



**PLKB**  
**USER MANUAL**

**FOR AVIATOR CONTROL BAR**



## 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.

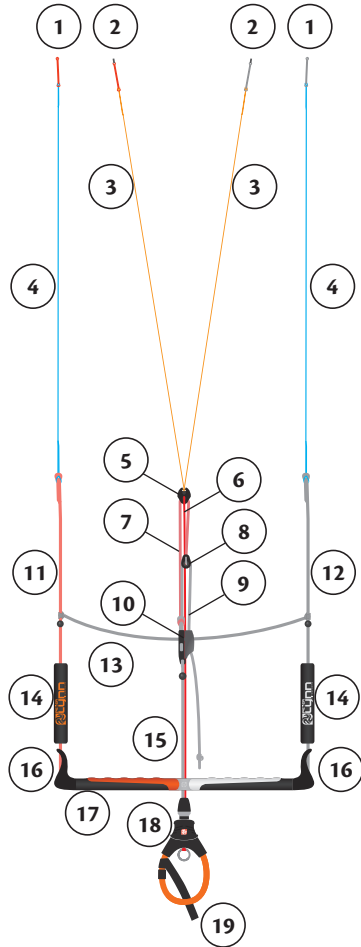
### *Safe kiteboarding:*

- 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:*

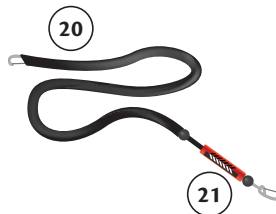
- Prior to every use of this product, fully check your equipment for any signs of wear and tear. Replace parts immediately where needed.
- Prior to every use of this product, check if your safety releases are still working properly and you are aware how to use it. In case the safety release does not 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.

## AVIATOR BAR TERMINOLOGY



### Aviator depower bar terminology

1. Rear flying line connector
2. Top flying line connector
3. Top flying line
4. Rear flying line
5. Top flying line connection piece
6. Safety line
7. Top adjuster line (red)
8. Power adjuster pulley
9. Power adjuster line (grey)
10. Power adjuster cleat
11. Left leader line
12. Right leader line
13. Relaunch handle
14. Floats with rear line adjusters
15. Depower line
16. Endcap with integrated bungee chord
17. Tapered bar with EVA foam finger grip
18. Depower loop with primary safety release
19. Depower loop lock-in pin
20. Safety leash
21. Harness attachment with secondary safety release



### Depower loop terminology

22. Safety line
23. Depower line
24. Swivel
25. Depower loop main body with Safety release cuff
26. Safety leash attachment ring
27. Depower loop tube
28. Depower loop lock-in pin



## SAFETY RELEASE

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!

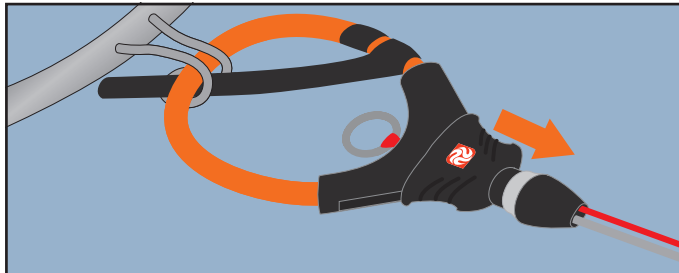
We recommend to check if your quick releases are in working order before every launch!

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.

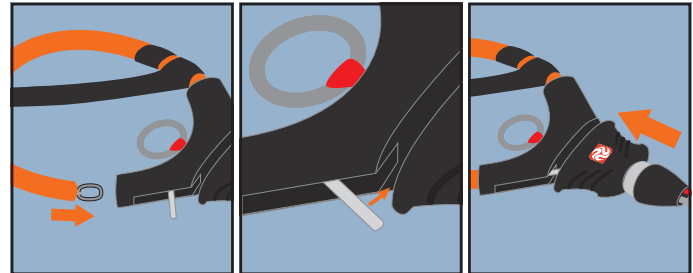
**Secondary safety release** - When the kite is still pulling after using your primary quick release, use the secondary release on the leash.

