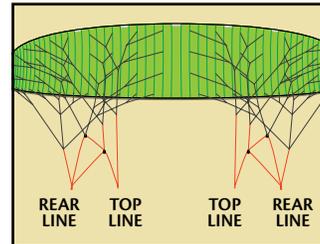
### STEP 2. PREPARING YOUR KITE AND BRIDLES



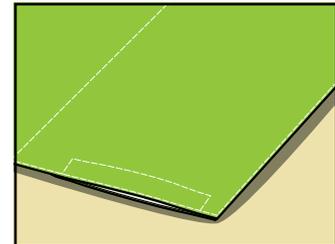
Take the kite out of the bag and unfold the kite. Place one tip on the ground with the lower skin upwards, and let the rest flap in the wind. Fold a small part of the tip over and place some sand on it.



The depower bridle is secured together in the Velcro dirt-outs in the tips. Remove the bridle loops from the dirt-outs and check that the bridles are not tangled.

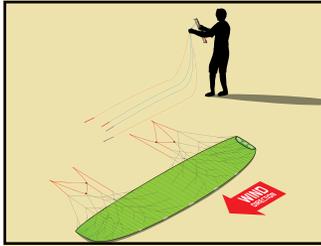


Place the depower bridle with pulleys flat on the ground, make sure these lines are free of tangles and twists. Place the rear line attachment point on the outside, the top line attachment points on the inside.

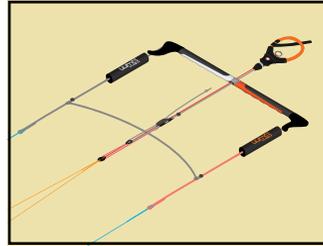


The three dirt-outs need to be closed before launch. Make sure the Velcro is clear of sand or dirt before closing the dirt-outs.

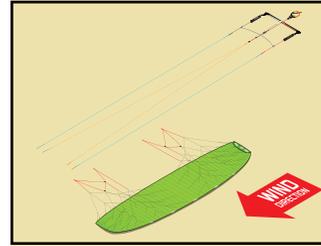
### STEP 3. SETTING UP YOUR BAR AND LINES



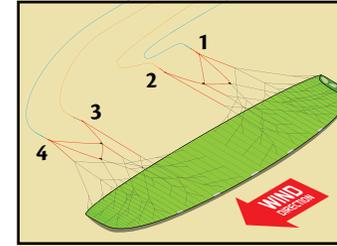
Starting at the kite, slowly walk backwards while unwinding your lines. Walk in the opposite direction of the wind, this prevents line tangles and enables you to launch easier and faster.



When finished unwinding your flying lines, make sure the lines have a little tension to straighten them out. Place your bar flat on the ground with the correct side up (orange colour on the left). Make sure all leader lines are untangled and not hooking behind any part of the bar.



Walk back toward the kite with the lines between your fingers, to remove any twist or tangles. Place the lines flat on the ground in a straight line along the trailing edge of the kite.



Attach the flying lines one by one starting at the upwind tip. Use larks-head knots to secure the flying lines to the bridle loops.

### LARKSHEAD KNOTS

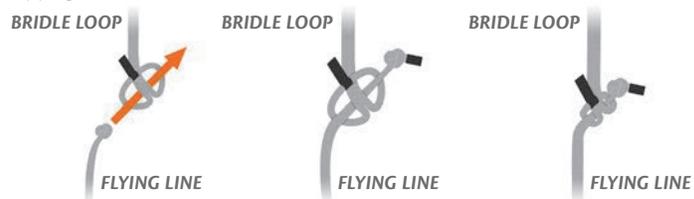
Take the sleeve of the flying line, and make a larkshead. Slide it over the knot on the end of the bridle loop. Pull the larkshead tight and slide it towards the knot on the end of the bridle loop.

Please note the knot and loop on the rear line attachments are reversed to prevent wrong attachment of the flying lines.

#### For Top flying lines



#### For Rear flying lines



## STEP 4. CHECKING YOUR SAFETY SYSTEMS

Before using this kite, please check the manual supplied with your bar on how to activate your safety systems and re-attach the release systems used. We recommend to test the safety system when using the kite for the first time so you are aware how the system works, how to activate it and how to re-attach it after activating.

