

**OZONE<sup>®</sup>**

INSPIRED BY NATURE // DRIVEN BY THE ELEMENTS // FLYOZONE.COM



OZONEKITES



R1 V2 MANUAL

# THANKS

Thank you for purchasing this Ozone kite. Our mission is to build kites with cutting edge performance, that are easy, fun and safe to use, no matter what your level.

At Ozone we are passionate about kiting, and it is this passion that drives our design team to perfect and develop new kites that we love to ride with.

We are proud of the quality of our products, and constantly searching for the best components and materials to use in our designs. All of our kites and accessories are manufactured in our own high-quality production facility in Vietnam, which guarantees a build quality that we are proud to put the Ozone name on. A close look at one of our kites reveals that same superior quality and construction that ensures that every Ozone kite will enjoy a long life, with consistent handling, performance and aesthetics.



# WARRANTY

**Ozone warrants this product to be free from major defects in material or workmanship to the original purchaser, for a period of six months from the date of purchase. This warranty is subject to the following limitations;**

- The warranty is valid only when the product is used for its intended use, and does not cover products used in rental or teaching operations.
- Ozone will make the final warranty determination, which may require inspection and/or photos of the equipment, which clearly show the defect(s). If necessary, this information must be sent to the Ozone dealer, postage prepaid.
- If a product is deemed to be defective by Ozone, the warranty covers the repair or replacement of the defective product only.
- Ozone will not be responsible for any costs, losses, or damages incurred as a result of loss of use of this product. The warranty does not cover damage caused by misuse, abuse, neglect or normal wear and tear including but not limited to; rigging with other than Ozone components, damage due to excessive sun exposure, damage caused by improper handling or storage, damage caused by use in waves or shore break and damage caused by anything other than defects in material and workmanship.
- This 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 is good from the date of the original purchase only. The original purchase receipt must accompany all warranty claims.
- The name of the retailer and date of purchase must be clear and legible.
- There are no warranties that extend beyond the warranty specified herein.

## WARRANTY CLAIMS

- Warranty claims can only be handled once the product has been activated through our website. (go to [www.flyozone.com](http://www.flyozone.com) to register your kite)
- Warranty claims must be processed and be issued a return authorization prior to shipping to the Ozone dealer the product was purchased from.

# RELEASE OF LIABILITY

## OZONE KITES LTD RELEASE OF LIABILITY, CLAIM WAIVER, ASSUMPTION OF RISK

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

## ASSUMPTION OF RISK

Use of the Ozone product and any of its components involve certain risks, dangers, and hazards which can result in serious personal injury and death to both the user and to non-user third parties. In using this Ozone product, you freely agree to assume and accept any and all known and unknown risks of injury to 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 owner manual and by using common sense.

## RELEASE AND WAIVER OF CLAIMS

In consideration of the sale of the Ozone 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 Ozone Kites LTD and all related parties resulting from use of the Ozone product and any of its components.

TO RELEASE Ozone Kites LTD and all related parties from any and all liability for any loss, damage, injury or expense that you or any users of your Ozone product may suffer, or that your next of kin may suffer, as a result of the use of the Ozone product, due to any cause whatsoever, including negligence or breach of contract on the part of Ozone Kites LTD and all related parties in the design or manufacture of the Ozone 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. Ozone Kites LTD related parties have not made and expressly deny any oral or written representations other than what is set forth herein the Ozone Product Users Manual.

# WARNINGS

## READ THE FOLLOWING POINTS BEFORE ASSEMBLING YOUR KITE:

### WARNING:

- Kite flying can be dangerous.
- Always use extreme caution when using this product.
- Misuse of this product can cause serious injury or death.
- Only use this product if you are in good physical health.
- Never act in a careless manner when using this product (such as jumping in the air, or tying yourself down).
- You are responsible for your own safety, and the safety of others around you when using this product.
- If you are under 18 you should have your parents or legal guardian read these warnings and instructions. You should not use this product unless you are under proper guidance and supervision.
- The use of this product exposes the user to many unavoidable and unexpected risks, dangers and hazards.
- Do not use this product if you are under the influence of alcohol, drugs or medications.
- This manual refers to the current product it comes with. No information contained herein applies to previous and/or other products. Always read and understand all warnings and instructions for any other product being used. To view previous product manuals go to [www.flyozone.com](http://www.flyozone.com)

### IMPORTANT SAFETY RULES:

- Before using this product you must take lessons from a certified instructor/school. Do not attempt to fly a kite without being taught by a certified kite instructor.
- This product is not a personal flotation device. Always wear a Coast Guard approved personal flotation device when using this product near the water.
- Always carefully inspect all of your equipment before using it.
- Always have a partner when launching and landing your kite.
- Always learn using a small two line trainer kite before using a larger more complicated kite.
- Never allow anyone who is not familiar with traction kiting to use this product without experienced assistance.
- Never use this product without a safety leash system. A loose kite is extremely dangerous to everyone downwind.
- The kite/control system is equipped with passive safety systems, which need to be activated by the user for them to work.