*Activating the primary quick release*



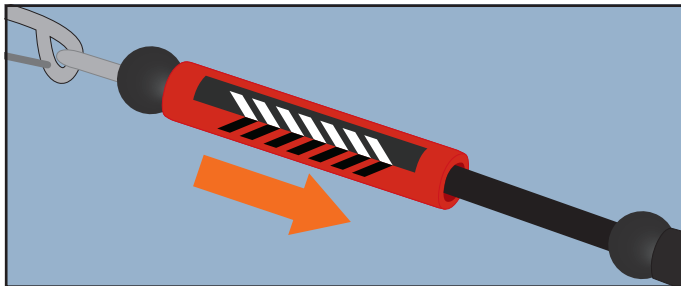
To activate your primary quick release, push the release cuff towards the kite.

*Re-connecting the primary quick release*



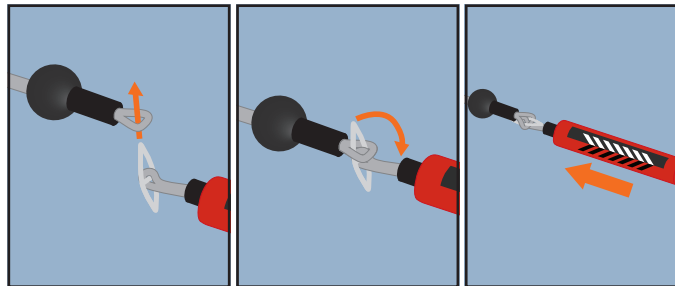
Re-connect the primary safety release by placing stainless steel ring on the end of the depower loop tube into the depower loop center piece. The pin will move to the inside of the depower loop. Slide down the release cuff to secure the pin. Always make sure all parts are free of sand and snow before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

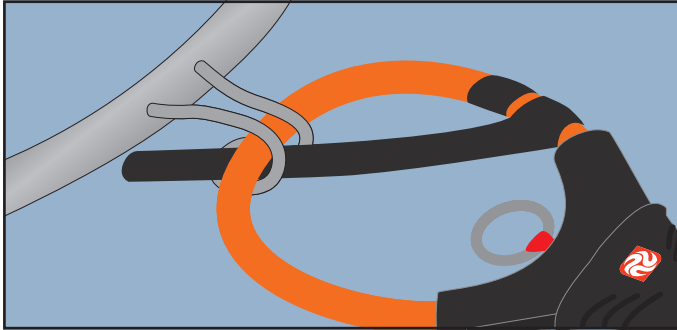
## **WARNING!**

- 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**

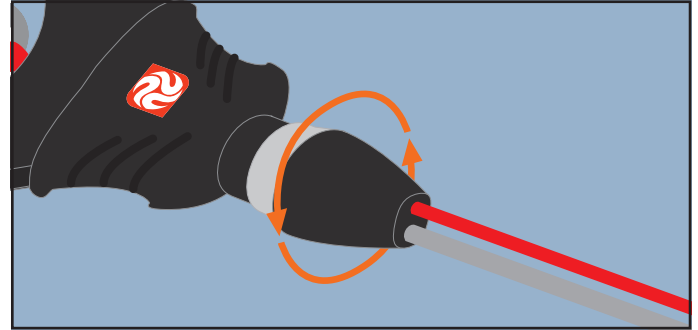
- Check if your quick releases are in working order before every launch!
- Regularly rinse your bar and safety systems with tap water.
- After using your safety system, putting tension on any of the other lines can cause your kite to take off and start to pull.

## DEPOWER LOOP LOCK-IN PIN



After hooking in your depower loop, you can use the security pin to prevent your depower loop from accidentally unhooking from your spreader bar. Place the lock-in pin through the spreader bar hook, just below the depower loop tube.

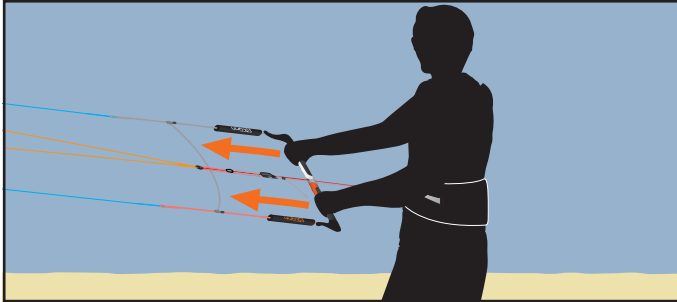
## SWIVEL



The top section of the depower loop is fitted with a swivel to unspin your top flying lines. To prevent any wear and tear, as well as any malfunctioning of the safety system, regularly unspin your top flying lines by using the swivel.