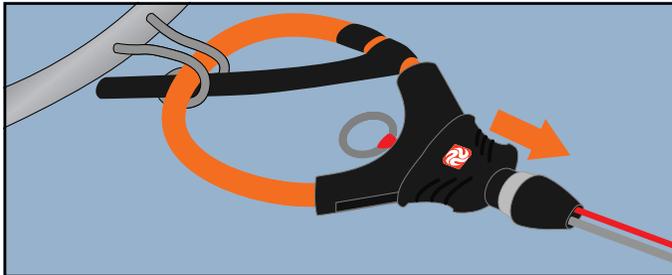
Never be afraid to use it because it can save your life!  
We recommend to check if your quick releases are in working order before every launch!

The safety system works in two steps:

**Primary safety** - If you need to lose the power of the kite without losing the kite itself, the primary safety release can be used. The kite loses its power but is still connected to the rider by the safety leash.

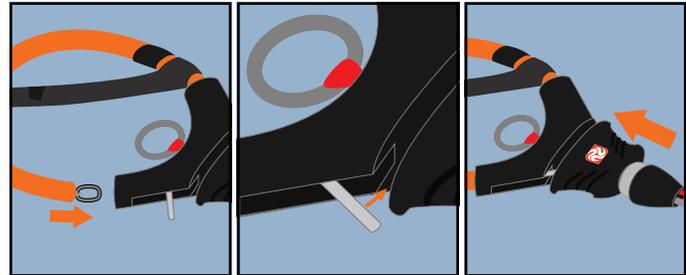
**Secondary safety release** - When the kite is still pulling after using your primary quick release, use the secondary release on the leash.

*Activating the primary quick release*



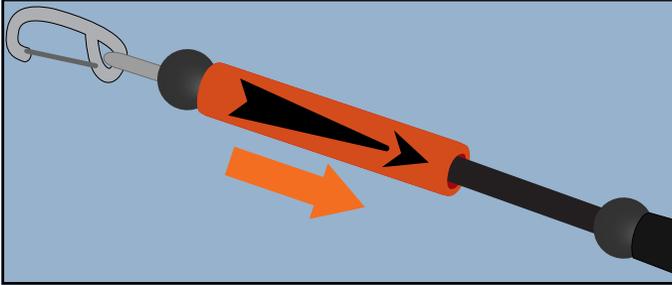
To activate your primary quick release, push the release cuff towards the kite.

*Re-connecting the primary quick release*



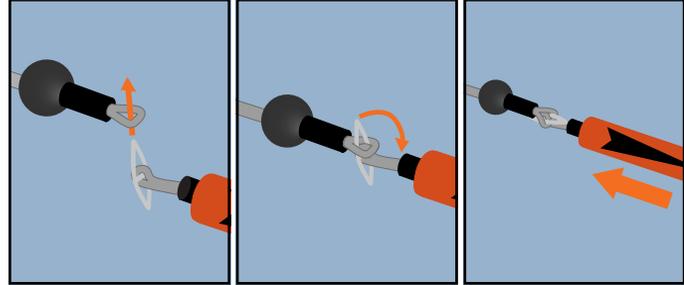
Re-connect the primary safety release by placing stainless steel ring on the end of the depower loop tube into the depower loop center piece. The pin will move to the inside of the depower loop. Slide down the release cuff to secure the pin. Always make sure all parts are free of sand and snow before re-connecting your safety system.

#### Activating the secondary quick release



To activate your secondary quick release, move the red release in the direction of the arrows.

#### Re-connecting the secondary quick release



Re-connect the secondary safety release by placing the loop over the stainless steel pin, folding the pin down and sliding the release cuff back in place. Make sure the release cuff is sitting right against the ball after reconnecting.

## WARNING!

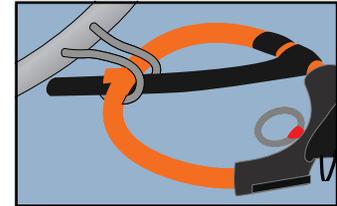
- The secondary safety system does not function if the primary safety on the depower loop is not pulled first.
- The secondary safety should only be pulled in case the primary safety was somehow not sufficient to completely depower the kite. Pull this safety only if there is no other way, as it will completely disconnect you from your kite. A loose kite might result in dangerous situations for bystanders or other kite flyers and may also result in permanent loss of the kite.
- When your kite is on the water, always be very careful with flying lines which are not tensioned. Make sure they do not get tangled behind any part of your body, harness or board.
- After using your safety system, putting tension on any of the other lines can cause your kite to take off and start to pull.

