

2019 K1 - YO KITE

USER MANUAL

THANKS FOR CHOOSING ODO KITEBOARDING

THE FOLLOWING USER MANUAL HAS BEEN PREPARED TO DESCRIBE WARNINGS, CAUTIONS AND INSTRUCTIONS TO USE YOUR ODO KITEBOARDING KITE AWARE OF THE INHERENT RISKS RELATED TO KITESURFING

DO NOT USE THIS PRODUCT UNLESS YOU HAVE READ AND UNDERSTOOD THE USER MANUAL

IF YOU ARE BELOW THE AGE OF 18 YOU SHOULD HAVE YOUR PARENT OR GUARDIAN READ THESE WARNINGS, CAUTIONS AND INSTRUCTIONS AND SHOULD NOT IN ANY CASE USE THIS PRODUCT UNLESS YOU ARE UNDER THE PROPER GUIDANCE AND SUPERVISION OF YOUR PARENT OR GUARDIAN.

THE FOLLOWING USER MANUAL IS NOT INTENDED TO TEACH HOW TO PRACTICE KITESURF

1. Release of liability.....	1
2. Safety precautions and recommendations.....	1
2.1. Kiteboarding safety recommendations.....	2
2.2. Precautions and dangers from the kite.....	2
2.3. Recommendations to minimize the dangers from the kite lines.....	2
2.4. Recommendations to minimize the dangers from your kiteboard surfboard.....	3
2.5. Recommendations to minimize the dangers to uninvolved third parties.....	3
2.6. Recommendations to minimize the weather related risks.....	3
3. How to set up your kite.....	5
3.1. Kite description.....	5
3.2. Bar force settings.....	6
3.3. Inflating the kite.....	7
3.4. Securing the kite.....	8
4. Correct use of the inflating and deflating valves.....	8
4.1. When you need to inflate your kite.....	8
4.2. When you need to deflate your kite.....	8
5. How to connect the bar lines to your kite.....	13
6. Packing up the Kite.....	14
7. Kite suggested care and maintenance.....	15
8. How to repair your bladders.....	10
8.1. How to remove the leading edge bladder.....	10
8.2. How to remove the strut bladders.....	11
8.3. Bladder Repair.....	11
8.4. Re-inserting the leading edge bladder.....	11
9. Wind speed and kite size.....	12
10. Warranty Policy.....	13

1. Release of Liability

RELEASE OF LIABILITY, CLAIM WAIVER, ASSUMPTION OF RISK

By assembling and/or using this Odo Kiteboarding product, you agree that you have read and understood the entire Odo Kiteboarding product user's manual, including all instructions and warnings contained in that manual, before using the Odo Kiteboarding product in any way.

ASSUMPTION OF RISK

The use of the Odo Kiteboarding Product and any of its components involve certain inherent risks, dangers, and hazards that can result in serious personal injury and death to both the user and to nonuser third parties. In using the Odo Kiteboarding Product, you freely agree to assume and accept any and all known and unknown risks of injury to you and to third parties while using this sport equipment. The risks related to this sport activity can be greatly reduced following the warning guidelines listed in this user's manual and using common sense.

RELEASE AND WAIVER OF CLAIMS

In consideration of the sale of the Odo Kiteboarding product to you, you hereby agree to the fullest extent permitted by law, as follows:

To release waive any and all claims, that you have or may in the future have against Top Surf S.r.l. and all related parties resulting from use of the Odo Kiteboarding Product and any of its components. To release Odo Kiteboarding and all related parties from any and all liability for any loss, damage, injury or expense that you or any users of your Odo Kiteboarding product may suffer, or that your next of kin may suffer, as a result of the use of the Odo Kiteboarding product, due to any cause whatsoever, including negligence or breach of contract on the part of Top Surf S.r.l. and all related parties in the design or manufacture of the Odo Kiteboarding 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. Top Surf Srl related parties have not made and expressly deny any oral or written representations other than what is set forth herein and the Odo Kiteboarding product user's manual.