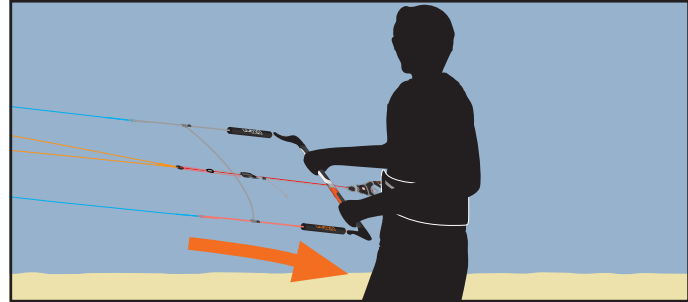
## DEPOWERING / POWERING

*Depowering your kite*



When pushing the bar away, the power of the kite will be reduced.

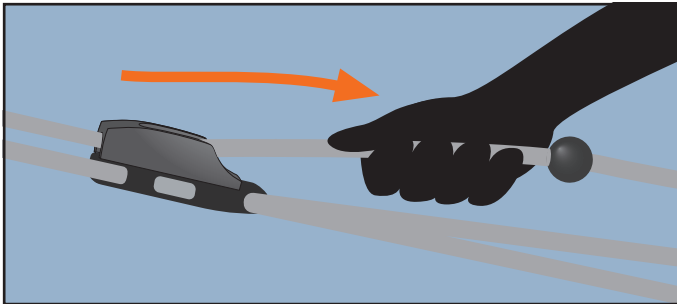
*Powering your kite*



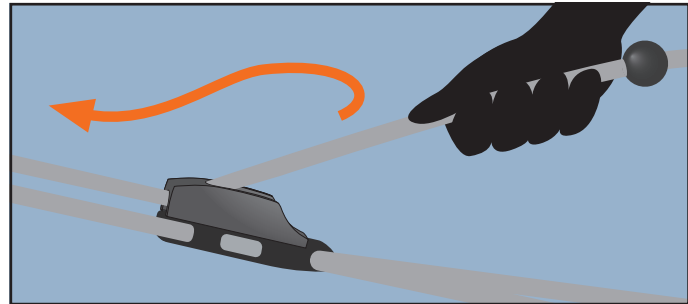
When pulling in the bar, the kite will produce more power.

## USING THE POWER ADJUSTER

To set the overall power of the kite, you can use the power adjuster.



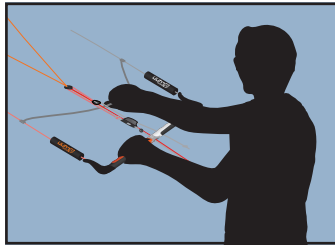
To reduce the overall power of the kite, pull in the line coming out of the adjuster cleat.



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.

## REVERSE RELAUNCH

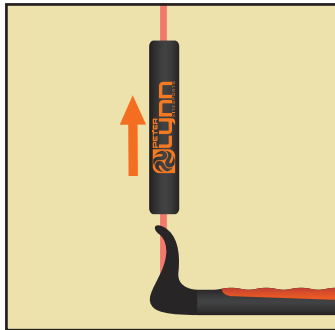
The relaunch handle can be used to reverse relaunch the kite when it is leading edge down. It may also be used to self-land your kite in light winds.



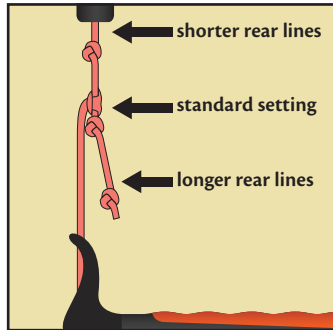
To relaunch your kite with the leading edge down, pull on the relaunch handle to make the kite fly up in reverse.

## TOP / REAR LINE ADJUSTMENTS

To get the best performance from your kite, it is important to have the difference between the top and rear lines set correctly.



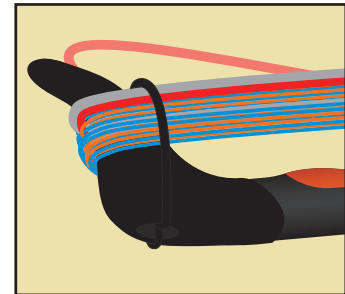
Slide up the floats on the rear leader lines to access the top/rear line adjustment knots.



Use the upper knot for shorter rear lines, use the lower knot for longer rear lines.