## TIPS REGARDING SAFETY SYSTEMS

- Check if your quick releases are in working order before every launch!
- Regularly rinse your bar and safety systems with tap water.
- After using your safety system, putting tension on any of the other lines can cause your kite to take off and start to pull.

## DEPOWER LOOP LOCK-IN PIN

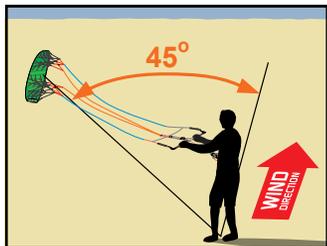
To prevent accidental unhooking of your depower loop, you can use the lock-in pin. Place the lock-in pin through the spreader bar hook, just below the depower loop tube.



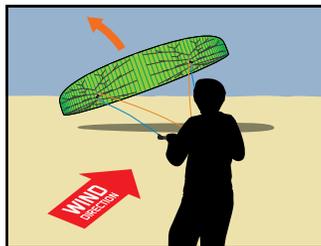
## LAUNCHING



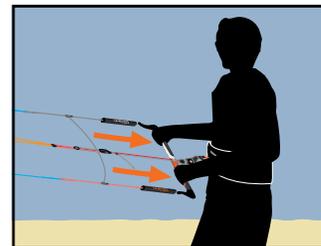
Make sure the kite is still secured from blowing away by some sand or other substance on the trailing edge. Attach the safety leash to the round ring on the end of the safety line. If you have sufficient experience flying a kite with a harness, you can hook in the depower loop.



Stand at a position so your flying lines are at about 45 degrees to the wind direction. The more you launch your kite directly downwind, the more power the kite will produce when launching.



Check again if the area is clear of people. Slowly take a few steps back until the kite launches. Steer the kite towards the edge of the wind window.



Keep the rear lines slightly tensioned until it has completely filled up with air. Now slowly let it fly up to the zenith.

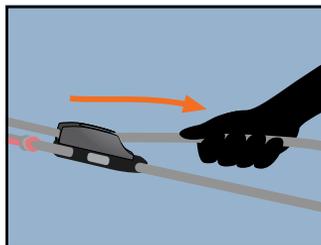
## POWER CONTROL

When the depower loop is hooked in, the bar can slide over the depower line, changing the kite's angle of attack causing the kite to produce more or less power.

The power adjuster can be used to change the overall power of the kite.

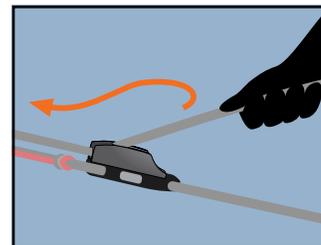
## POWER ADJUSTER

*Less power overall*



To reduce the overall power of the kite, pull in the line coming out of the cleat to the desired position.

*More power overall*

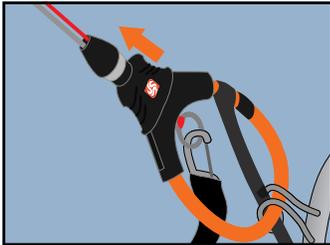


To increase the overall power of the kite, pull the line slightly towards you and move it away from the cleat. Now let the line out and let it lock back into the cleat at the desired position.

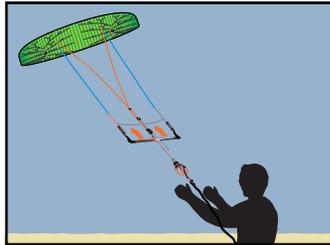
## SAFETY SYSTEM

Your depower kite is fitted with a safety system allowing you to instantly lose all power of the kite, without losing the kite itself. Always use the safety leash when kite flying to prevent the kite to fly off endangering other kite flyers or bystanders downwind.