2. Safety precautions and recommendations

Odo Kiteboarding strongly recommends

-Before using your Odo Kiteboarding product you must attend a licensed Kiteboarding school to learn the basics of this sport. Get familiar with the safety precautions, which are mandatory to Kiteboard safely. Kiteboarding creates a heavy stress on your body: You should practice this sport only if you are in good physical condition and do not suffer from any medical conditions that may prevent you from kiting. Always act carefully not to endanger yourself or anyone else nor the safety of uninvolved third parties. Be certain to evaluate the risks you can take and limit them to a minimum level.

-For your own safety, read the following instructions very carefully and before using this Odo Kiteboarding product make sure you are familiar with your Odo Kiteboarding gear.

-Never kite alone, have always someone that can help you in case of need.

- The following recommendations and precautions listing cannot be complete. Be aware that the basic rules for kiteboarding comply with those of common sense and are valid for all outdoor sports.

2.1. Kiteboarding safety recommendations

- Fly your Kite only over unobstructed water, never on land.
- Fly this kite only if you are a strong swimmer and you are wearing a Coast Guard approved PFD.
- Only use Odo Kiteboarding compatible bars with a safety system that you can open in emergency situations.
- Use a quick-release system kite leash that can disconnect your body from the gear in case of an unpredictable emergency.
- Avoid any area with obstacles like power lines, telephone poles, airports, streets, buildings and trees.
- Even if it is strongly suggested not to do should you want to use a board that is leashed to your body, wear a helmet
- Take into account the usual risks associated with water sports such as rocks, waves, sunburn, hypothermia, jellyfish etc.

2.2. Recommendations to minimize the dangers from the kite

- Fly your kite only over unobstructed water.
- When kiting, do not fly over people or pets.
- Ensure that a semi-circle extending 100 meters downwind and to each side of your flying position is clear of people and or obstacles.
- Use the Odo Kiteboarding kite leash that allows you to keep the kite under control or if necessary to disconnect it from your body.
- If not secured properly a parked kite filled with air can fly away at any time, injuring people and in extreme cases even kill them: when not in use the inflated kite must be secured with sand or heavy objects.
- You can hurt yourself through uncontrolled water take-offs caused by gusty conditions, and the danger of collision with obstacles.
- The incorrect usage of the kite creates a high risk of injury for yourself as well as others.
- People who get caught by the lines can suffer injuries or burns.
- Uninvolved third parties can get injured through crashing kites.

2.3. Recommendations to minimize the dangers from the kite lines

- The kite lines are dangerously sharp when under tension: never touch the kite lines when the kite is under the wind load.
- Never use kite lines damaged, with nicks, cuts etc. Inspect the lines when rigging and eventually replace the line set immediately with a new Odo Kiteboarding original line set.

- Use only lines that have no knots in them, as knots can weaken lines by as much as 50%.
- Do not touch the lines of the kite, unless the kite has been secured to the ground. An unsecured kite can re-launch unexpectedly, putting the line dangerously under tension.
- Make sure never tie lines around your arms or other body parts.

2.4. Recommendations to minimize the dangers from your kiteboard – surfboard

- Make sure to wear the appropriate protections and to avoid any collision with the kiteboard or the surfboard (it might cause serious head, legs and feet injuries)

2.5. Recommendations to minimize the dangers to uninvolved third parties

- Do not kite in locations where uninvolved third parties might get injured.
- Avoid flying the kite close to surfers, swimmers, kayakers, windsurfers, water-skiers and boaters.

