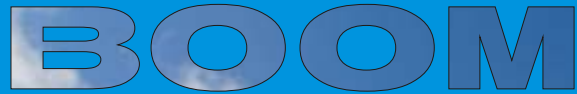


MANUAL

The logo for BOOM Kites, featuring the word "BOOM" in a bold, blue, sans-serif font with a white outline. The text is centered within a blue oval shape that has red curved borders on the left and right sides, resembling a stylized kite or a wing.

BOOM

WWW.BOOM-KITES.COM



SKITE

BY BOOM KITES



TABLE OF CONTENTS

WELCOME TO BOOM-KITES!	1
RELEASE OF LIABILITY AND ASSUMPTION OF RISK	2
SAFETY NOTES	2
WHAT'S IN THE KITE BAG?	4
FEATURES OF THE BOOM SKITE	5
SETTING UP YOUR BOOM SKITE	7
FLYING LINES	8
CONNECTING THE FLYING LINES	9
SPEED SYSTEM	10
LEASHLESS BAR SETUP	11
HOW TO USE THE SKITE	12
REBUILDING THE SAFETY QUICK RELEASE	15
EMERGENCY QUICK RELEASE SYSTEM	16
MAINTENANCE, CARE AND REPAIR	16
TROUBLESHOOTING	17
WIND FORCE AND WIND SPEED CONVERSION	18
TECHNICAL DATA	19
CONTACT BOOM - KITES	21





WELCOME TO BOOM-KITES!

Thank you for purchasing your new **BOOM SKITE**.

Kiteboarding is an exciting new sport that attracts people of all ages around the world. However, misuse or lack of knowledge can also make this great sport dangerous.

BOOM-KITES believes that safety is utterly important: the new **SKITE** comes with a variety of safety features. It is the result of more than 30 generations of prototypes that has helped us to develop a sophisticated and safe product.

The **BOOM SKITE** is a traction kite designed specifically for land kiteboarding. It features a modern construction with diagonal ribs, a stable profile, an extremely reduced bridle, a sophisticated speed system, and a leashless bar setup. With safety, stability and high performance the **BOOM SKITE** is a great kite for use on land, sand, and snow.

Please read this manual completely and carefully before using the kite. Also, follow the guidelines to make this sport safe for yourself and those around you.

WWW.BOOM-KITES.COM

Enjoy your new **BOOM SKITE** and good winds!

Richard Grauss

Hannes Papesh

e-mail: info@boom-kites.com

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RELEASE OF LIABILITY AND ASSUMPTION OF RISK

By unpacking the kite from its bag you agree that you have completely read and understood this manual, in particular the "release of liability and assumption of risk". You agree to comply with the terms of this manual and to ensure that everyone who will use this product is familiar with these notes and follows the instructions in this manual..

If you do not agree with these terms and conditions, do not use this product. Return this product before use and your purchase price will be refunded. You must read this manual before using this product.

The use of this product can be dangerous, improper use may result in serious injury or death to yourself and others. The user of this product is an adult who understands that the use of this product may expose the user to certain unavoidable risks, dangers and hazards - the user assumes these risks. The dangers can be minimized by reading and following the instructions in this manual and the use of common sense.

The user of this product understands that the seller or manufacturer is not responsible for any damage to property or injury caused by negligent operation of this product by the user, and the user releases the seller from all such liability. Except for the declarations/agreements held herein no verbal supplementary agreements are possible.

Read the following sections carefully before using your kite:

WARNING!

The use of this product can be dangerous, use this product with extreme caution. Misuse of this product can cause serious injury or death. Only use this product if you are in good physical and psychological health. NEVER use this product as aircraft. If you use this product you are responsible for the safety of yourself and others.

SAFETY NOTES

Be cautious with the kite lines!

Never touch the flying lines when flying the kite. The lines can cause serious injury or death.

Never use this kite with damaged lines: a line that breaks under load can cause serious injury or death.

Check the lines for knots before each use. Knots weaken the lines.