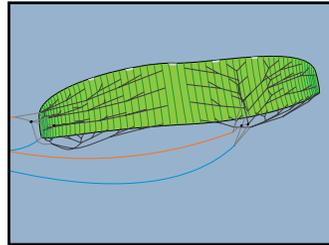
### Activating the safety system



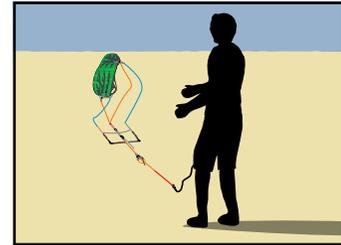
If you are flying your kite with the depower loop hooked in, unhook or activate the primary quick release.



Let go of the bar. The bar will slide towards the kite along one of the top flying lines.



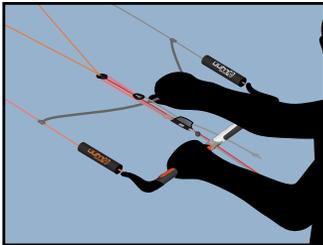
The kite will lose all its power and will slowly move towards the ground.



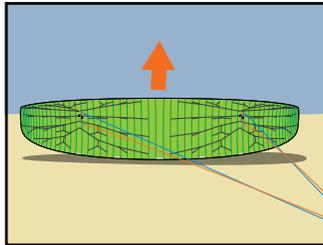
Wait till the kite has reached the ground before taking any next action.

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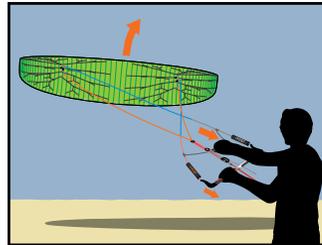
## REVERSE RELAUNCHING YOUR KITE



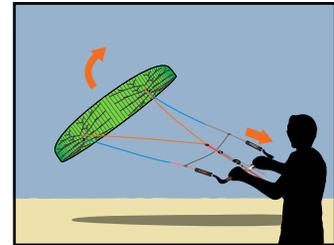
To relaunch your kite with the leading edge down, pull on the relaunch handle.



The kite will fly up backwards.

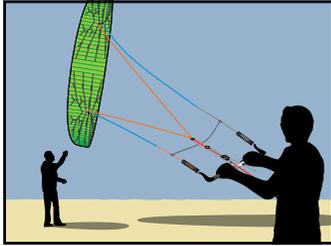


Once it is in the air, pull in one side of the bar. The kite will now turn around.

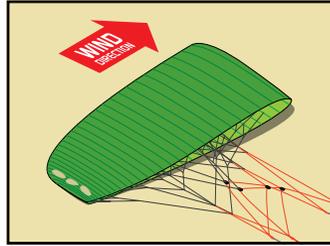


When the kite has completely turned around, let go of the relaunch handle and grab the bar. You can now continue flying your kite.

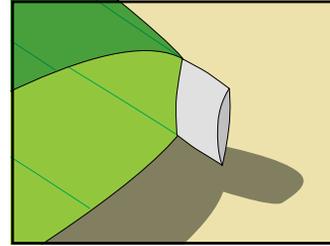
## LANDING



First check if the area is clear of people. Fly the kite to the ground at the edge of the wind window. Here a helper grabs the kite while you walk forward.

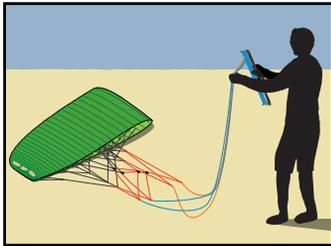


Fold the kite in two, Secure the kite with some sand or other suitable weight on both tips.

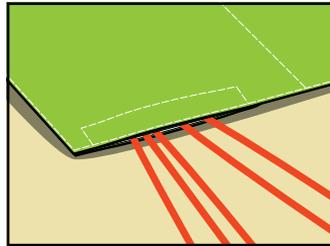


Open the Deflate valve so the air can escape from the kite.