- The leash system is not a permanent attachment to this product. Never permanently attach yourself to the kite or any of its components.
- Never use this the kite with another control system or safety leash. Only use the handles or bar that is supplied with this kite as other brands bars are not compatible with this design, therefore the safety system will NOT work.
- Always wear a helmet, knee/elbow pads, gloves, shoes and protective eyewear when using this product.
- Always use a high quality and well maintained kite specific harness.
- Get yourself used to the way your quick release devices work by testing them often in a non emergency situation.
- Rinse your quick release device in fresh water after every session. Quick release devices have a limited lifetime and must be checked and replaced often.
- Always release and re-load all the safety systems to familiarize yourself with how they work. This is the only way to be sure that you know how to use them in all situations, and that they are correctly loaded and safe for use.
- If you have a bar with a mechanical quick release trim loop it must be changed after 250hours of kiting. Change any quick release or safety leash before if you see any sign of wear. The wearing of your quick release devices is not considered a warranty issue.
- Never act in a careless manner when using this product (such as jumping in the air, using this kite to fly or tying yourself down to a fixed object whilst attached to the kite).

### CHOOSE SAFE WEATHER CONDITIONS:

- Never learn to use this product in more than 10 knots of wind.
- We highly recommend you purchase a wind speed indicator to be able to measure wind speeds. Study the wind guide to understand wind speeds.
- Never use this product in high winds.
- Never use this product in thunderstorm and lightning conditions.
- Only use this product when you can remain in a standing position.
- Never use this product in wind conditions that are above your ability level.
- Never use this product near or on the water in offshore wind conditions.



