

8
MANIA
TOWERS



THE MANIAC ©

THE
MANUAL

ATTENTION

WAINMAN HAWAII LLC STRONGLY SUGGESTS THAT YOU TAKE LESSONS AND BE A CONFIDENT AND COMPETENT KITEBOARDER BEFORE USING THIS PRODUCT ON YOUR OWN. THE SUPPLIERS OF THIS PRODUCT ARE NOT RESPONSIBLE FOR ANY DAMAGE TO PROPERTY OR ANY PERSONAL INJURY CAUSED BY ANY USE, MISUSE, ABUSE OR IRRESPONSIBLE USE OF THIS PRODUCT BY THE USER.

THIS IS A POWERFUL TRACTION KITE MADE FOR YOU TO DO KITESURFING ONLY. IT IS NOT A PARACHUTE OR A PARAGLIDER.

IF YOU WANT TO KITESURF, YOU HAVE TO FIRST LEARN HOW TO DO IT PROPERLY AND SAFELY FROM AN EXPERIENCED AND RESPONSIBLE KITESURFER.

KITEBOARDING IS AN EXTREME SPORT AND THE USE OF THIS EQUIPMENT COULD RESULT IN RISK OF SERIOUS BODILY INJURY AND DEATH TO YOURSELF AND THOSE IN CLOSE PROXIMITY TO YOU. INJURIES ARE AN INHERENT RISK OF KITEBOARDING AND PARTICIPATION IN KITEBOARDING IMPLIES THE USER'S ACCEPTANCE AND ASSUMPTION OF THOSE RISKS.

WHEN YOU KITESURF, ALWAYS STAY WITHIN SWIMMING AND GOOD VISIBILITY RANGE OF THE SHORELINE. DON'T GO OUT WHEN THE SURF IS BIG AND THE CURRENTS ARE STRONG. REMEMBER THAT ANY ACTIVITY ON THE WATER MIGHT RESULT IN DROWNING. NEVER KITESURF ALONE.

WHEN YOU KITESURF, REMEMBER TO KEEP A SAFE DISTANCE FROM ALL OBJECTS AS THEY COULD RESULT IN SERIOUS INJURY OR DEATH: LAND, TREES, BUILDINGS, CARS, POWER LINES, ALL OBJECTS IN SHALLOW WATER, YOUR OWN BOARD AND BAR, OTHER KITES AND ALL OTHER VESSELS ETC.

AVOID GUSTY WINDS AND DON'T GO OUT IF THE WIND IS TOO STRONG. NEVER KITESURF WHEN WIND IS OFFSHORE. TAKE EXTREME CARE WHEN THE WIND IS BLOWING ONSHORE. PERFECT CONDITIONS TO KITESURF ARE SIDE-SHORE STEADY WINDS WITH A MODERATE STRENGTH OF 15-25 KNOTS.

REGULARLY INSPECT AND MAINTAIN ALL COMPONENTS OF THIS KITE PROPERLY, PAYING PARTICULAR ATTENTION TO LINES, WHICH MUST ALWAYS BE REPLACED IF DAMAGED AND WORN. IT IS NECESSARY TO ENSURE THAT YOUR QUICK RELEASE IS IN PROPER WORKING ORDER BY ACTIVATING IT PRIOR TO EACH KITESURFING SESSION. AFTER EACH USE, RINSE YOUR QUICK RELEASE WITH FRESH WATER.

INFLATE THE LE AND STRUTS OF YOUR KITE FIRMLY AND MAKE SURE THAT ALL VALVES ARE CLOSED PROPERLY.

ALWAYS CONNECT YOUR FLYING LINES PROPERLY TO THE KITE. FOLLOW THE COLOR CODING OF THE LINES. WRONG CONNECTION WILL CHANGE THE KITE FLYING CHARACTERISTICS AND POSSIBLY RESULT IN SERIOUS BODILY INJURY. REMEMBER TO ALWAYS HAVE THE LINES SYMMETRICAL IN LENGTH. THIS SHOULD BE CHECKED REGULARLY.

WHEN USING THIS KITE, ALWAYS USE COMMON SENSE, RESPECT NATURE, AND TRY TO SAFELY HELP OTHERS WHEN THEY ARE IN TROUBLE.

IF YOU HAVE ANY QUESTIONS ABOUT HOW TO USE THIS KITE PROPERLY, STUDY THE MANUAL OR CONTACT US THROUGH WWW.WAINMANHAWAII.COM FOR MORE INFORMATION.

DO NOT USE THIS PRODUCT UNLESS YOU HAVE READ AND UNDERSTAND THESE WARNINGS, CAUTIONS, AND INSTRUCTIONS WHICH ARE FOR YOUR SAFETY AND PROTECTION. THIS INFORMATION MAY BE SUBJECT TO CHANGE AT ANY TIME. FOR CURRENT UPDATES, PLEASE VISIT OUR WEBSITE AT: WWW.WAINMANHAWAII.COM.

HAVE FUN AND RIDE HARD! ALOHA!

INSIDE THE PACKAGE



- 1. Kite (Inside the Bag)
- 2. Pump (Left Pouch)
- 3. Compression Bag
- 4. ManiaC Bar (Right Pouch)
- 5. Safety Leash
- 6. Additional Lines and Line winder/storage
- 7. Bar Spare Parts located in Accessory Bag
(hex key, suicide connector, metal ring, from line pigtail and extra swivel seals)
- 8. Bungee
- 9. ManiaC Bar Accessory Bag
- 10. ManiaC Repair kit & Stickers
(located in the front pouch of Kite Bag) Vein Inflation System repair kit, bladder patches, sail repair, glue and stickers



THE KITE

1. Thermo-molded bumpers - EVA foam.
2. Center line pigtail attachment points using larks head knot.
3. Rear (steering) line pigtail attachment points. The steering line pigtail comes set on the "STOCK" setting (no label) on the LE. To increase the turning speed of the kite, remove pigtail and re-attach to the FAST tab. To decrease the turning speed re-attach the pigtail to the SLOW setting. The various turning speed options of the ManiaC combined with the center line attachment options can provide unique flying and bar pressure characteristics.
4. Steering line pigtail. Attach color coded steering line to pigtail using larks head knot. The **LEFT** steering line and pigtail is **ORANGE**. The **RIGHT** steering line and pigtail is **GREY**. There are (3) knots on the pigtail that you can attach the back line to.