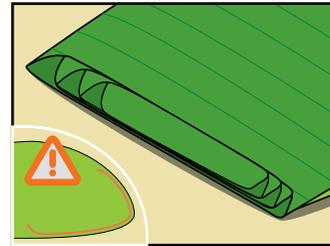
## PACKING UP



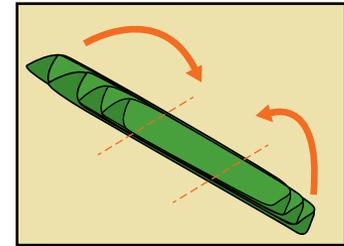
Wind the flying lines in figure-eights onto the bar. When reaching the kite, remove the flying lines from the bridle loops and use the bungee chords to secure the flying lines on the bar.



Secure the bridle in the Velcro dirt-outs in the tips.



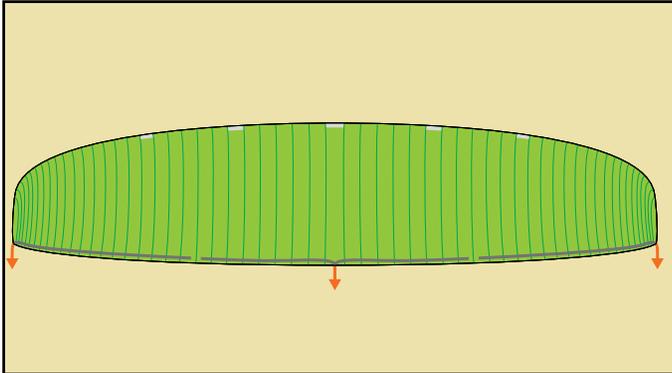
Fold the kite, starting from the tips towards the center. The best method is using the concertina folding method. Caution! The profiles feature battens on the leading edge, be careful not to damage them!



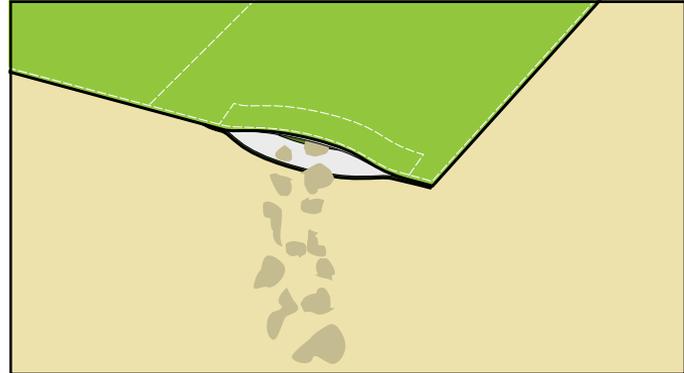
Now fold the kite and place your kite in the bag to prevent it from getting damaged.

## REMOVING SAND OR OTHER DIRT FROM YOUR KITE

If there is any sand, mud or grass in the kite, remove it to keep your kite flying properly and prevent damages.



Guide the dirt towards the deflate valve and dirt-outs via the Dirt channel along the trailing edge.



Open the Velcro dirt-out and deflate valve to allow the dirt to fall out.

When the dirt in your kite is wet, remove as much as possible; then dry your kite and repeat the action as described above.

## DEPOWER BRIDLE TUNING GUIDE

High performance racing equipment is designed to exact specifications and even the smallest deviation in measurements can make the difference between finishing first, or last. To ensure that your Peter Lynn kite delivers the performance it is designed for, it is key that you take proper care of your equipment.

There are three parts connecting your bar to the wing, and all three are highly influential on the overall performance of your kite. And all three parts should be regularly checked for wear, tear, line stretch or line shrinkage.

## FLYING LINES

Your flying lines should be equal in length and free of any knots or wear. Measure your flying lines regularly. If you have the Peter Lynn Aviator bar there are adjustment knots beneath the floaters.