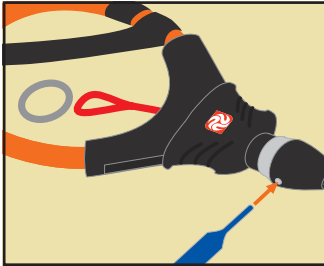
## PACKING UP

After finishing your kiting session, you can wind the lines onto the bar ends, using figure of eights. Secure the lines by using the bungee chords.

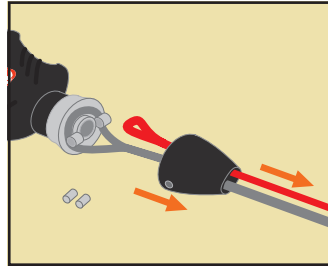


## REMOVING DEPOWER LINE

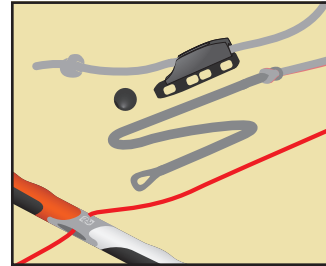
If your depower/adjuster line is worn it is recommended to replace it. This will ensure maximum safety and rider comfort.



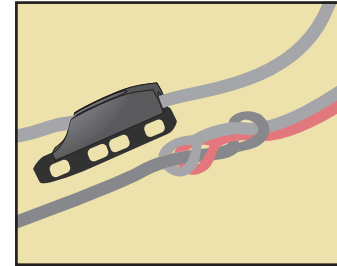
Using a metal spike push the small metal pins towards the inside of the swivel. Undo the leash attachment ring on the end of the safety line.



Slide top section of the swivel away from the depower loop. Make sure not to lose the metal pins! Slide the safety line out of the depower loop.

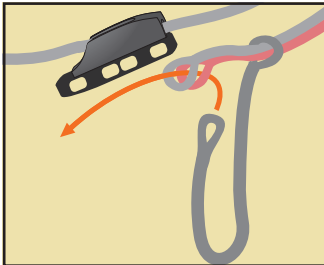


Remove the depower line from the bar, large ring with Velcro (Magnet bar only), the ball and clamcleat.

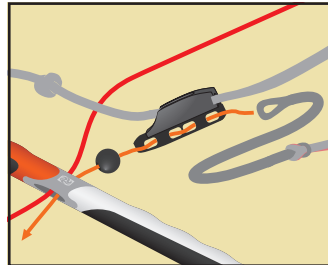


Undo the knot connecting the depower line with the adjuster line(s).

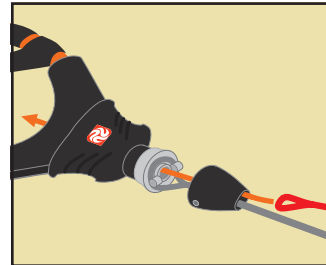
## PLACING DEPOWER LINE



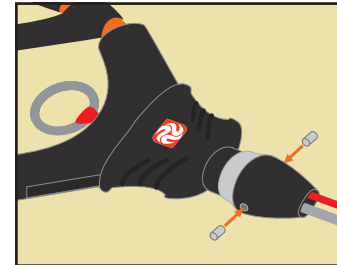
Attach the depower line to the adjuster line(s).



Slide the depower line through the clamcleat, ball, large ring with Velcro (Magnet bar only) and bar. Secure the ball with the screw.

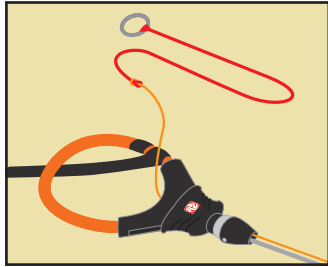


Slide the depower line through the top section of the swivel, and hook the loop around the studs in the lower section of the swivel. Slide the safety line through the swivel and the depower loop main body.

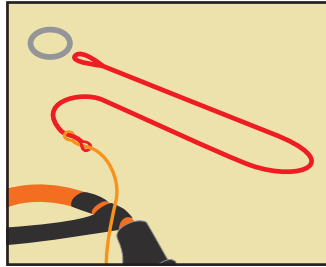


Slide the top section of the swivel back in place and secure it by pushing the two pins into the swivel.