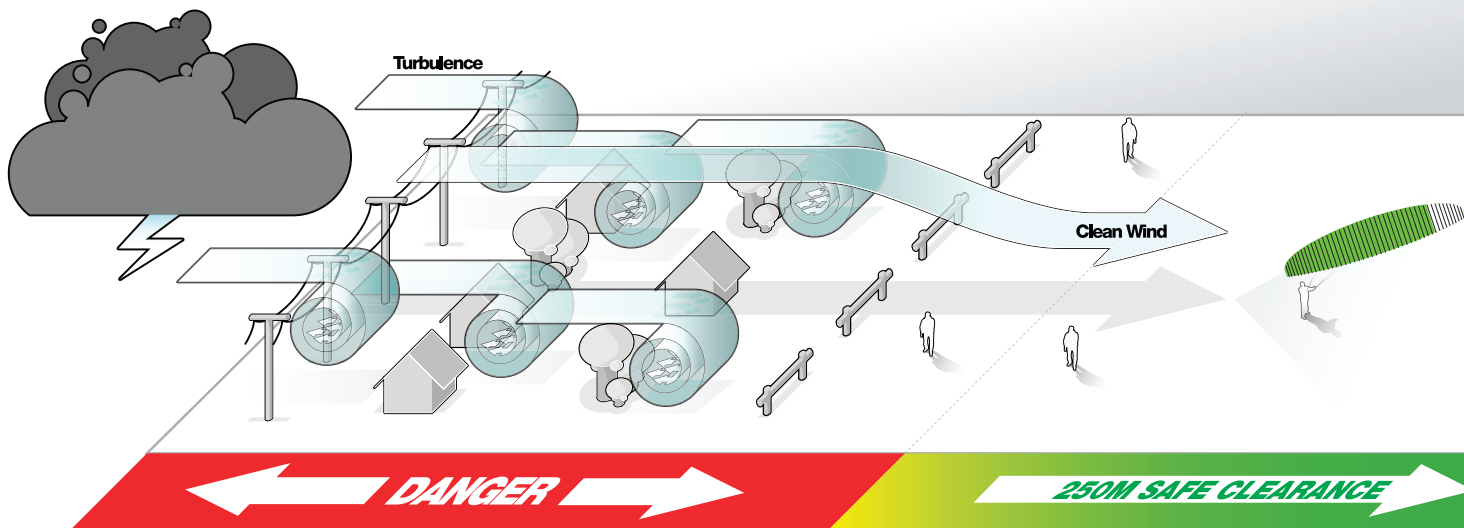


#### CHOOSE A SAFE LOCATION:

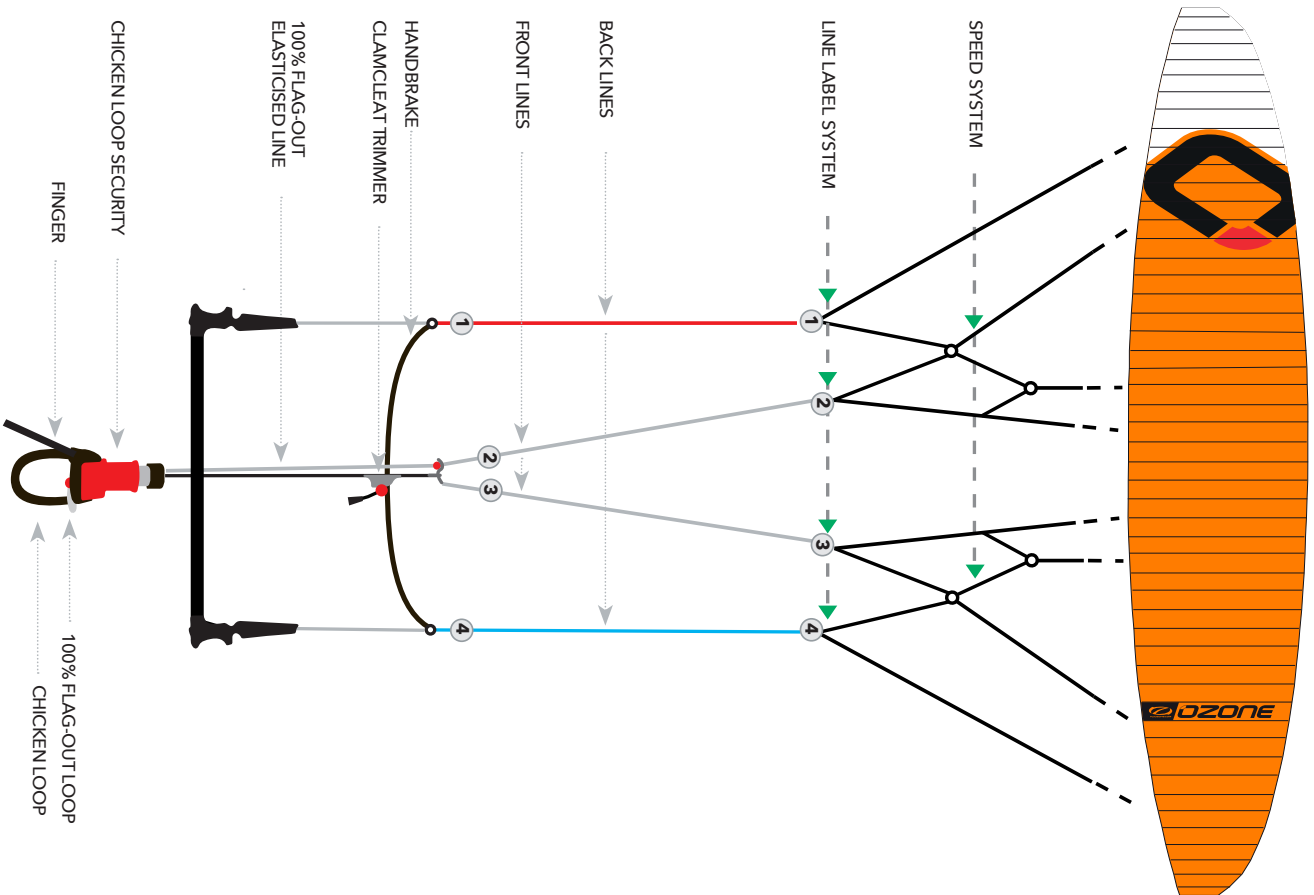
- Always observe local rules and regulations when using this product.
- Never use this product near power lines, telephone poles, trees, bushes, roads, automobiles or airports.
- Only use this product when you have at least 100m of clear space downwind, and on both sides of your launching position. The power of the kite can pull you downwind unexpectedly with great force.
- Do not fly your kite over other people or pets. Spectators should remain upwind of you when using this product.
- Never use this product on crowded beaches or fields.
- Never use this product near the water unless you know how to swim and are in good physical health.
- Practice launching and landing procedures, and self rescue techniques before using this product near the water.

#### USE CAUTION WITH FLYING LINES:

- Never touch the flying lines when the kite is in use. Flying lines are extremely dangerous while under tension and can cause serious injury or death.
- Never use this product with worn lines. A line that breaks while under tension can cause serious injury or death.
- Always check your flying lines for knots before each use. Knots greatly reduce the strength of the lines.
- Stay away from tangled flying lines unless the kite is secured to the ground. An unsecured kite can self launch unexpectedly, and can cause serious injury or death.
- Never allow yourself, or anyone else, to get between the handles/control bar and the kite when using this product.