2.6. Recommendations to minimize the weather related risks

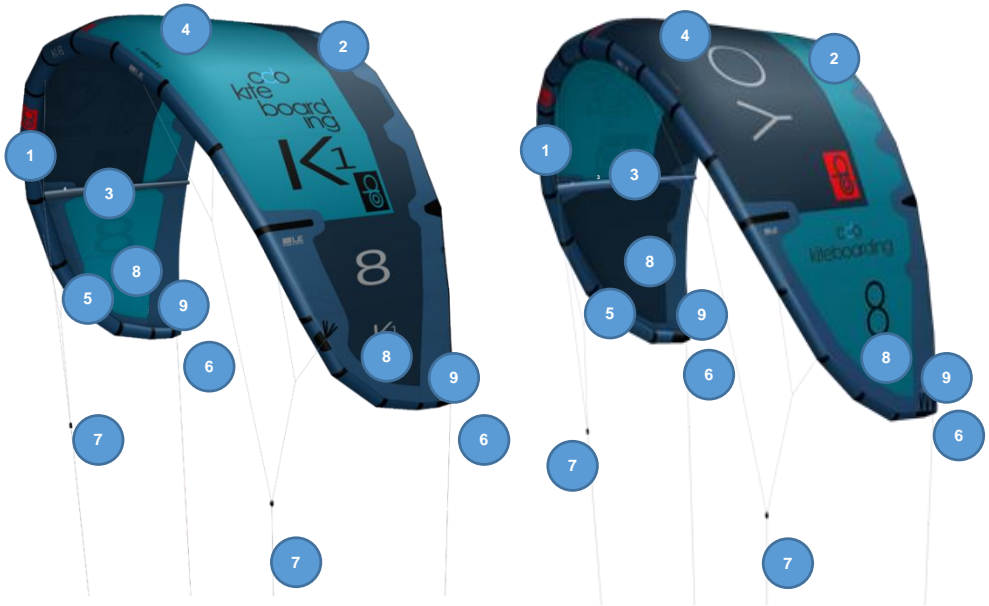
- Do not practice kiteboarding with offshore wind.
- Pay attention when kiting with onshore wind.
- Get detailed information about the kiting spot (current and tide conditions)
- Always consult the weather report and the local riders on prevailing weather conditions.
- Never use the kite when wind forces are so intense that you are not able to control precisely your kite.
- Do not use the kite when wind conditions are likely to change dramatically.
- Always check the weather report and never use this kite when thunderstorms are approaching or when such storms have a good chance of developing.
- Should a storm approach quickly exit the water instantly because you could get in a life threatening situation (you might be struck by lightning).
- Consider always to practice kitesurf only with appropriate weather conditions and with a correct kite size in relation to your weight, skill level and wind speed.








BEAUFORT SCALE

Beaufort Number	Name	Knots	MPH	Effects Observed Far From Land	Effects Observed On Land
0	Calm	Under 1	Under 1	Sea like mirror.	Calm; smoke rises vertically.
1	Light Air	1-3	1-3	Ripples with appearances of scales; no foam crests.	Direction of wind shown by smoke drift, but not by wind vanes.
2	Light Breeze	4-6	4-7	Small wavelets; crests of glassy appearance, not breaking.	Wind felt on face; leaves rustle; ordinary vane moved by wind.
3	Gentle Breeze	7-10	8-12	Large wavelets; crests begin to break; scattered whitecaps.	Leaves and small twigs in constant motion; wind extends light flag.
4	Moderate Breeze	11-16	13-18	Small waves, becoming longer; numerous whitecaps.	Raises dust and loose paper, small branches are moved.
5	Fresh Breeze	17-21	19-24	Moderate waves, taking longer form; many whitecaps; some spray.	Small trees in leaf begin to sway; crested wavelets form on inland waters.
6	Strong Breeze	22-27	25-31	Larger waves forming; whitecaps everywhere; more spray.	Large branches in motion; whistling heard in telegraph wires; umbrellas used with difficulty.
7	Near Gale	28-33	32-38	Sea heaps up; white foam from breaking waves begins to be blown in streaks.	Whole trees in motion; inconvenience felt in walking against the wind.
8	Gale	34-40	39-46	Moderately high waves of greater length; edges of crests begin to break into spindrift; foam is blown in well-marked streaks.	Breaks twigs off trees; generally impedes progress.
9	Strong Gale	41-47	47-54	High waves; sea begins to roll; dense streaks of foam; spray may reduce visibility.	Slight structural damage occurs (chimney pots and slate removed).
10	Storm	48-55	55-63	Very high waves with overhanging crests; sea takes white appearance as foam is blown in very dense streaks; rolling is heavy and visibility reduced.	Seldom experienced inland; trees uprooted; considerable structural damage occurs.
11	Violent Storm	56-63	64-72	Exceptionally high waves; sea covered with white foam patches; visibility still more reduced.	Very rarely experienced; accompanied by widespread damage.
12	Hurricane	64 and over	73 and over	Air filled with foam; sea completely white with driving spray; visibility reduced.	