## REMOVING SAFETY LINE

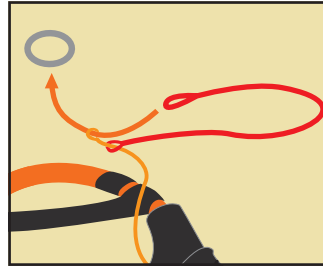


Pull the complete safety line through the depower loop.

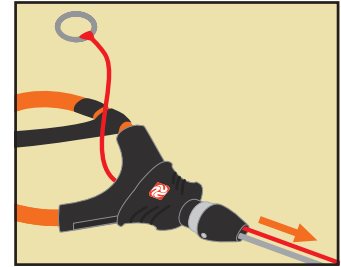


Remove the leash attachment ring and undo the knot connecting the safety line to the flying line.

## PLACING SAFETY LINE



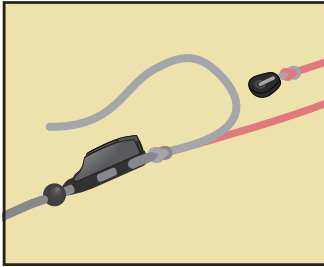
Re-attach the safety line to the flying line. Attach the leash attachment ring to the safety line.



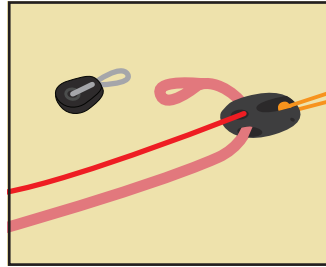
Pull the complete safety line back through the depower loop, bar itself and other parts of the bar setup.

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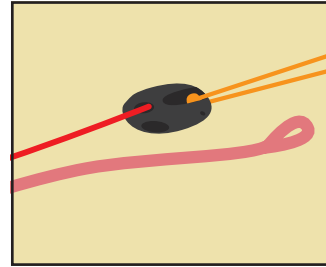
## REMOVING ADJUSTER LINE



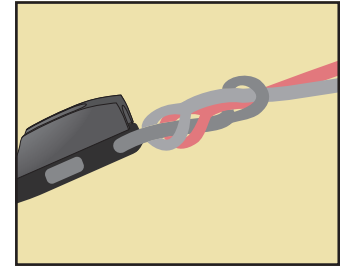
Undo the knot on the end of the adjuster line.  
Remove the adjuster line from the clamcleat and pulley.



Remove the pulley from the top adjuster line.

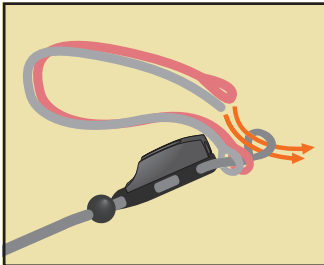


Slide the top adjuster line out of the center line connection piece.

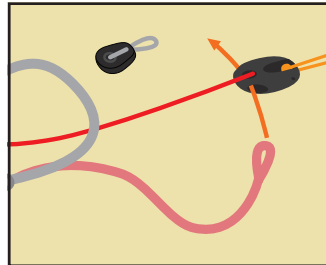


Undo the knot connecting the adjuster lines with the depower line.

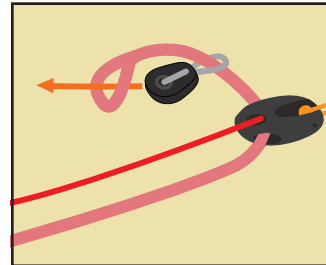
## PLACING ADJUSTER LINE



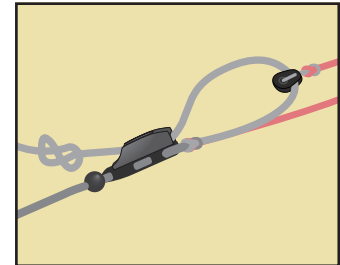
Attach both adjuster lines to the depower line.



Slide the top adjuster line (red) through the top line connection piece.



Attach the pulley to the end of the top adjuster line.

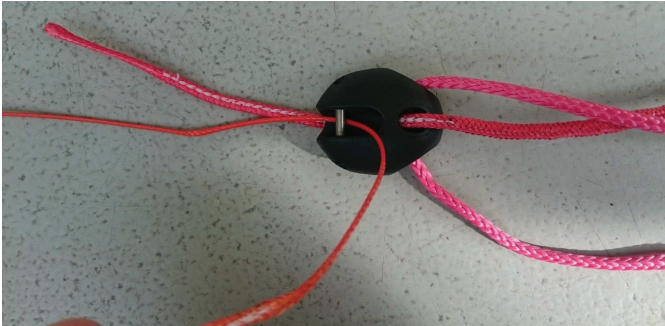


Slide the power adjuster line (grey) through the pulley and the clamcleat.  
Place a figure-of-eight knot in the end of the line.