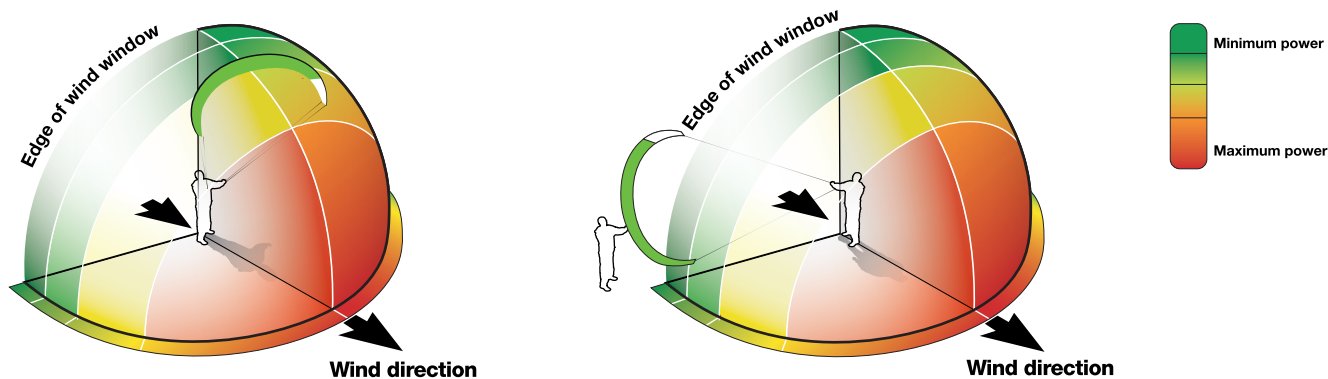
# SET-UP



# WIND

FORCE	KNOTS	MPH	METRES/SEC	KPH	DESCRIPTION	SKILL LEVEL	ON LAND
0	<1	<1	<0.02	<1	Calm	N/A	Calm, smoke rises vertically. Go paragliding/base jumping/hang-gliding
1	1-3	1-3	0.3-1.5	1-5	Light Air	N/A	Smoke drift shows wind direction. Its coming-get large size kites ready!
2	4-6	4-7	1.6-3.3	1-5	Light Breeze	Beginner	Wind felt on face, leaves rustle. Cruising on Mt board/buggy/snowkite
3	7-10	8-12	3.4-5.4	12-19	Gentle Wind	Beginner	Leaves in motion, light flags extended. Ripping on Mt board/buggy/snow
4	11-16	13-18	5.5-7.9	20-29	Moderate Wind	Intermediate	Flags flap, small branches move. Now we're talking>>jumping begins
5	17-21	19-24	8.0-10.7	30-38	Fresh Wind	Advanced	Small trees begin to sway. Loving life, fully powered, smiling
6	22-27	25-31	10.8-13.8	39-50	Strong Wind	Advanced	Large branches in motion. Experts only with huge grins
7	28-33	32-38	13.9-17.1	51-61	Near Gale	Advanced	Whole trees in motion . Hard core riders flying!
8	34-40	39-46	17.2-20.7	62-74	Gale	N/A	Trouble walking! Carriage for riders, better to chill out in comfort watching Ozone DVD

**ALWAYS LAUNCH YOUR KITE AT THE EDGE OF THE WIND WINDOW**



# SET-UP

**IMPORTANT:** Set up your kite for the first time in wind less than 12kph to ensure your safety and the safety of others.

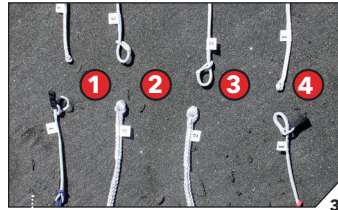
- Unfold the kite on the ground, in the direction of the wind.
- Fold over the upwind wing tip and use the sandbag provided or put some snow, sand, or your board on the tip to secure the kite.
- Take the speed system from the Velcro retainer and lay out on the ground. Untangle if necessary.
- Take the bar and unwind the lines at 90 degrees to the kite. (Bars are delivered with the flying lines already connected.)
- Connect the lines to the kite following the numbered label system ensuring all lines are free from each other.

Now you're ready to fly!

## KITE SET-UP

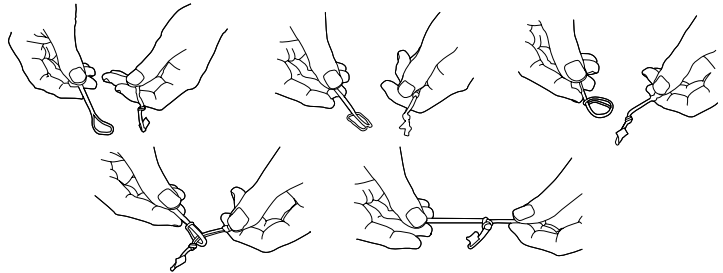


## BAR SET-UP



## LARKS HEAD KNOT

All line attachments are done using the Larks Head Knot.





**WARNING:** Always double check your lines before launching. Wrongly attached lines will stop the kite flying correctly and could therefore mean you have no control of the kite putting yourself in a dangerous situation.

# SECURITY



**IMPORTANT:** All Ozone safety systems require the user to operate them manually in the case of an emergency. It is imperative the kite is set-up as shown in the manual, incorrect setup will compromise the operation of the safety system. All lines and de-power systems must be tangle free and the safety leash connected in the right way, see pictures.

## BELOW THE BAR SAFETY (RECOMMENDED SAFETY OPTION)

### OZONE CLOSED CELL FOIL SAFETY SYSTEM

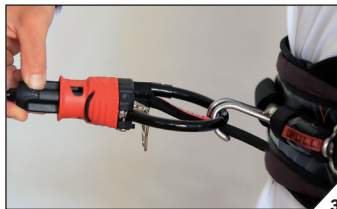
The chicken loop is the primary connection to the kite. Make sure you connect to the chickenloop using the finger as shown in the pictures.