3. How to set up your kite

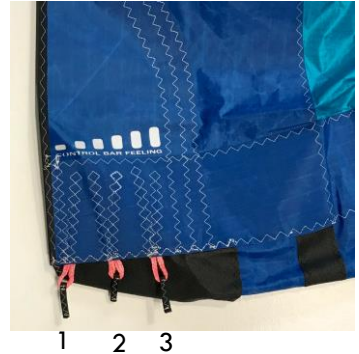
3.1 Kite description



-  Leading edge
-  Trailing edge
-  Strut
-  Canopy
-  Deflate valve
-  Back line pigtail
-  Front line pigtail

3.2. Bar force settings

The kites come out in SETTING 1 but you can easily fine tune the bar load feeling and its related kite responsiveness in relation to your preferred style by moving the back line pigtail kite attachment to one of the three different positions



SETTING 1
-Softer bar load feeling
-Less responsive kite
-Less power delivery
-Smooth kite loops

SETTING 2
-Intermediate bar load feeling
-Intermediate responsiveness
-Intermediate power delivery

SETTING 3
-Heavier bar load feeling
-More responsive kite
-More power delivery
-Powerful kite loops

3.3. Inflating the Kite

1. Lay the kite out on the sand, grass or a surface free of hard or sharp objects as they could damage it.



2. Turn the Kite with the Leading Edge into the wind, positioning the bottom side of the kite up and connect the pump leash with the leash attachment on the kite



3. Close the deflate valve at the end of the wingtip and make sure to close the velcro webbing too.



4. Verify that all the one-pump system cleats are open.



5. Attach the pump to the inflate valve and inflate the kite until the leading edge and the struts are completely inflated and the pressure reaches 7 PSI.



6. Disconnect the pump and close the inflating valve.



7. Squeeze the one pump system cleat on each strut to isolate the inflated struts (Click noise).

3.4 Securing the kite on the beach

When rigging up and when the kite is parked it needs to be firmly secured to avoid it might fly away.

1. Spot an area without any sharp objects.
2. Position the kite pointed into the wind with the leading edge laying on the ground.
3. Add some sand or other soft objects or your board (avoiding that the fins come into contact with the kite tissue) on the canopy to secure the kite to the ground.



4. Correct use of the inflating and deflating valves

4.1. When you need to inflate your kite

1. Verify that the base of the valve is correctly screwed and closed
2. Unscrew and remove the inflate valve cap.
3. Insert the end of the pump hose fully into the valve.
4. Pump up the kite.
5. Remove the hose from the valve
6. Close the valve with the cap.

4.2. When you need to deflate your kite

1. Odo Kiteboarding strongly suggests you to deflate the kite using uniquely the deflate valve placed closed to the tip of the kite.
2. Deflate the kite opening the deflate valve.
3. Should you have opened the inflate valve base to deflate, which is strongly suggested not to do, make sure to clean it up and close the valve screwing base very carefully to avoid further undesired air leakages.

5. How to connect the bar lines to your kite

Odo Kiteboarding Kites have been designed to perform at the very best when using exclusively Odo Kiteboarding Quick Vario Bar, please refer to Odo Kiteboarding Quick Vario Bar manual