They are:

- I) Strong Wind Knot (labeled)
 - II) Center Knot (not labeled)
 - III) Light Wind Knot (labeled) (See Rigging Tips on pg. 5)
5. Center line bridle attachment options - changes flying characteristics.
 - 6A. Leading Edge (LE) Inflate Valve.
 - 6B. LE Dump Valve.
 7. Vein Inflation System (VIS) - Single point inflation system called for rapid and easy inflation



FRONT LINE ATTACHMENT

There are 3 trimming options on the front lines called the “Feeling Spectrum” which gives you options of aggressive vs. relaxed, upwind vs downwind, lower vs higher bar pressure, fast turning vs wider turns. It is suggested that the ManiaCs be used on the factory “upwind” setting for the first few sessions. This “upwind” setting is the configuration that comes straight out of the bag when you purchase the kite. It is very important to properly trim the kite (on the clam cleat). If the kite is not properly trimmed, the performance of the kite may be jeopardized (back stalling etc.). When you decide it is time for changing the ManiaC performance characteristics, it is suggested that you always make a single change at a time (on center and back lines). This approach will enable the rider to find his/her perfect setting to match their riding style and maximize optimal performance.

REMEMBER: When changing the front line setting, be sure to adjust the knot to the corresponding setting on the pigtail. UPWIND tab on LE / UPWIND knot on LE pigtail; DOWNWIND tab on LE / DOWNWIND knot on LE pigtail; “STOCK” tab on LE / “STOCK” center knot on LE pigtail (“STOCK” is not labelled on kite).

UPWIND SETTING

The ManiaC comes set up on the “UPWIND” setting tab on the LE out the bag using the END tab and knots (see diagram on left and right). This option will make the kite shift further towards the edge of the wind window enabling better upwind capabilities. The kite will turn a bit slower than the “STOCK” setting and jump with a traditional vertical lift. This setting will also have increased bar pressure.



“MODERATE” SETTING

Attach LE pigtail to STOCK (middle tab not labeled) tab on LE (see diagram on left). The center lines attaches to a LE pigtail with 3 knots (see diagram on right) on it: UPWIND which is labeled, “MODERATE” which is the center knot and not labeled, DOWNWIND which is labeled. The “MODERATE” setting is the all- round setting. You can adjust the pigtail to find your favorite riding characteristic for the kite. To change the settings, undo larks head knot on LE pigtail. Remove LE pigtail and attach to desired tab (UPWIND or DOWNWIND).



DOWNWIND SETTING

Attach LE pigtail to DOWNWIND tab on LE (see diagram on left). Attach larks head knot to DOWNWIND knot (see diagram on right) on LE pigtail that is labeled on the kite. This option will make the kite shift back into the window increasing downwind riding. The kite will turn faster and jump with a more horizontal lift. The kite sits deeper (further back) in the window and the bar pressure decreases.





RIGGING TIPS

As mentioned before, it is **VERY IMPORTANT** that you take lessons with a competent and certified instructor which will ensure safe kite setup and rigging. **REMEMBER: Safety is the number one priority.** Below are a few steps on rigging the ManiaC.



Figure 1.



Figure 2.



Figure 3.



Figure 4.

STEP 1. There are two ways of laying out your lines - upwind and downwind of the kite. Wainman Hawaii highly recommends rigging *DOWNWIND* of the kite (figure 1). There will be certain situations that you can only lay out your lines upwind of the kite. When rigging *DOWNWIND*, make sure that your bar is flipped upside down and Grey rear line is on left and orange rear line is on right (figure 1). Separate all four lines by combing the lines towards the kite with the grey line on your left and orange line on your right. Double check that no lines are crossed over each other.

STEP 2. Once you have pumped up your kite (see tips section on pg. 20), separated all four lines and double checked that no lines are crossed over each other, you can attach the lines to the pigtails on the kite. The lines are color coded to ensure that you attach the correct lines to the corresponding pigtail on the kite.

i) Attaching Rear Steering Lines:

Attach color coded steering line to pigtail using larks head knot (see figure 2). The **LEFT** steering line and pigtail is **ORANGE**. The **RIGHT** steering line and pigtail is **GREY**.

Depending on the wind conditions and rider experience level, always start by using the **MIDDLE** knot (see figure 3) and move it up or down to get more or less power.

There are (3) knots on the pigtail that you can attach the back line to. They are:

Strong Wind (labeled) - The knot (furthest from the) kite will lengthen the back lines providing more depower capabilities. This setting is recommended when you are over powered and need to spill extra power from the kite.

Center Knot (not labeled) - This knot provides power in the kite that is in between Strong Wind and Light Wind.

Light Wind (labeled) - The knot (closest to the kite) will shorten the back lines and provide the most power in your kite.

NOTE: When adjusting the position of the rear line pigtail (SLOW/FAST) at the webbing on the kite tips, the rear to center line length ratio will also change. Please make sure your kite is trimmed correctly to ensure that the kite does not oversheet or backstall.

ii) Attaching Front Center Lines:

Attach color coded (GREY) and labeled (CENTER) line to pigtail using larks head knot (see figure 4). There are three knots on the pigtail. Make sure you use the same knot on each side and that the pulley is free of sand and moving freely on bridle line. You can use 2 different knots in situations where you center lines are not of equal length. This is only a temporary solution and if your front lines are not equal, they must be adjusted.

STEP 3. Once you have attached your lines, once again be sure to do a final check that your lines are connected to the corresponding pigtails and not crossed. Make sure all knots are corresponding to the tabs on the LE (Upwind tab/Upwind Knot, Stock tab/Stock Knot, Downwind tab/downwind knot).

STEP 4. If you have rigged *DOWNWIND*, **REMEMBER** to flip your bar over the correct way (**DANGER** label on bar facing down; left hand on the orange side; right hand on grey side). Double check once again that your lines are not crossed before you hook your harness loop into spreader bar.

MANIAC RELAUNCH

It is **VERY IMPORTANT** that you take lessons with a competent and certified instructor which will ensure safe kite relaunch. Make sure your kite is properly inflated which will assist in easy and quick relaunch capability. **REMEMBER: Safety is the number one priority.** Below are steps and tips on relaunching the ManiaC.

STEP 1. When the kite goes down with the LE in the water, make sure the kite is directly downwind of you. To ensure that your lines are not crossed over, flip the bar upside down and spin it until lines are uncrossed (see figure 1). Try to keep your board on your feet as the added resistance that the board provides will assist in quicker relaunch.

STEP 2. Remember that the bar will now be flipped over, so once you have uncrossed the lines, spin bar facing right way up, grab any one of the rear lines (you can use the Relaunch Ball for assistance) and pull towards your body as illustrated in Figure 2. This will cause the wind to catch the sail and wing tip to lift.

STEP 3. Once

the wing tip lifts, the kite will rotate on its side and start moving towards the wind window. Remember to keep the bar tensioned to maintain rear line tension and the bar aimed towards the side of the wind window that you are trying to move it towards.

STEP 4. Keep the tension on the line as the kite moves to the edge of the window on the wing tip ready for relaunch (see figure 3).

STEP 5. As the kite starts to relaunch, level out your bar and slowly direct the kite up into the sky. Remember to sheet the bar out to depower the kite as soon as the kite leaves the water (see figure 4).