1



2



3

## BELOW THE BAR SAFETY (RECOMMENDED SAFETY OPTION)

Attach the safety leash to the total flag out system. This is the small eyelet on the steel ring at the bottom of the Megatron, see pictures. In an emergency situation, when the chicken loop is released, the kite will flag out completely with no power.



### ADVANCED RIDERS (use at your own risk, not recommended)

Riders doing unhooked tricks or who are more confident and have spent many hours on the water can attach to the ring using the suicide system, where the chicken loop runs through the large eye of the steel ring, see pictures.

NOTE: If you let go of the bar (without releasing the Megatron, e.g. missed handle pass) the kite will de-power but WILL NOT flag out. Also be aware that in this situation, the Megatron will be out of reach and can therefore not be released. If you are hooked in and release the Megatron the steel ring automatically comes off the chicken loop and the kite will flag out.





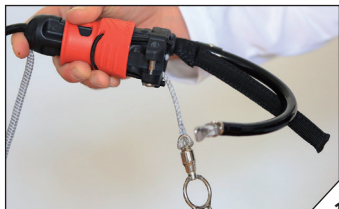
# SECURITY

## 1st STAGE OF SAFETY

Release the chickenloop as shown in the pictures. Providing your leash is attached to the flag out system the kite will 100% depower.



## RELOADING THE MEGATRON CHICKENLOOP



## FINAL STAGE OF SAFETY (in an extreme emergency)

In the case of an extreme emergency where you need to completely release from the kite, use the quick release on the safety leash. This will completely detach the kite and control system from the user, and could therefore hit anything or anyone downwind causing damage, serious injury or death. RIDE RESPONSIBLY.



## RELOADING THE LONG LEASH



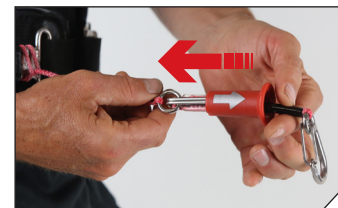
### ATTACHING THE SHORT LEASH



### RELEASING THE SHORT LEASH



### RELOADING THE SHORT LEASH



# 1st FLY

**WARNING:** Never fly your kite in strong wind for the 1st time. Do not attempt to fly a kite without being taught by a certified kite instructor.

## LIGHT WINDS

If the wind is light (less than 8 kph) lay trailing edge directly into the wind with sand/snow to secure the kite. Place yourself directly in front of the kite. Hook into the chicken loop. Step backwards while pushing the bar forward. The kite will slowly inflate and take off. Keep some tension on the back lines until the kite is fully inflated.

In very light winds, to assist launching, gently grab and pull on the front lines until the kite takes off from ground.



## STRONG WINDS

If the wind is strong (more than 8 kph), lay kite directly downwind with sand/snow or board securing the upwind tip. Place yourself at 45 deg to the kite upwind. Hook into the chickenloop. Step backwards while pulling the down wind side of the bar to ease kite into the air. The kite will slowly inflate and take off on the side of the wind window. Keep some tension on the back lines until the kite is fully inflated.



## LANDING

### OPTION 1:

Only recommended when you don't have an assistant.

#### Release the Primary Security.

Ensure the safety leash is connected to the flag out line (see pictures, this is the recommended safety option). Release the Megatron chicken loop, and the kite will flag out on one front line and fall to the ground. (See SECURITY)

### OPTION 2:

Only recommended in light winds.

Grab the Hand Brake with one hand then pull it behind your back and HOLD. The kite will stall evenly and reverse to the ground.

Take care not to release the Hand Brake until the kite has been secured with sand or snow.





# 1st FLY

## LANDING

### OPTION 3:

Recommended option.

Fly the kite to the edge of the window and lower it gently and

- Have a friend catch and take control of the kite.
- Run towards the kite to take all tension from the lines.



## REVERSE RELAUNCH

When the kite is landed face down, take the handbrake firmly, pull and hold. The kite will reverse from the ground, turn over, and land leading edge up. The kite is now ready to launch normally.

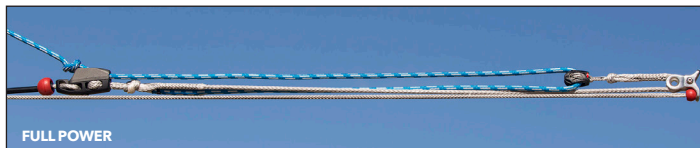
See "LAUNCHING":



## CLAMCLEAT TRIMMER

Pull the trimmer line down to depower the kite. This is needed if you are overpowered, for unhooked riding, or if you are walking back up the beach.

Release the trimmer line away from you to increase kite power. To release the line from the teeth make sure you first pull down which unlocks the line from the teeth, then out to release the line the desired amount.