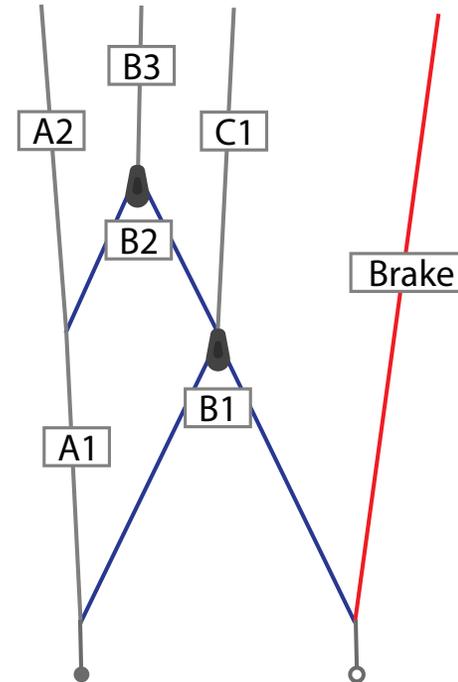
## THE SPEED SYSTEM

The speed system (diagram on the right) connects your flying lines to the bridle and allows you to change the angle of attack of the wing. This system should be free of wear and this should be checked before every launch.

## BRIDLE

Lastly, the bridle itself. This is the most critical part of the set-up and the part that is most prone to stretch beyond factory spec. Ideally you should replace your bridle every 50 to 60 hrs of flying time depending on the intensity of use.

Bridle lines which are worn or stretched beyond factory spec. (lines with a deviation of 10mm or more) should be replaced



## ADJUSTING YOUR SPEED SYSTEM

The A1 and A2 lines are most likely to stretch as these get to endure the highest stress levels, and after the A lines the B lines. The C lines stretch the least.

There are several ways to adjust the measurements of your speed system. Putting knots in stretched lines is the quickest but you can also change the way lines are connected,

## PUTTING KNOTS IN LINES

There are two knots you can use to shorten lines; the half hitch and the figure eight. The Half hitch shortens the line by 1cm and the figure eight 2cm. If your speedsystem is stretched evenly it is common practice to put a figure eight knot in the A2 and a half hitch in the B2

## CHANGING THE CONNECTION

Switching the A2 and the B2 shortens the A2 by about 5mm, Switching these is easily done by undoing the larkshead and redoing it through the opposite side.

## DOUBLE LARKSHEAD

Another way to shorten lines is to double the larkshead connection

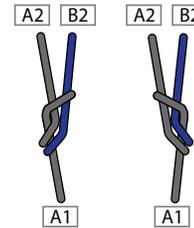
It is worth noting that any stretch in the speedsystem is quadrupled at the depower strap on your bar, IE: A1 is stretched 2cm means that you have to correct 8cm on the strap



Half hitch



Figure eight



Larkshead



Double larkshead

## CARE AND MAINTENANCE

Peter Lynn products are designed to be strong and durable. The extreme nature of the kite sport puts a high strain on the equipment involved. By taking good care of your equipment, you can minimize the wear on your equipment.

### *Kite care:*

- Inspect your equipment before launch. Check for tears, abrasions, undone stitching, and all other forms of damage.
- Regularly remove sand or other dirt from your kite, to improve flight performance and reduce wear.
- Avoid crashing the kite on its leading edge. A hard crash can damage the profiles or cells of the kite.
- Regularly check your bridles for wear and tear. Regularly check if the lines are still intact and that loops are free of wear.
- Do not rig on rough terrain. Stay far away from sharp items that could damage your kite, such as seashells, trees, washed up wood or fences.
- Secure your kite using soft items like sand or sand bags. Do not use items with sharp edges like rocks.
- Do not unnecessarily leave a kite unused for a longer period of time to prevent UV damage.
- Always make sure your kite is dry before packing and free of sand or sharp items. Let your kite dry naturally, do not use devices such as a hair dryer.
- Regularly rinse your kite after using it on the beach. If you want to clean your kite, use a soft cloth moistened with lukewarm water only. Never use chemical cleaners, they will damage the fabric.
- Never put the kite in a washing machine and never try to iron your kite.
- When storing for a long time, it is advised to leave part of the bag open, to allow fresh air to get in the bag, and any remaining traces of moisture to dry up.

### *Bar care:*

- Make sure you regularly check your bar for wear and tear. Replace parts when needed.
- Make sure your flying lines are free of knots.
- Before launching, always check that your quick release is in working order and free of sand or other debris.
- When reaching the water, before starting your kiteboarding session, splash some water on your bar to rinse off sand that has stuck to it.
- After every session, rinse your bar with tap water to remove any sand or salt from the bar.

If there are problems with your kite or your bar, please contact your Peter Lynn dealer.