Keep away from tangled lines as long as the kite is not secured on the ground. An unsecured kite can suddenly take off and cause the lines to tighten, which can cause serious injury or death. Make certain that there are no bystanders between the bar and the kite.

Be very careful with your kite at zenith! Kites have been lifted uncontrollably by a gust when holding a kite at zenith. The resulting crash to the ground, trees, buildings or other obstacles have been fatal.

Although the SKITE has a very rugged design, it can be broken when misused. Neither the manufacturer nor the distributor is liable for any damage to or by the kite when misused.

Watch the weather!

Obtain detailed weather information before flying the kite.

○ Never use the kite in strong winds. - Never use the kite before, during or after a thunderstorm!

○ Never use this kite in unknown conditions or conditions beyond your abilities.

○ Do not use the kite near the water unless you are an experienced kiter and swimmer.

Choose a Safe Location!

Follow all local rules and regulations when using this product.

NEVER use this product near:

○ **UTILITY CABLES (power lines, telephone lines, etc.)**

○ **TREES**

○ **BUSHES**

○ **STREETS**

○ **CARS**

○ **AIRPORTS**

○ **AREAS FREQUENTED BY PEOPLE OR ANIMALS**

Use this product only in an open area with at least 100 m of space downwind and 100 m to either side. The kite can unexpectedly pull you downwind with great power.

Never use this kite above bystanders or animals.

Make certain that bystanders stay behind (upwind of) you. Never use this kite in crowded places. This kite in

sizes 4.5 to 7.5 is not recommended for use on the water - sizes 9.0 and 11.5 should only be used on water with the valves unrolled and only if you are already an experienced kiter on water and know about the necessary safety recommendations.

NEVER use this product alone, until you have gained sufficient experience.

Prior to using traction kites, practice kite flying using a small steerable kite. A 2 or 4 line stunt kites like the SKITE 2.0 is ideal.

It is strongly recommended to have kiteboarding lessons before you use this kite.

NEVER allow anybody without experience to use this product.

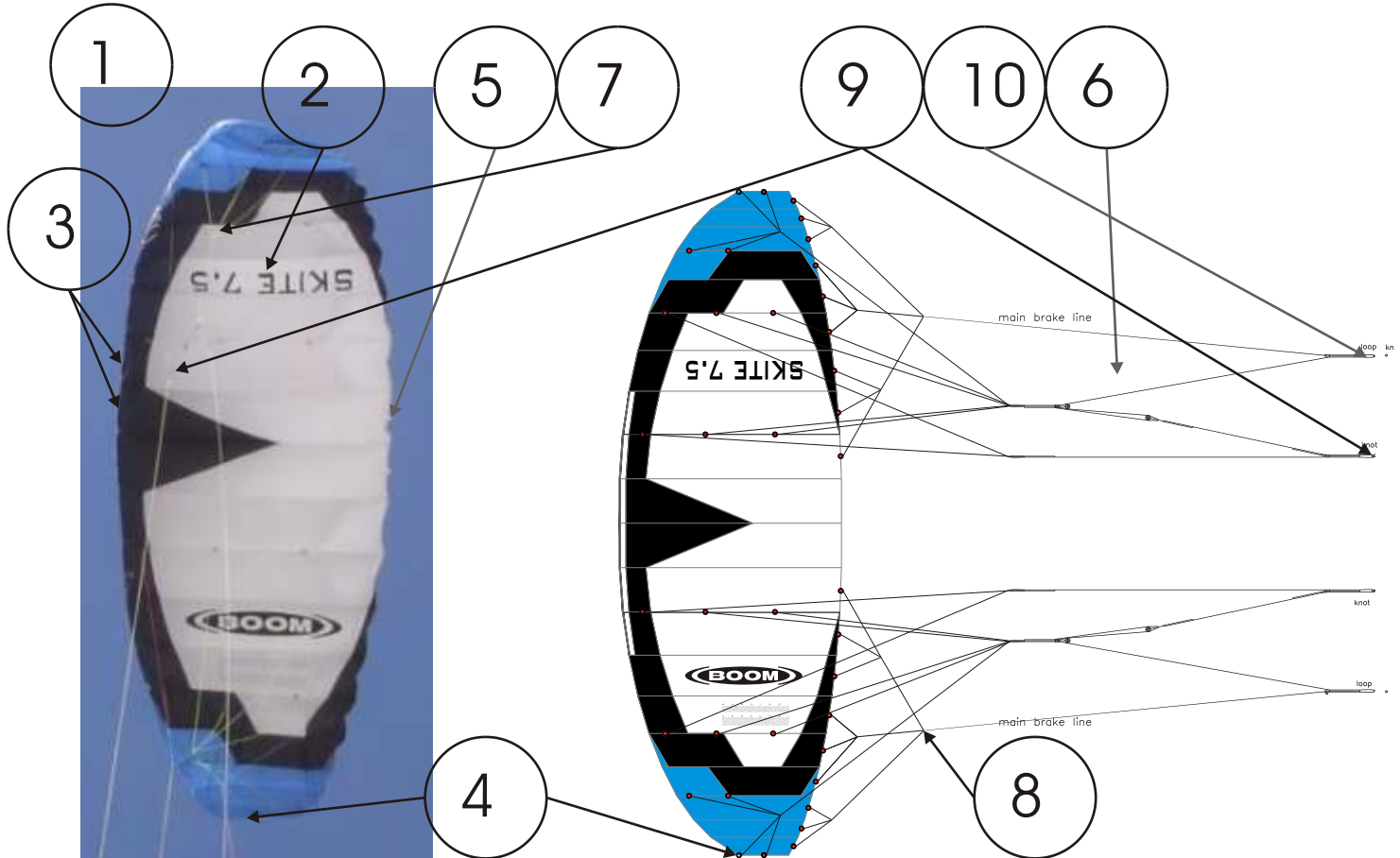
An unsecured kite can cause serious injury or death. Be familiar with the safety systems of this kite - read the instructions in this manual.