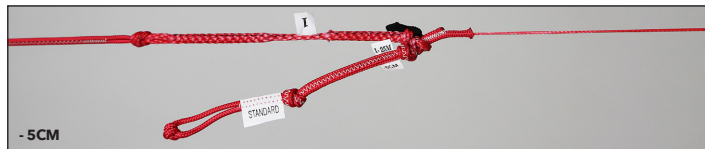
# 1st FLY

## TRIMMING FOR LINE STRETCH

The correct factory setting of lines 1 and 4 are labelled standard (middle knot). All lines should be equal at this point, however kite lines do stretch with the power lines taking the full load. Unwind the lines from the bar and have a partner hold the bar. Taking hold of the opposite ends, check the lines 2 and 3 are of equal length to the standard knot on lines 1 and 4.

If the lines are not even you may either...

- 1) Stretch out the shorter lines. Attach the shorter lines to a car hitch or something very solid. Then take hold of the bar and pull with enough force to stretch the line. Do this to any lines that are shorter and re-check that all 4 lines are equal length.
- 2) Use line 1 and 4 knot options (-/+ 5cm).



## RACE LINES

STANDARD

+ 5CM

- 5CM

# MAINTENANCE

This is a high-end performance product. When often used highly powered up or with race and hydrofoil boards you are using the kite at it's top end and it will wear quicker.

## PRE AND POST USE CHECK LIST.

You must inspect all your equipment before and after every use. Check the entire kite including upper and lower surfaces, line attachment points, speed system and bridles. Immediately replace any worn or damaged parts with original parts only.

- **CONTROL SYSTEM AND CHICKEN LOOP LINE:** Check for abrasion, if any part is damaged change it immediately
- **LINES:** Check them every time you wind and unwind the lines. If one of them is damaged, change the corresponding pair.
- **SPEED SYSTEM:** Check the pulleys and lines for abrasion, if any are damaged change them immediately.
- **BRIDLE LINES:** Check the bridle lines for abrasion, if any are damaged change them immediately.
- **SAIL:** Check there are no holes or tears in the sail. If your sail is torn, you can repair it with the sticky cloth, provided in repair kit. To repair the sail, make sure it is clean and dry. Prepare two pieces of sticky cloth, one for each side of the damaged area. The patch should cover the hole by at least 2cm all round. Lay flat and stick on both sides.
- **PACKING:** Dry your kite after use away from the sun and direct heat. Never leave a wet kite in its bag. Store your kite in a dry place out of the sun. Never wash or clean it with detergent.