## WARRANTY

Peter Lynn warrants this product, when it is purchased from an authorized Peter Lynn dealer by a retail customer, to be free of major defects in material or workmanship to the original purchaser, for a period of six (6) months from the date of purchase by the original retail customer. This warranty is subject to the following limitations:

- The warranty is solely for the benefit of the original retail purchaser and may not be assigned. For retail customer warranty claims, proof of purchase from an authorized Peter Lynn dealer is required. If the date of purchase can not be established, Peter Lynn will make a determination based on the last production year and/or the condition of the particular product claimed.
- The warranty on this product is valid only when it is solely used for designated purposes and does not apply to any product used for rental and/or teaching purposes.
- Peter Lynn will make the final warranty determination, which may require inspection and/or photos of the equipment. Photos must clearly show the defect(s). If necessary, this information must be sent to the Peter Lynn dealer where the product was originally purchased, postage prepaid. Alternatively you may contact the Peter Lynn distributor in (or nearest to) your country.
- If a product is deemed to be defective by Peter Lynn, the warranty covers the repair or replacement of the defective product only. Peter Lynn will not be responsible for any costs, losses, or damages incurred as a result of loss of use of this product. This warranty does not cover damage caused by misuse, abuse, neglect or normal wear and tear including, but not limited to, damage due to excessive sun exposure, use in combination with other than Peter Lynn control gear, damage caused by improper handling and storage, and damage caused by anything other than defects in material and workmanship.
- The warranty is voided if any unauthorized repair, change or modification has been made to any part of the equipment. The warranty for any repaired or replaced equipment takes effect from the date of the original purchase only. The original purchase receipt must accompany all warranty claims. The name of the Peter Lynn dealer and the date of purchase must be clear and legible.
- There are no warranties which extend beyond the warranty specified herein.

### *Warranty Claims*

Warranty claims must be processed through an authorized Peter Lynn dealer and be issued a return authorization prior to shipping the product concerned. For claims processing please contact the Peter Lynn dealer the product was purchased from or call - or write to - the national Peter Lynn distributor. If there is no Peter Lynn distributor in your country, please find our contact details on our website [www.peterlynn.com](http://www.peterlynn.com).

## DISCLAIMER – RELEASE OF LIABILITY

### *Peter Lynn / Vliegerop bv. - Release of Liability*

#### *Caution*

Before making any attempt to set up or use this product, you agree to have read and fully understood the entire Peter Lynn user manual; including, but not limited to, all instructions and warnings it contains. You also agree to make sure that any other user of this Peter Lynn product, prior to using it, will also read and fully understand this Peter Lynn user manual; including, but not limited to, all instructions and warnings it contains.

#### *Assumption and acceptance of risk*

Kite powered sports can be very dangerous and physically demanding. While powerkiting in its many forms is an exciting and fun sport, it can be highly dangerous for yourself and others around you, especially if the necessary safety precautions are not or only partly taken. The user of this Peter Lynn product should understand that participating in kite powered sports can result in serious personal injury – and even death – to the user as well as to third parties. Before setting up and using this Peter Lynn product you agree to assume and accept any risk of injury, whether known or unknown, to both yourself and any third parties from using this Peter Lynn product. To reduce these risks, we strongly recommend you to stick to the safety precautions listed in this Peter Lynn user manual.

#### *Disclaimer and Release of Liability*

Concerning the purchase of this Peter Lynn product by you, you hereby agree, to the greatest extent allowed by law, to waive any claims you have or may have in the future against Peter Lynn and all related entities resulting from using this Peter Lynn product and/or any of its components.

You will also release Peter Lynn and all related entities from any liability for special, indirect, incidental, consequential or exemplary damages, whether in contract, tort, negligence, strict liability or otherwise including, but not limited to, loss of property other than this Peter Lynn product, loss of use of this product, or other property or other economic losses. Peter Lynn shall not be liable for contribution or indemnification, whatever the cause.

All terms and conditions contained herein shall, in the event of your death or incapacity, apply and be binding upon your heirs, next of kin and any other representatives including, but not limited to, administrators and executors. The foregoing provisions regarding liability and warranty are exclusive and in lieu of all other liability- and warranty statements, whether written, oral or implied.





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