Figure 1.



Figure 2.



Figure 3.



Figure 4.

MANIAC TRADITIONAL RELAUNCH

It is **VERY IMPORTANT** that you take lessons with a competent and certified instructor which will ensure safe kite relaunch. Make sure your kite is properly inflated which will assist in easy and quick relaunch. **REMEMBER: Safety is the number one priority.** Below are a few steps on relaunching the ManiaC (continued).

Depending on the wind conditions (light winds) and additional elements (currents etc.), it may take a little work to get the kite on its wing tip and to the edge of window. You may have to use the traditional kite relaunch method as illustrated above. The concept is very similar to the simple ManiaC Relaunch described on pg. 16, but requires letting the board go and swimming towards kite.

STEP 1. When the kite goes down with the LE in the water, make sure the kite is directly downwind of you. To ensure that your lines are not crossed over spin the bar until lines are uncrossed. Flip the bar over into the correct position. Swim towards your kite to flip it over on its back (see figure 1) - picture shows kite on its LE. Be sure to keep tension in the lines and not swim too much towards the kite as the kite will flip over.

STEP 2. Once the kite is almost on its back, grab a rear line (you can use the Relaunch Ball for assistance) and pull towards your body. This will cause the wind to catch the sail and wing tip to lift (see figure 2).

STEP 3. Once the wing tip lifts, the kite will rotate on its side and start moving towards the wind window. Remember to keep the bar sheeted in for rear line tension and the bar aimed towards the side of the wind window that you are trying to move it towards (see figure 3).

STEP 4. Keep the bar sheeted in and the kite moving to the edge of the window on the wing tip ready for relaunch.

STEP 5. As the kite starts to relaunch, level out your bar and slowly direct the kite up into the sky. Remember to sheet the bar out to depower the kite (see figure 4).



Figure 1.



Figure 2.



Figure 3.



Figure 4.

SELF RESCUE

It is **VERY IMPORTANT** that you take lessons with a competent and certified instructor which will ensure safe self rescue. **REMEMBER: Safety is the number one priority.** Below are steps and tips on self rescue.



Figure 1.

There are various circumstances that may occur and require a self rescue (wind going offshore, sudden and severe wind conditions, broken equipment, dangerous situation etc.). Every rider should be well versed in proper self rescue technique. To describe the self rescue, the rider activated the Quick Release due to a dangerous situation with the kite "flagging" on one of the front lines.



Figure 2.

STEP 1. Activate the Quick Release on the harness loop. Please refer to pg. 19 for steps on proper Quick Release activation. As the bar was setup on "shool safety" or "stock" the kite will depower and "flag" on center line (figure 1).



Figure 3.

STEP 2. Take the ONE center line that you flagged the kite on and slowly start pulling yourself towards the kite until you have reached the bar. When you reach the bar, start wrapping the ONE center line around the bar. Once you have wrapped approximately 15-20 ft., start wrapping the remaining three lines around the bar. This is to ensure that your kite does not power up. You should be slowly moving toward the depowered kite (figure 2). Although it is hard sometimes, make sure NOT TO get tangled in your lines while wrapping. It is suggested that you always carry a kite knife in case you do get tangled. Remember to always watch the kite when winding up your lines. Be prepared to immediately let go of everything if needed in case the wind increases and powers up the kite.



Figure 4.

STEP 3. Once you have rolled up your lines to within half of the kites length, tie the lines down on the bar using a simple knot.

STEP 4. Grab hold of the kite (center of LE). Fold the kite in half and work yourself down to the wing tips. Grab hold of the center line bridles (figure 3).

STEP 5. Position the kite in the direction of wind (assuming the wind direction is towards shore) and sail in the kite in (figure 4).

STEP 6. Sail the kite in until you reach the beach or a safe location (figure 5). Be sure to secure your kite on the beach.



Figure 5.

PLEASE NOTE: Sometimes this method of self rescue will not work (offshore winds etc.). If this is the case, follow Step 1- 4. Once you have secured the kite, deflate the LE (not the struts) and roll the kite up, securing it by wrapping your harness around it. Close deflate valve afterwards so bladder does not fill with water. The rolled up kite (with inflated struts) will offer flotation for you to lie on and paddle back to shore.



MANIAC BAR

1A. FRONT FLYING LINES

330kg/725lbs grey color coded lines with preassembled extensions that can be removed for different kite flying characteristics.

1B. REAR FLYING LINES

220kg/485lbs orange & green color coded lines with preassembled extensions that can be removed for different kite flying characteristics.

2. SWIVEL WITH CERAMIC BEARING

Marine swivel with the breaking strain of 500kg/1100lbs. This unique high performance ceramic bearing offers unmatched free spinning capabilities under high tension loads without any corrosion risks that could result in the swivel getting stuck. Our swivel allows for multiple safety set-up options and easy maintenance.

3. RELAUNCH BALL

The relaunch balls on the back lines are used to assist in relaunching the kite when is leading edge down. Grab the relaunch ball in windy conditions and pull towards you for instant relaunch of kite.

4. POWER TRIM ADJUSTMENT WITH MAGIC VELCRO

Simple trimming system based on the original Clam Cleat mechanism: pull rope in to shorten the front lines and reduce the kite's power or release rope to lengthen front lines and increase power. The strong velcro keeps the extra adjustment rope in place while riding.

5. SOFT BAR ENDS AND COMFORT BAR GRIP

Ergonomic molded EVA (floating cushy foam) bar ends provide soft touch feeling while riding and floats the bar when in the water. The line winder and integrated bungees on the bar to keep winded lines in place after the session. New ergonomic comfortable grip with thinner EVA grip to assure maximized handling efficiency. New stainless steel center piece to minimize tearing of depower section and increase durability of PU tube.

6. CUSTOM DEPOWER LINE

Dimmed transparent PU (very strong plastic) tube with two separate compartments, the tube houses the depower main line (600kg/1320lbs of breaking strain) and safety bungee line. This combo is well fitted in the center hole of the bar, providing superb power/depower capabilities and results in an amazing and direct kite feel.

7. SAFETY BUFFER

Our unique buffer solution provides functionality for different safety setup options. The buffer length also ensures that all quick release activations will be successful. Additionally, the buffer provides chicken loop stability for unhooked riding as it gently locks into the center hole of the bar.

8. SAFETY QUICK RELEASE

The push away quick release handle is used to release the kite from rider in case of emergency. Depending on the selected set-up option, the kite will significantly depower, totally depower (flag) or separate from the rider.

9. SOFT HARNESS LOOP

Covered with a molded EVA (soft cushy foam), the harness loop is very safe for hands and it floats in the water. Due to its construction the loop doesn't elongate while riding. It comes equipped with a removable security pin (Dingy Guy), and the small, integrated ring can be used as a leash attachment point for One Release set-up.