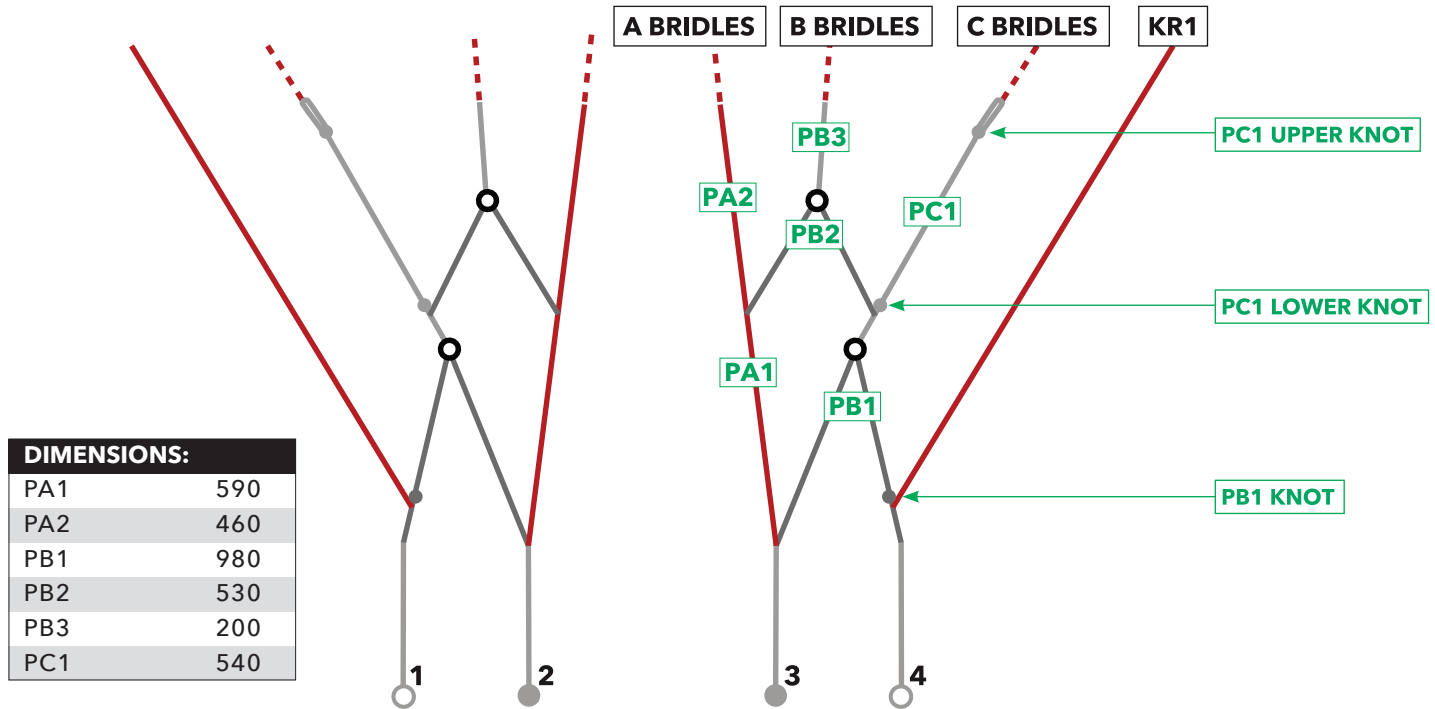


# PRO-TUNE SPEED SYSTEM

## IMPORTANT NOTES AND ADJUSTMENT INSTRUCTIONS

The Speed System and Bridle lines will require maintenance just like any high performance equipment in racing sports - they must be checked after every 60 hours flying time, and maintained in the correct trim or the kite will not perform as designed. Bridle Lines that are worn or not to factory specification (+ or - 15mm) must be replaced. Speed System lines that are worn must be replaced. If the Speed System lines are not worn, but are not to factory specifications (+ or - 15mm) you must adjust back to factory spec.

The sheathed pulley lines (PB1 & PB2) will wear over time and will need to be replaced. Make sure you check them before every session. You'll find spare pulley lines in the supplied repair kit. If the Speed System lines have shrunk or stretched drastically they might be damaged. Make sure you check every single Speed System line to their specs and if necessary replace them.



DIMENSIONS:	
PA1	590
PA2	460
PB1	980
PB2	530
PB3	200
PC1	540

# PRO-TUNE SPEED SYSTEM

## ADJUSTING THE PRO-TUNE SPEED SYSTEM

Through heavy loads, general wear and tear on lines combined with water, salt, sand and sun your Speed System lines may stretch or shrink. To keep your Speed System at the factory trim setting use the simple adjustment system.

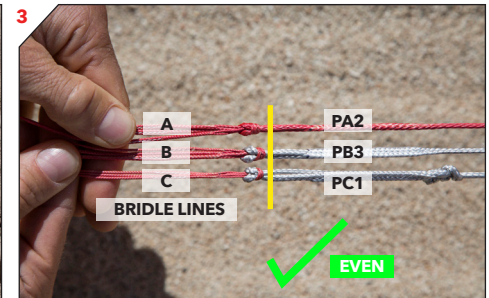
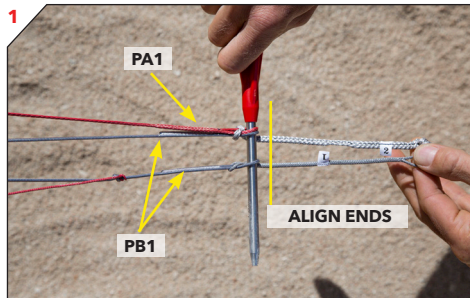
WATCH THE VIDEO AT [WWW.OZONEKITES.COM](http://WWW.OZONEKITES.COM)

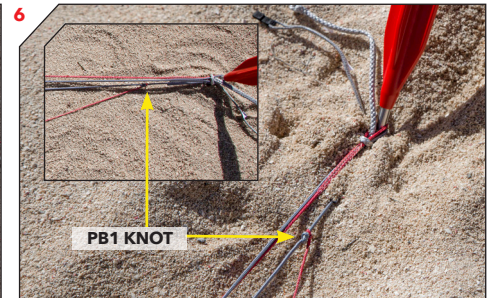
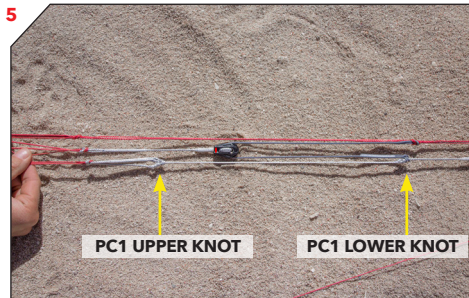
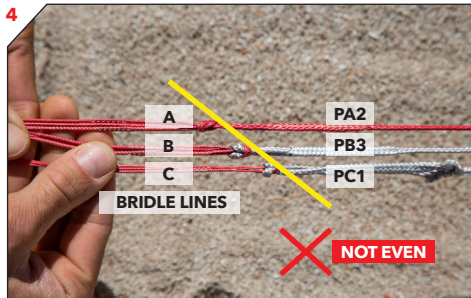
**STEP-BY-STEP INSTRUCTIONS. REFER TO THE PRO-TUNE SPEED SYSTEM DIAGRAM AND PHOTOS (1-6)**

- 1: Align the Speed System lower ends - these are lines PA1 (connected to pigtails 2 or 3) and PB1 (running through the lower pulley connecting to pigtails 1/2 or 3/4).
- 2: Ask a friend to hold the line attachment pigtails keeping the Speed System lower ends even, or use the Ground Stake (or a screw driver) through the lower ends as shown.