Never attach yourself or tie yourself permanently to the kite.

ALWAYS use a helmet, gloves, eye protection and shoes when using this product. When used on water you will additionally need a floating device.

Follow these guidelines in your own interest and for the protection of others!

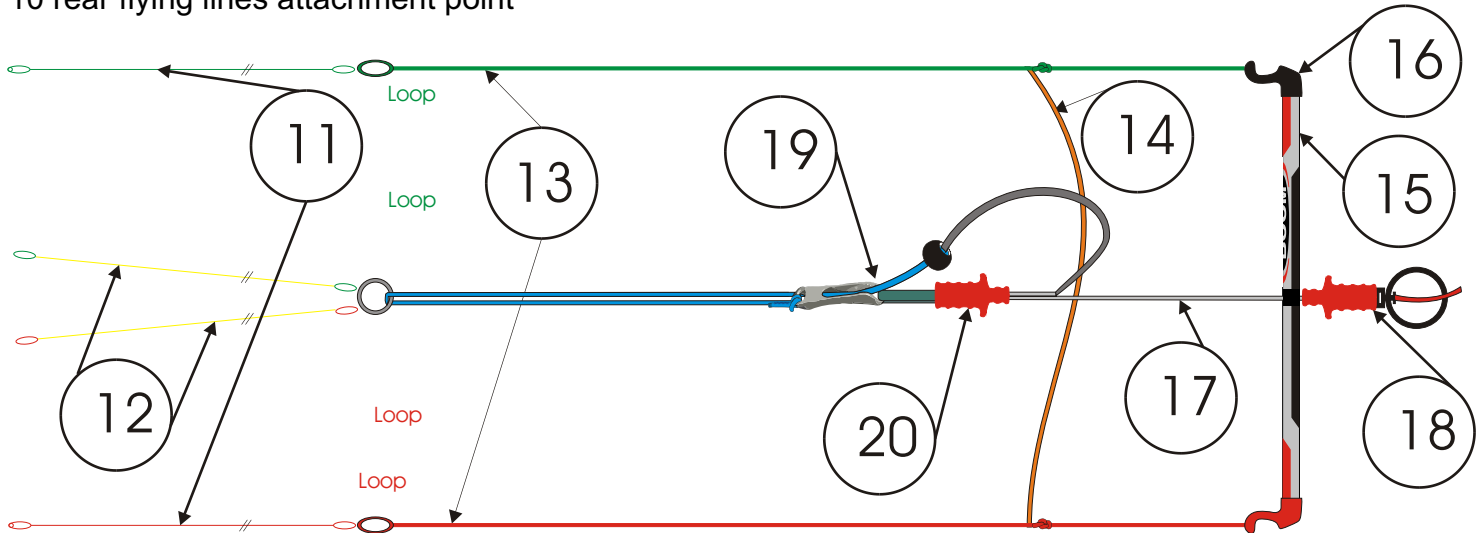
WHAT'S IN THE KITE BAG? ... The kite, a control bar with leashless safety and control system with a quick release depower loop, flying lines and this manual.