MANIAC BAR: STOCK

STOCK SET-UP

The "Stock" set-up is how the bar comes "out the bag" and is geared towards the every day rider that engages his/her quick release in rare emergency occasions. In this option you attach the bar leash to the "safety" ring on buffer of the stock bar. When engaging the quick release in case of an emergency, the bar leash will stay connected to one of the front lines and "flag" the kite (depowers the kite 100%). In case of further danger activate your quick release on the safety leash to totally separate from the kite.

IMPORTANT: Always attach clip (closest to red release) to your harness so you can reach the release when needed.



Attach this clip to the harness



MANIAC BAR: SUICIDE CONNECTION



SUICIDE CONNECTION SET-UP

The "Suicide Connection" set-up is for experienced riders only. It may meet the needs of expert riders who ride in waves and don't want to lose their kite. It allows for unhooked riding and letting go of the bar without kite "flagging" even if you activate the quick release. After you convert the bar to "Suicide Connection" by attaching the suicide connector to the buffer, attach safety leash to the ring on the suicide connector. When you unhook and let go of bar, the kite will depower the distance of the depower main line. If you activate your quick release, you will still be attached to the kite (safety leash) and you must activate the safety leash to release the kite. If a situation requires you needing to flag your kite, grab the safety buffer handle prior to activating the release on the leash.

HOW TO:
REQUIRED PARTS
- Suicide connector
- metal ring.

MANIAC BAR: SUICIDE CONNECTION



1. Remove suicide connector and ring from Maniac Bar accessory bag.



2. Feed the suicide connector through the hole in the buffer.



3. Loop the suicide connector around the buffer.



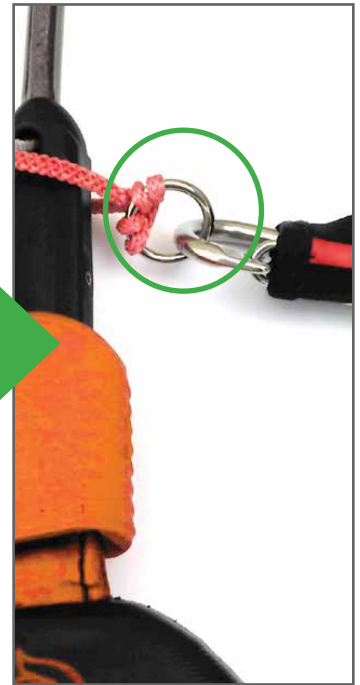
4. Feed both ends of the suicide connector through the loop.



5. Attach the ring to the suicide connector as illustrated above.



6. Attach your safety leash to the suicide connector on the buffer (shown above) and your harness.



IMPORTANT: Always attach clip (closest to red release) to your harness so you can reach the release when needed.

MANIAC BAR: DOUBLE DEPOWER



DOUBLE DEPOWER

The “Double Depower” set-up is for experienced riders only and a favorite among avid freestylers. It allows for unhooked riding and letting go of the bar without the kite “flagging” even if you activate the quick release. After you convert the bar to the “Double Depower” setup, attach the safety leash to the ring on the buffer. Activating the double depower (when you unhook and let go of the bar), shortens your center lines double the distance of the depower main line. If you activate your quick release, you will still be attached to the kite (safety leash) and you must activate the safety leash to release the kite.

HOW TO:

REQUIRED PARTS

(found in ManiaC Bar accessory bag)

- Front line swivel connector
- Metal ring

ADDITIONAL PARTS NEEDED

- Thin line



1. Remove the Safety Ring from the red bungee (as illustrated above).

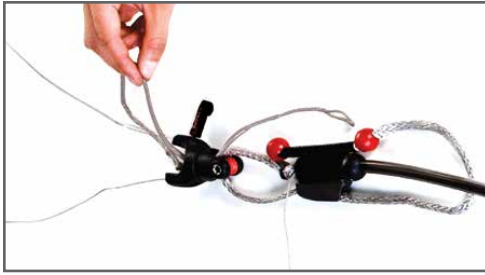


2. Attach thin line to the bungee.

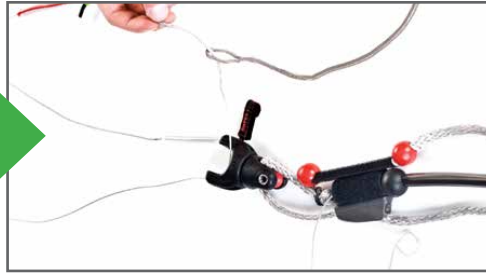
3. Pull the bungee through the plastic tube.

4. Remove the thin line from the bungee.

MANIAC BAR: DOUBLE DEPOWER



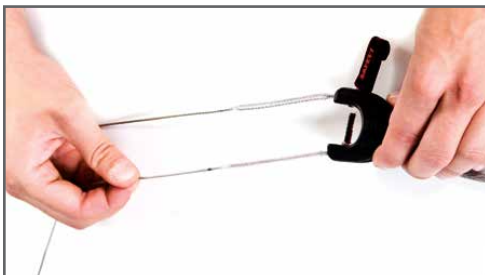
5. Pull the bungee through the swivel and remove the front (grey) center line from the bungee. Do not pull grey front line through the swivel.



6. Locate the front line (red) swivel connector in ManiaC Bar accessory bag.



7. Attach the red connector to the grey front line as illustrate above.



8. Once the connector is attached to front line, pull it tight so it seats firmly in the swivel.



9. Feed the bungee line through the side hole of swivel and loop through itself.



10. Attach the thin line to the bungee.



11. Pull the bungee back through the plastic tube.



12. Remove the thin line from bungee.



13. Locate the metal ring in ManiaC Bar accessory bag.



14. Attach the metal ring to the bungee as illustrated above.



15. Attach your safety leash to the metal ring (shown above) and your harness.

MANIAC BAR: PARA SUICIDE



PARA SUICIDE

The "Para-Suicide Connection" set-up is for experienced riders only and gives you the same benefit of Suicide Connection with the benefit of flagging your kite if you activate your Quick Release. It may meet the needs of expert riders who ride unhooked and don't want to lose their kite. It allows for unhooked riding and letting go of the bar without "flagging" the kite. After you convert the bar to "Para-Suicide Connection" by attaching the suicide connector to the safety bungee and feeding it through the metal ring on the harness loop, attach the safety leash to both the ring on the suicide connector and metal ring on harness loop. When you unhook and let go of bar, the kite will depower the distance of the depower main line. If you activate your quick release, you will "flag" your kite as the leash is attached to the grey safety bungee that flags the kite on a front line.

HOW TO:

REQUIRED PARTS

- Suicide connector
- metal ring.