- 3: Secure the Speed System ends, double check they are even.
- 4: Apply even tension to the upper ends: PA2, PB3, PC1 (where the bridle lines attach to the Speed System).
- 5: Use A as the base measurement. Measure the position of B and C relative to A.
- 6: If A/B/C are even there is no adjustment required. Measurement differences around 10mm we highly recommend adjusting the Speed System back to even trim.
- 7: Measurement differences of 15mm or more you must adjust the Speed System back to even trim or the kite will not perform as designed.
- 8: Adjusting B: Move the PC1 LOWER KNOT (figure-of-eight knot, where the PB2 line is larks headed below) UP or DOWN. This will move the PB2 line connection point. B will get LONGER or SHORTER by half of the length you move the knot - for example if B is 10mm shorter than A, move the PB2 knot up 20mm.

- 9: Adjusting C: Move the PC1 UPPER KNOT, UP or DOWN. This will make the loop that the C bridles are looped into BIGGER or SMALLER. C will move half the distance of what you move the knot - for example if C is 10mm shorter than A, move the PC1 knot up 20mm. Make sure to loosen and re-set the C bridle lines in the end loop after moving the knot.
- 10: If you adjust the C, you must also adjust the PB1 knot (where the KR1 line is larks headed below) by the same amount C has moved. For example if C is 10mm shorter than A, first move PC1 knot up 20mm, and then move KR1 knot up 10mm.
- 11: If the difference between A to B and/or A to C is more than 40mm, your Speed System lines have shrunk or stretched drastically and/or might be damaged. Make sure you check every single Speed System line to their specs and if necessary replace them.



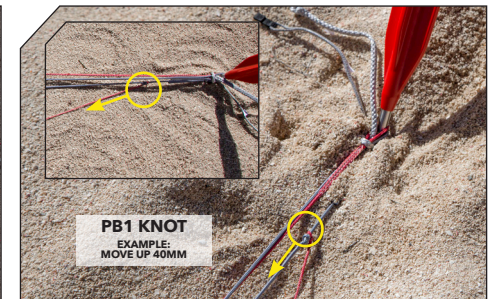
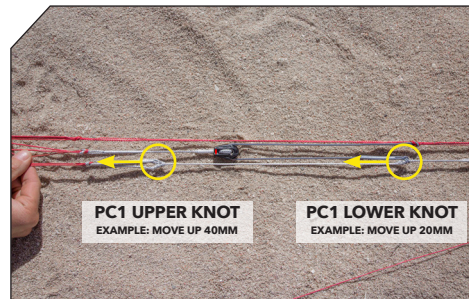
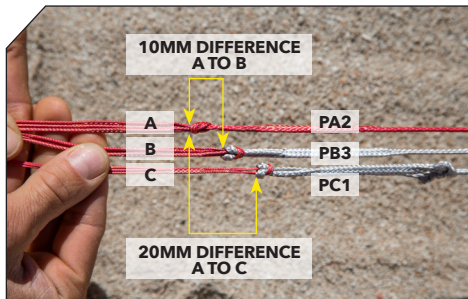


FOR EXAMPLE: B IS 10MM SHORTER THAN A, AND C IS 20MM SHORTER THAN A.

1: Move the PC1 LOWER KNOT up by 20mm.  
This will extend the B by 10mm, back to even trim.

2: Move the PC1 UPPER KNOT up by 40mm.  
This will extend the C by 20mm, back to even trim.

3: Move the PB1 KNOT up by 20mm.  
This is matching the difference changed to C for the KR1 line.



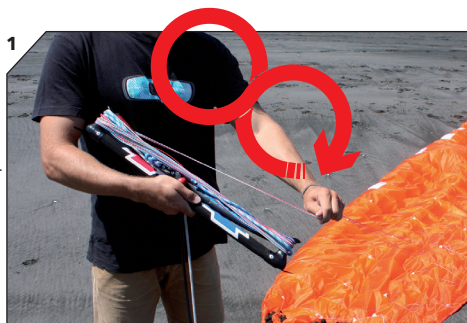


# PACKING

- Land and safely secure the upwind tip with the supplied sand bag, sand, snow or your board.
- Wind the lines around the bar horns. Secure the lines with the elastic.
- Also wind up the Speed System onto the bar - this help reduce bridle tangles.
- Open the centre cell zip on the top surface.

## STANDARD BAG

- Fold the kite tip on tip and roll the sail from the tip to the centre.
- Fold the Kite to the length of the bar and fasten the webbing tie around the folded kite and bar and put it into the bag.



# PACKING

## KOMPRESSOR BAG

- Concertina the Leading Edge (gathering the plastic profile battens together) starting at the centre of the kite, working towards the down wind side.
- Turn the kite away from the wind and repeat for the other side.
- Store the concertinaed Leading Edge in the velcro holder.
- While deflating use the internal compression straps to keep the kite in place.
- Once the kite is fully deflated close the zip on the kite ready for the next session.
- Close the bag zip and draw cord, then fold in half or three sections.
- Use the outside compression strap to keep the kite folded.





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