FEATURES OF THE BOOM SKITE

- 1 BOOM SKITE
- 2 name and size (flat area)
- 3 air inlet (with valves for the convertible)
- 4 wingtip with Velcro for cleaning access
- 5 Velcro pressure release valve
- 6 speed system
- 7 bridle lines
- 8 brake bridle lines
- 9 front flying lines attachment point
- 10 rear flying lines attachment point

- 11 rear flying lines
- 12 front flying lines
- 13 leader lines
- 14 cross line
- 15 control bar
- 16 winder
- 17 depower line
- 18 emergency quick release and chicken loop
- 19 trim adjuster
- 20 safety quick release



SPECIAL FEATURES OF THE BOOM SKITE

6

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Air inlets: The SKITE was specially designed as land, sand, snow kite. We put mesh on the air inlets and placed them in the middle of the leading edge, so the kite does not "eat" snow or sand.

CONVERTIBLE: in sizes 9.0 and 11.5 the SKITE comes with inflation valves that allow air to get into the kite but prevent air to escape the wing. As a special feature those valves can internally be rolled to the front to allow fast deflation when used on snow or land. Unrolled the valves allow the kite to be used on water. To un/roll the valves the kite can be opened at the Velcros at the trailing edge - easy access is possible. To un/roll the valves it takes about 15 minutes - the rolled valves can be fixed inside with small velcro straps.

Pressure Release Valve: To prevent the kite from exploding when landed nose first we placed a pressure release valve in the middle of the trailing edge - it even closes immediately after it opened. Of course we can not guarantee that the SKITE will withstand all abuse... so: land your kite at the edge of the wind window!

Speed System: The SKITE comes with a speed system that allows you to adjust its power to the wind force and to equalize gusts.

Leashless bar setup with two separate safety Systems:

Safety of the rider and bystanders has highest priority. The safety system of the SKITE offers the necessary features without limiting the handling. Please read later on in this manual for details concerning the safety system.

What else do you need?

Depending on what you plan to use your BOOM SKITE for you will also need:

- harness
- helmet
- gloves
- eye protection
- snowboard, all terrain board, ski, dirtsurfer, skates or equivalent
- protectors for your sport (e.g. back protection, wrist protectors, knee protectors, body armour, etc.)
- For use on water (sizes 9.0 and 11.5 Concertible you will also need an approved floating device.



SETTING UP YOUR BOOM SKITE

Before you take the kite out of the bag, read this manual. In particular read the chapter concerning the RELEASE OF LIABILITY AND ASSUMPTION OF RISK.

Your new SKITE is ready for use - nothing left to be mounted. To stay safe you should however check the lines. To prevent confusion the flying lines are coded:

left hand rear line: red line with sleeved endings marked red - at the kite's end there is a knot in the loop. right hand rear line: green (or blue) line with sleeved endings marked green - at the kite's end there is a knot in the loop.

left front flying line: white (or yellow) line with sleeved endings marked red.

right front flying line: white (or yellow) line with sleeved endings marked green.

Please familiarize yourself with all the parts and check them for proper function before first using the kite as described below.