MANIAC BAR: PARA SUICIDE



1. Remove the Safety Ring from the grey bungee (as illustrated above)



2. Attach suicide leash to the grey bungee by looping through each other (as illustrated above)



3. Feed the suicide connector through the metal ring on the harness loop (where security pin named "Dingy Guy" is attached)

4. Attach your safety leash through the suicide connector ring and metal ring on the harness loop

IMPORTANT: Always attach clip (closest to red release) to your harness so you can reach the release when needed.

MANIAC BAR: ONE RELEASE SETUP

ONE RELEASE

The “One Release” set-up is based on the simple principle that in case of major danger, there should be one ultimate kite release and kite will be completely detached from the rider. When choosing this setup you have to be aware that when you activate your QR, your kite will fly away. Make sure you don’t ride upwind from anyone when activating the QR to avoid harming anyone downwind. “One Release” can be ridden with the “Dingy Guy” or without it. Attach safety leash to metal ring on the harness loop (where security pin named “Dingy Guy” is attached). When you unhook and let go of the bar, kite will depower the distance of the depower main line. If you activate your quick release, you will be completely separated from the kite. In certain circumstances, you may have time and choose to grab the Safety Handle on the buffer while activating the QR which will flag out the kite on one of the front lines.

HOW TO:

Attach your safety leash to the ring on the harness loop (shown below) and your harness.

IMPORTANT: Always attach clip (closest to red release) to your harness so you can reach the release when needed.



THE QUICK RELEASE & SAFETY LEASH

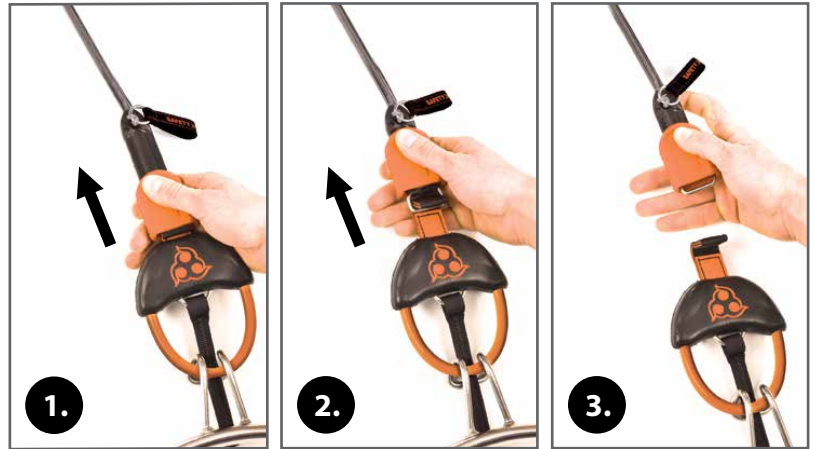
Please remember that it is always your (and others) health and life that is more important than the kite itself. If you ever feel that you are in a dangerous and uncertain situation, **activate the quick release**. Be logical, know your limits, and kite in a safe environment.

NOTE: After every session the quick release, on both the harness loop and safety leash, should be rinsed with fresh water. Before every session the quick release should be checked for solid functionality or be replaced.

MAIN RELEASE :

Every rider should be well versed in activating the Quick Release in case of emergency. To activate your Quick Release, please follow steps below:

- 1) Grab Quick Release firmly.
- 2) Push away from yourself (in direction of arrow).
- 3) Pushing hard enough under tension will separate the kite from the harness loop.



RESETTING:

To reset the Quick Release, please follow steps below:

- 1) Slide lip of Harness Loop through the metal rectangle (below Quick Release).
- 2) Bend the lip down, grab the Quick Release and pull towards yourself (in opposite direction of arrow).
- 3) Keep pulling (towards you) until Quick Release mechanism "snaps" into place.



SAFETY LEASH:

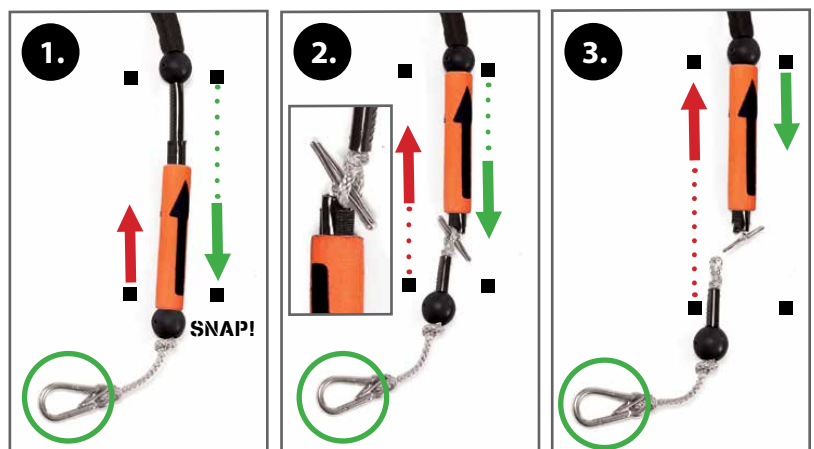
IMPORTANT: Always attach clip (closest to red release) to your harness so you can reach the release when needed - see diagrams on right. The other clip will be attached to one of the options discussed on pg. 11-18.

RELEASE:

To activate the safety leash release, grab the red handle firmly and push handle away from yourself (red arrow).

RESETTING:

To reset the safety leash, slide metal pin through loop (see image in 2) turn it and pull towards yourself (green arrow) until it "snaps" into place.



Attach this clip to the harness

MANIAC BAR: 5TH LINE SETUP



5TH LINE SETUP

Although the ManiaC was designed on four lines and performs optimally on this 4-line setup in the correct rider weight and wind range, the 5th line setup allows for increased wind range and additional stability of the ManiaC in overpowered conditions. Be sure to test the tension on the 5th line (after you have added the V-line to kite) once you have made the conversion. Launch the kite after conversion and sheet the bar in. The 5th line should not have too much tension on the line when sheeting in, nor have too little. It is the riders responsibility to determine the correct amount of tension required for optimal performance.

5th line setup can be purchased from your local dealer to complement your ManiaC.

HOW TO:

REQUIRED PARTS (found in ManiaC 5th line kit):

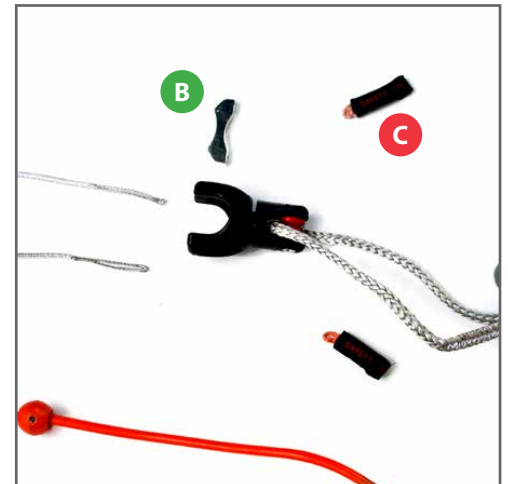
- A** 5th line + 5th line extension
- B** 5th line adaptor
- C** Safety stopper (found in ManiaC accesory bag)
- D** 5th line 2m extension



- 1.** Remove the safety ring from the bungee line.