1. Attach the knot of the back line to the head loop at the end of the pigtail tip.

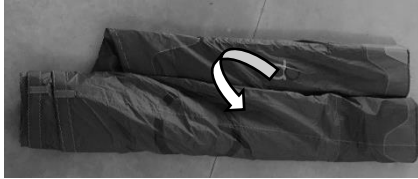
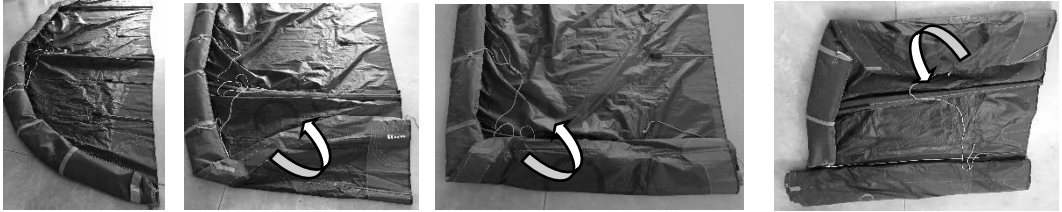
Pay attention that the red line from the bar needs to be attached to the red attachment point on the kite and the blue line from the bar needs to be attached to the blue attachment point on the kite

2. Repeat this procedure for the front line. Here, the knot is located at the pigtail attached to the kite and the front lines are grey

6. Packing up the Kite

1. Make sure to open each strut cleat and exhaust the air from the kite through the deflate valve on the end of the tip.

2. Roll the kite up starting from the wingtip opposite to the deflate valve for almost $\frac{3}{4}$ of the kite length then roll it up from the opposite wingtip.



3. Fold the kite in 3 parts and store it in the kite bag.



7. Kite suggested care and maintenance

Follow the tips below to maintain a more durable and better performing gear.

- Always keep sand and water out of the air pump
- Close your kite and protect it from sun, wind and sand which can age it quickly when you are not flying it.
- Avoid bringing the kite into contact with any sharp surface that might damage or puncture or tear the fabric (e.g. edged rocks, thorns, wood, road surface, concrete).
- Do not leave your inflated kite on the beach for a long period of time because the small movements caused by the wind may quickly cause a quicker cloth consumption.
- Fold the kite correctly and pack it up into the Odo Kiteboarding kite bag to avoid any damage to the kite cloth.
- Should you need to move on the beach an inflated kite, turn it upside down so that the leading edge is upwind and the underside faces upward grabbing the center of the leading edge tube. If the wind is blowing, it will hold the kite clear of the ground. Be sure not to drag the tips of the kite across the ground.
- Rinsing your kite in fresh water and drying it is correct as well as leaving the salt coating on it.
- When cleaning the kite be sure that all the valves are closed and that no water, dirt, or sand can get inside the one pump system.
- Be sure that the kite is completely dry before packing it up otherwise changes of color or mildew may occur (such bleedings are classified as misuse and are not covered under the Odo Kiteboarding warranty).
- Do not dry the kite in direct sun

8. Bladder Repair

In case of major repairs please refer to a professional kite repair center while in case of minor repairs follow the instructions below.

8.1. How to remove the leading edge bladder

1. Lay the kite down flat on the ground upside down and deflate all the kite.
2. Remove all rubber hose from the leading edge valves.
3. Open the end of the leading edge at the wing tips of the kite and pull out the bladder a few centimeters.
4. Attach a kite line to it using a larks head.
5. Open the zipper at the center of the leading edge.
6. Push the bladder valves in the leading edge empty space.
7. Remove one side of the bladder form the leading edge, leaving the kite line inside the leading edge for re-insertion.

8.2. How to remove the strut bladders

1. Remove the rubber hose form the strut valve.
2. Push the bladder valve in the strut empty space.
3. Turn it sideways and have a close look at the front part of the strut.
4. Disconnect the small white rope from the loop webbing.
6. Pull out the white rope carefully.
5. Take one of the flying lines and halve it. Connect the white rope to this line and secure it with two knots.
7. Turn the strut over to the other side and push the valve into the strut.
8. Ensure that the valve can move inside the strut freely.
9. Now have a look at the strut end.
10. Remove the strut flap and pull carefully on the bladder.
11. Insure that the flying line you attached at the front of the strut can slide through the strut hole easily.
12. Pull out the entire bladder through the strut end.
13. Remove the flying line from the bladder, ensuring that you keep the flying line inside the strut in order to be able to replace the bladder again.
14. To reinstall please follow the above procedure backwards.