Pick a day with very light winds of 7 knots or less and an open area of about 200x100 meters.

○ Take the kite out of the bag and spread it on the ground. Stand with your back to the wind and place it on its back with the trailing edge at your feet, the leading edge and the air inlets facing away from you and the bridle lines sitting on the belly of the kite.

○ Place sand, sand bags, snow or other weights on the trailing edge of the kite. Don't use rocks or other sharp abrasive objects for this as they could damage the cloth of your kite.

○ Unwind the lines from the bar while walking upwind. Lay down the bar finally and check the lines while walking back to the kite for tangles and knots. Make sure the lines are all parallel and show no knots.

○ While checking the lines walk back to the bar again - again make sure that the lines are lying parallel. - The bar is also color coded for left and right: left winder and left leader line are red, right winder is black and right leader line is green.

○ Before you launch the kite make sure the lines are parallel and untangled.

Please note: A knot can dramatically reduce the maximum breaking strength of the lines, so it might easily snap and cause you lose control of your kite endangering yourself and bystanders.

FLYING LINES

Your kite comes ready to fly - nothing left to be mount. You should however check the lines before every use and if you should discover a knot or a damage you should replace the line. You can get replacement lines at your local dealer or directly from boom-kites.com.

The lines are color coded and structured differently to avoid confusion. The kite end of the flying lines (front) end in loops which attach to knots on the kite. The brake lines end in knots which attach to loops on the kite. Both front flying lines come in the same color, where the left one has sleeved loop ends marked red, the right one has sleeved loop ends marked red. The left rear flying line is red and sleeved marked red, the right rear leader line is blue and sleeved marked green.

All sleeves are sewn carefully and securely. Simply have the same color sleeving on the same side of the kites and connect knots to loops (or loops to knots) and your lines will be properly attached.

We only use the best available quality for our lines and make continuous tests. Our suppliers know about these tests and they are also interested in improving the quality. The front lines are oversized because they bear the greater load when kiting. You can be sure that they are strong enough and with good care and setup it is very unlikely you will have to end a session because of a snapped line. You should however note:

- a single knot in the line will decrease its maximum load by about 50%. (Take particular care at the ends of the lines. They can easily flick up and knot themselves.)
- check the lines before every use for knots and tangles
- the most convenient way to store the lines is to keep them attached to the kite and the bar - you can easily check the lines while unwinding them from the bar.

After winding the bars on the bar fix them with a loop - please see later in this manual how to do that.

If you need to replace lines - here you can see how this is done:

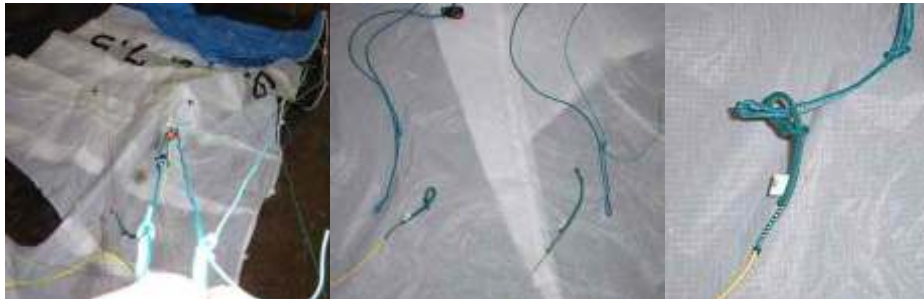


The rear flying lines are looped in the same way into the loops of the rear leader lines - this is how it looks when done:

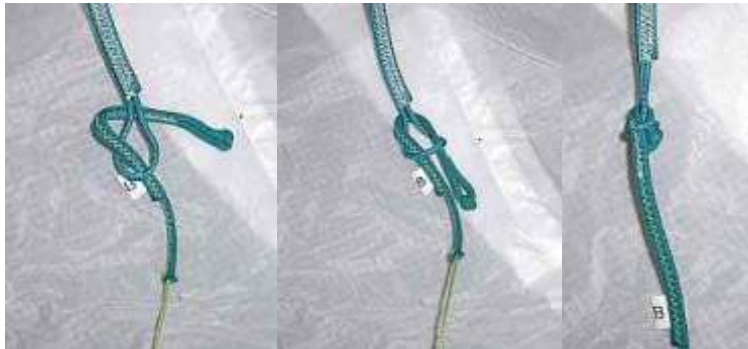


CONNECTING THE FLYING LINES

If you need to replace lines or remove a knot you might need to reconnect the lines to the kite. Please take care to have all lines parallel and remove all knots and tangles. The bridle of the kite should also be untangled.