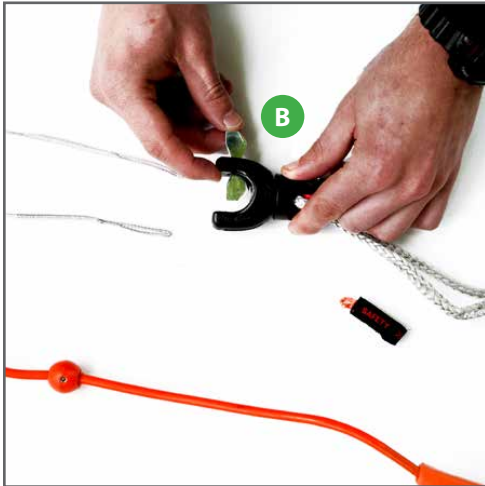


- 2.** Pull the bungee through the PU tube towards the swivel.

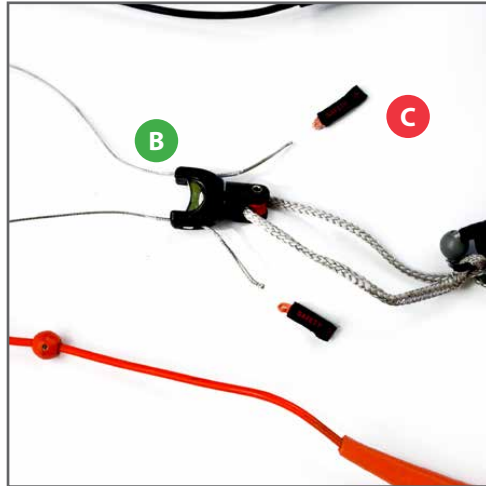


- 3.** Remove the front line (orange) swivel connector from swivel and the bungee from the front line. Find additional connector in ManiaC accessory bag.

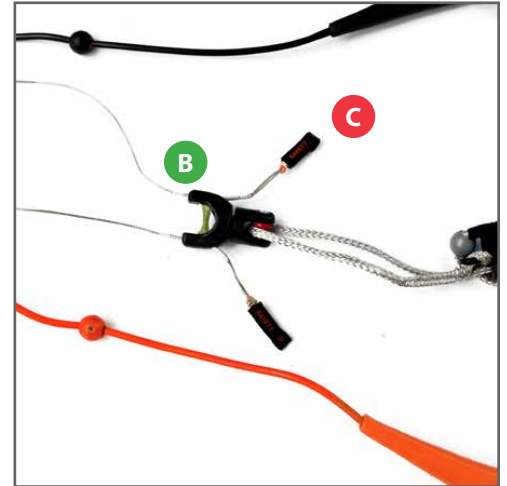
MANIAC BAR: 5TH LINE SETUP



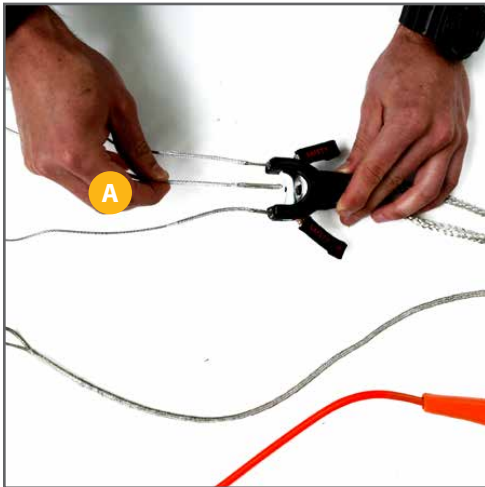
4. Place the 5th line adaptor in the middle of the swivel.



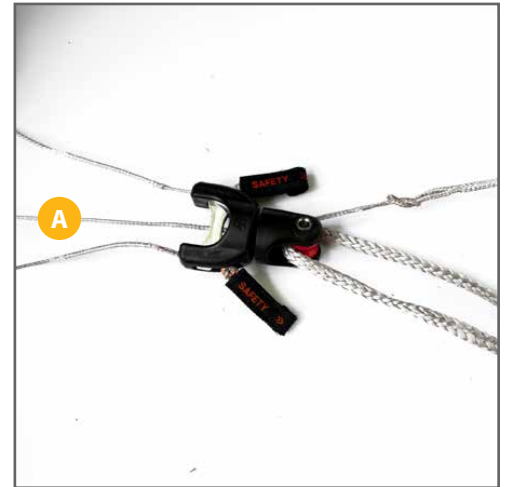
5. Feed the front lines through holes in swivel and 5th line adaptor.



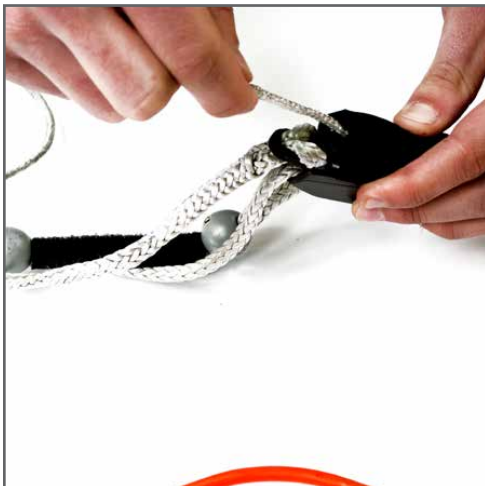
6. Attach the front line (orange) swivel connectors to the center lines.