# AVIOTOR LINE ATTACHMENT INSTRUCTIONS

## Step 1

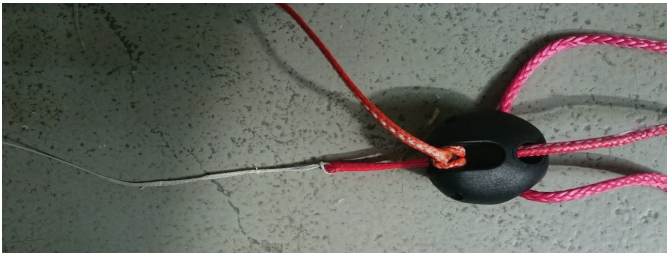
Attach one of the powerlines on the metal part of the bit



Use another small line that you can easily pull through the narrow space near the metal part

## Step 2

Attach a small line onto the safety line (the one with the bungee) and pull the safety line out of the bit



Small (white) line is attached to the safety line

## Step 3

Keep the small white line in the bit and attach the other powerline (orange) to this white line.

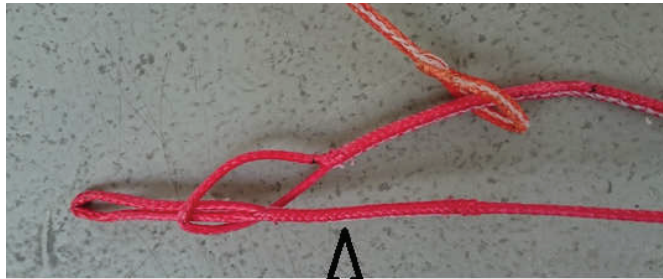
this way you can pull the powerline through the small hole of the bit



The powerline comes out of the other side of the bit.

#### Step 4

Easiest way to attach the safety line and the powerline to each other is by detaching the safety line from the other side (see photo Step 5) get it out of the chickenloop and when it's just the line, use a larks head.



this is the other side from the safety line



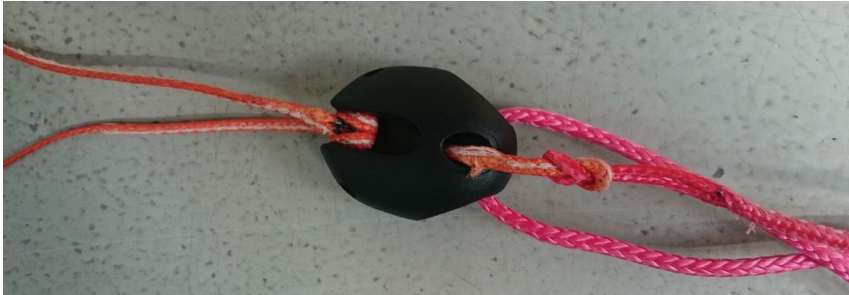
#### Step 5

Put the safety line back through the chicken loop and attach the small stopper and metal ring on the end again



Step 6

You can now pull the powerline back and slide the attachment point of the powerline and safety line inside the bit



*With having this attached as shown in the photo above and the steering lines attached as well you should be ready to go.*



## CARE AND MAINTENANCE

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

- Make sure you regularly check your bar for wear and tear. Make sure to check your depower loop, depower loop tube, depower/adjuster line, adjuster, safety line, endcaps, flying lines and sleeves on the flying lines. Replace parts when needed. There should be a large amount of replacement parts available at your local dealer.
- Before launching, always check that your quick release is in working order and free of sand or other debris.
- Make sure your flying lines are free of knots.
- After launching, wipe as much sand or snow off your bar as possible. Especially remove sand or snow from the depower loop, depower/adjuster line, center hole in your bar, stopper and adjuster. Also get rid of any sand or snow on the safety line on the section next to the depower line.
- When going kiteboarding, splash some water on your bar to rinse off sand that has stuck to it when reaching the water.
- After every session, rinse your bar with tap water to remove the salt from the bar. Make sure your depower loop, depower/adjuster line, stopper and adjuster are free of sand.

If there are problems with 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.

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