8.3. Bladder Repair

For repairing small bladder holes we recommend to use the repair kit from Odo Kiteboarding or should you note able to manage this repair refer to a professional kite repair center

1. Inflate the bladder and wipe it with a sponge soaked in soapy water or submerge portions of the bladder in a tub of water. Air bubbles indicate holes.
2. Mark the hole and deflate the bladder.
3. Dry the bladder around the hole.
4. For small holes use the self-adhesive repair patches.
5. For bigger holes: cut a round patch out of the enclosed tube material.
6. Spread the patch and the damaged area with a thin layer of contact glue and let both sides begin to dry.
7. Now press both sides together.

8.4. Re-inserting the leading edge bladder

1. Before you begin to reinsert the bladder make sure the air valves are aiming in the direction of the valve openings.
2. Fold the bladder according the picture and lay the folded bladder in front of the zipper of the leading edge.

3. Pull carefully on the line coming out of the middle of the leading edge and feed the bladder back into the cavity.
4. Be sure that it is inserted correctly without twisting.
5. When the bladder is completely inserted, make sure that the air valves are positioned correctly in the valve openings. Make sure that the two marks of the inflation valve face each other after assembly.
6. Re-attach rubber hoses to the leading edge valves.
7. Close all the cleats.
8. Fill the leading edge with air carefully.
9. Check that the bladder has been correctly inserted and look for wrinkles in the material. If you detect any irregularities in the air tube or if the valve is not positioned correctly, deflate and start over again.
10. Roll up the excess bladder and close the flaps at the wing tips.

9. Wind speed and Kite size

The following table shows the APPROXIMATE average wind speeds in which kites of different sizes can be used by average weight riders of various skill levels equipped with different boards. Riders who are significantly heavier or lighter should use, for a given wind speed range, kites that are one size bigger or smaller respectively. This table is a rough guide only.

K1 KITE WIND RANGE

SIZE	TWIN TIPS KTS	SURF BOARDS KTS	LINE LENGHT MT
4	30-42	26-40	22 (25)
5	26-40	24-38	22(25)
6	24-38	22-36	22 (25)
7	22-36	20-34	22 (25)
8	20-34	18-32	22 (25)
9	18-32	16-30	22-25
10	16-30	14-28	22-25
11	14-28	12-26	22-25
12	12-26	10-24	22-25

YO KITE WIND RANGE

SIZE	TWIN TIPS KTS	SURF BOARDS KTS	LINE LENGHT MT
4	30-42	26-40	22 (25)
5	26-40	24-38	22(25)
6	24-36	22-34	22 (25)
7	22-32	20-30	22 (25)
8	20-30	18-28	22 (25)
9	18-28	16-26	22-25
10	16-26	14-24	22-25
11	14-24	12-22	22-25
12	12-22	10-20	22-25

10. Warranty policy

- Odo Kiteboarding warrants this product to be free of major defects in material or workmanship to the original purchaser for a period of six months from the original date of purchase. This warranty is subject to the following limitations:

- 1) The warranty is valid only if the product is being registered on the website www.odokiteboarding.com/warranty within 30 DAYS from the purchase date.
- 2) The warranty is valid only when the product is used for Kiteboarding on water and does not cover products used in rental or teaching operations.
- 3) Odo Kiteboarding 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 Odo Kiteboarding business partner in your country.
- 3) If a product is considered to be defective by Odo Kiteboarding, the warranty covers the repair or replacement of the defective product only.
- 4) Odo Kiteboarding 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 Odo Kiteboarding components, damage due to excessive sun exposure, damage caused by improper handling or storage, damage caused by use in the waves or shore break and damage caused by anything other than defects in material and workmanship.
- 5) This warranty is voided if any unauthorized repair, change or modification has been made to any part of the equipment.
- 6) The warranty for any repaired or replaced equipment is good from the date of the original purchase only.
- 7) The original purchase receipt must accompany all warranty claims.
- 8) The name of the business partner where the purchase has been made and date of purchase must be clear and readable.
- 9) There are no warranties that extend beyond the warranty specified herein.

Warranty Claims

All warranty claims must be processed and be issued a return authorization prior to shipping to Odo Kiteboarding. For starting any warranty claim please send an email message to warranty@odokiteboarding.com