7. Insert the 5th line through the hole in the 5th line adaptor and swivel.



8. Connect the 5th line to the bungee line.



9. Feed the bungee line through PU tube towards the bar shaft.



10. Attach Safety Ring to the bungee.



MANIAC BAR: V-LINE ATTACHMENT



5TH LINE SETUP

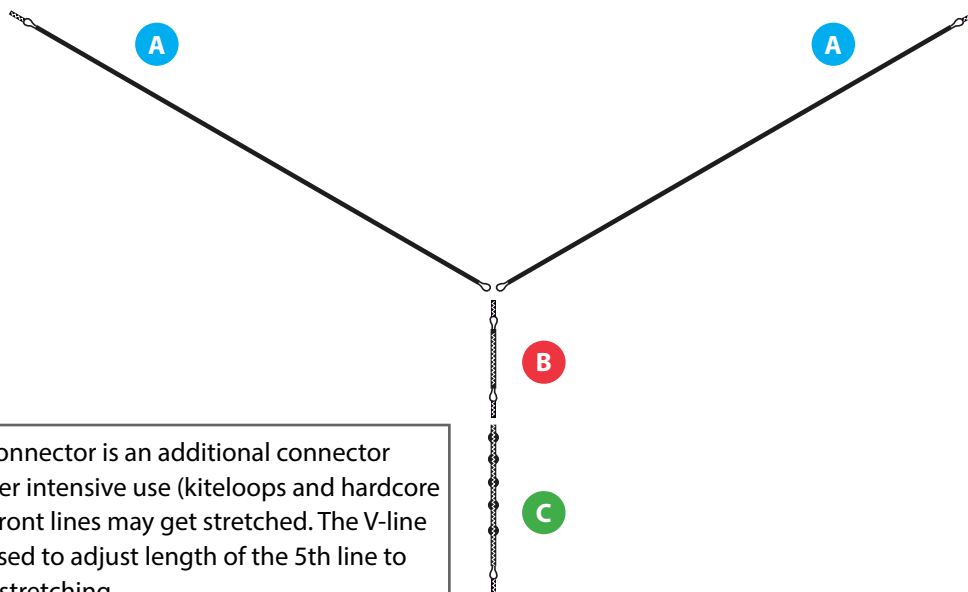
Although the ManiaC was designed on four lines and performs optimally on this 4-line setup in the correct rider weight and wind range, the 5th line setup allows for increased wind range and additional stability of the ManiaC in overpowered conditions. To complete the setup, a v-line has to be attached to the kite. Follow instructions below to ensure proper setup. Be sure to test the tension on the 5th line (after you have added the v-line to kite) once you have made the conversion. Launch the kite after conversion and sheet the bar in. If the 5th line is too short, the kite will lose its shape and in affect, the power in the kite. Turning the turns will become more difficult due to front line holding the kite. If the 5th line is too long, it will be ineffective in keeping the shape of the kite in gusts, but will maintain good turning characteristics. It is up to the rider to find the "sweet spot" with the correct amount of tension required for optimal performance. As a guide, the 5th line should be a bit longer/looser than the (2) grey center lines when you launch the kite and be relatively even in length with the front lines when the bar is sheeted in at full power (no trim pulled in).

V - line attachment set can be purchased from your local dealer to complement your ManiaC.

HOW TO:

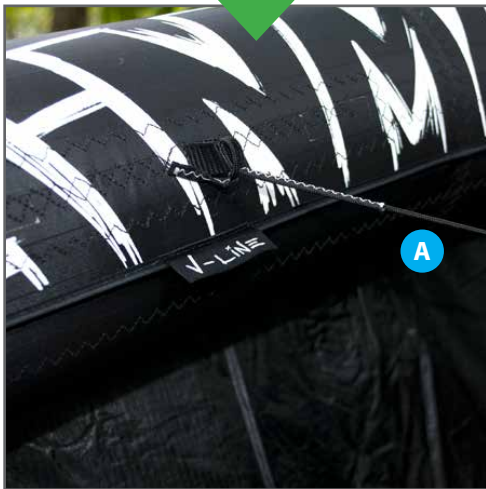
REQUIRED PARTS (found in ManiaC V - line kit):

- A** V - line (2 lines with with loops)
- B** V - line connector
- C** V - line trimming connector*

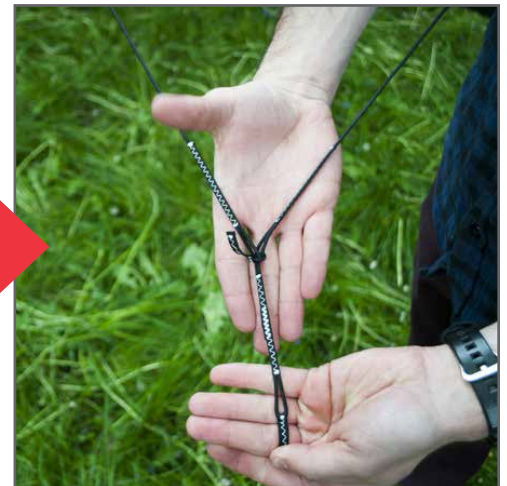
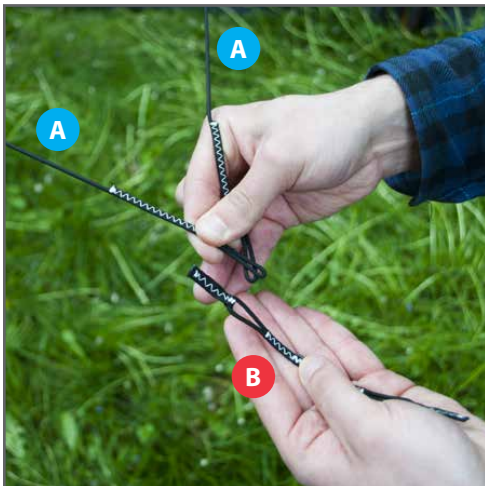


* The V - line trimming connector is an additional connector that may be required after intensive use (kiteloops and hardcore wakestyle tricks) as the front lines may get stretched. The V-line trimming connector is used to adjust length of the 5th line to compensate for the line stretching.

MANIAC BAR: V-LINE ATTACHMENT



1. Attach both V lines to the attachment points (V - line tab) on the leading edge of the kite. Use the loop with small black label.



2. Connect V - line pigtail to both ends of the V - line.

MANIAC BAR LINES WITH 5TH LINE



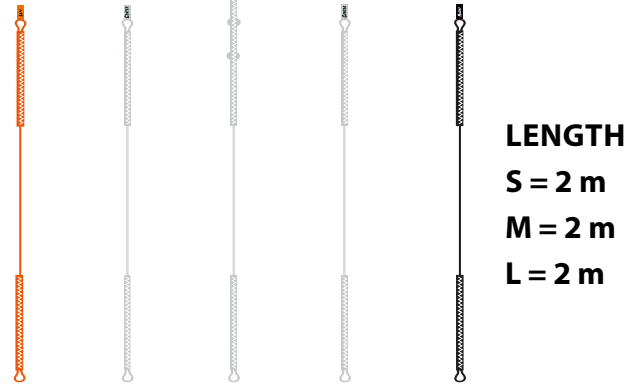
V - LINE CONNECTOR -
located in V-LINE kit



V - LINE TRIMMING CONNECTOR - locat-
ed in V-LINE kit*



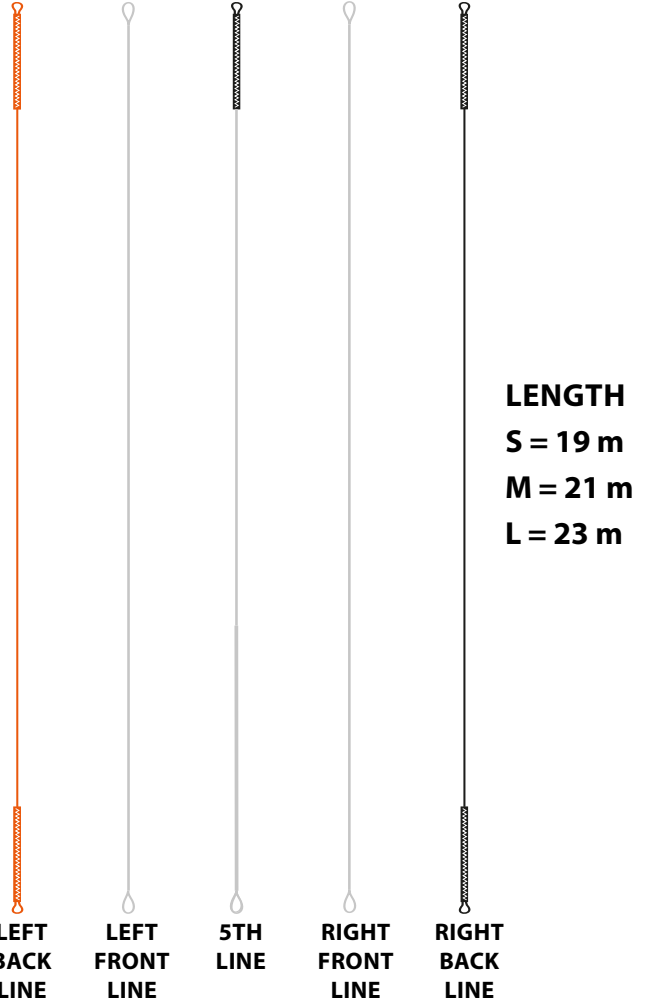
LENGTH
S = 2 m
M = 2 m
L = 2 m



LENGTH
S = 2 m
M = 2 m
L = 2 m

FLYING LINES EXTENSIONS

(2xFRONT & 2xBACK line extensions are located in ManiaC bar accessory bag, 1x 5th LINE extension is located in 5th LINE kit)



LENGTH
S = 19 m
M = 21 m
L = 23 m

* The V - line trimming connector is an additional connector that may be required after intensive use (kiteloops and hardcore wakestyle tricks) as the front lines may get stretched. The V-line trimming connector is used to adjust length of the 5th line to compensate for the line stretching.

TIPS & INFO

REMEMBER: Safety is the number one priority.

1. Always make sure your swivel and pulley moves freely and is not jammed when setting up your kite (before every session).
2. You should frequently check your flying lines to ensure that all 4 lines are equal in length when the bar is trimmed at full power (release depower rope out of clam cleat). Lines will stretch over time. Check with your local shop on line stretching/adjusting techniques.
3. You should frequently inspect your kite canopy for small holes and the seams for fraying. It is a good habit to inspect while you are pumping your kite.
4. Make sure your lines are free of knots and damage when setting up and/or de-rigging your lines.
5. When closing the deflation valve on LE, remember to make sure it is shut and seal it tightly with velcro (figure 1-2).
6. Use the Magic Velcro to lock in dangling depower rope.
7. Remember to trim your kite with your depower rope/clam cleat for optimal performance. Failure to do so may result in the kite over or under sheeting. Check with your local shop or instructor on trimming techniques.
- 8 A. The 6.5m and 8m uses Small bar (41.5cm shaft) - 21m (19m+2m) line set + additional 2m extension = total 23m.
- 8 B. The 9.5m uses Medium bar (45cm shaft) - 23m (21m+2m) line set + additional 2m extension = total 25m.
- 8 C. The 11.5m & 14m uses Large bar (48cm shaft) - 25m (23+2m) line set + additional 2m extension = total 27m.
9. Always make sure the clamps on the VIS is open when pumping or deflating the kite (Figure 3).
10. Always make sure the clamps are closed on the VIS system after inflating the kite (Figure 4).
11. Secure your kite on the beach at all times (using sand, compression bag filled with sand etc.).
12. Pump kite "right", but use caution and do not over inflate.
13. Always rinse the swivel after every session to ensure that it spins freely (figure 5).
14. Make sure you inspect your flying lines just as it is written on the swivel – the lines go through it therefore they are under a bigger threat of breaking if the system is activated very often. This is the regular wear & tear and so it is up to rider to control that before every session and replace if needed.



Figure 1.



Figure 2.



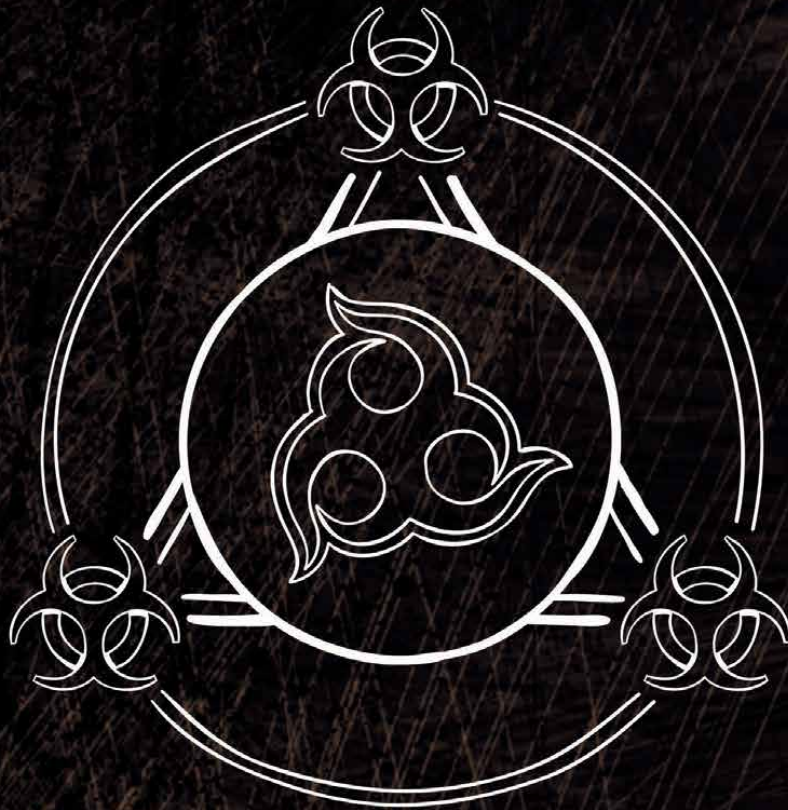
Figure 3



Figure 4.



Figure 5.



WAINMAN HAWAII
Kiteboarding Company
Maui, Hawaii, USA

www.wainmanhawaii.com
info@wainmanhawaii.com