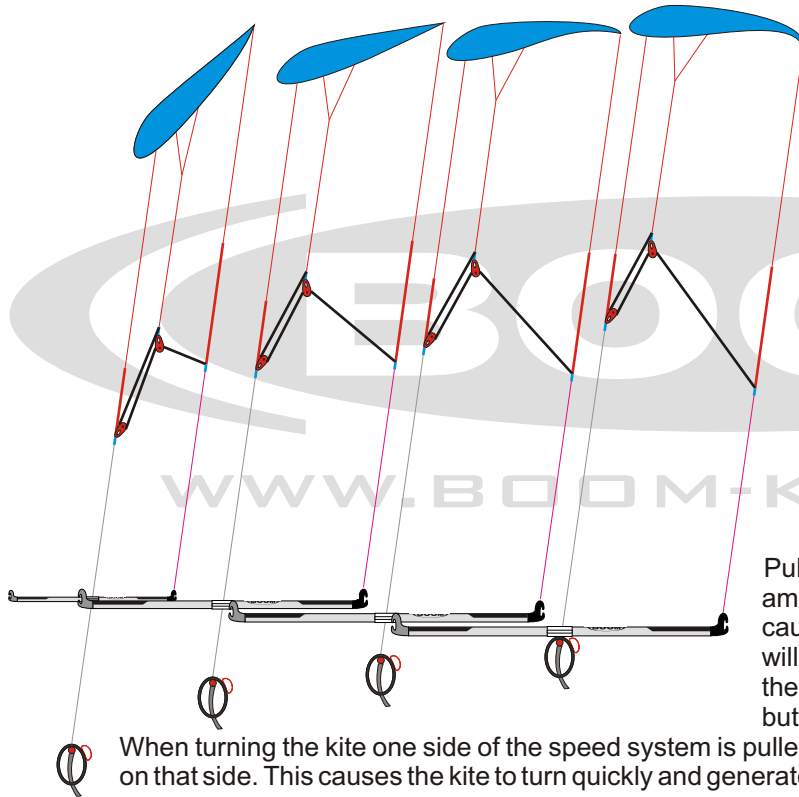
The part of the speed system that is connected directly to the brakes is attached to the rear flying lines.



Here you can see how the lines can be fixed to the bar.



BOOM KITES offer a speed system that changes the angle of attack of the complete wing while also adjusting the profile. This allows you to tune the kite for optimum range and performance while riding along. Below you can see how the profile and the angle of attack change depending on the position of the depower loop to the bar.



The front lines connect the middle of the bar to the front of the speed system. The rear lines run from the ends of the bar to the brake lines on each side and the rear of the speed system.

Pushing out the bar (pulling on the depower loop) lowers the leading edge of the kite and releases any brake line tension, making the profile flatter and faster. This causes the kite to fly faster and the kite is free to move to the edge of the wind window. This gives better upwind performance and reduces the power of the kite resulting in the ability to handle the kite in stronger winds. If the kite is flying too slowly or partially stalled then pushing out the bar will cause the kite to fly faster and generate more smooth power. In gusty or very light winds the kite can be less stable the leading edge pulled down. In very light winds the kite will be less prone to stalling.

Pulling in the bar raises the leading edge and can apply an amount of brake increase the curve of the profile. This causes the kite to fly more slowly and powerfully. The kite will sit deeper in the window and generate more power from the wind. It also makes the kite more stable in gusty winds but more prone to stalling in very light winds.

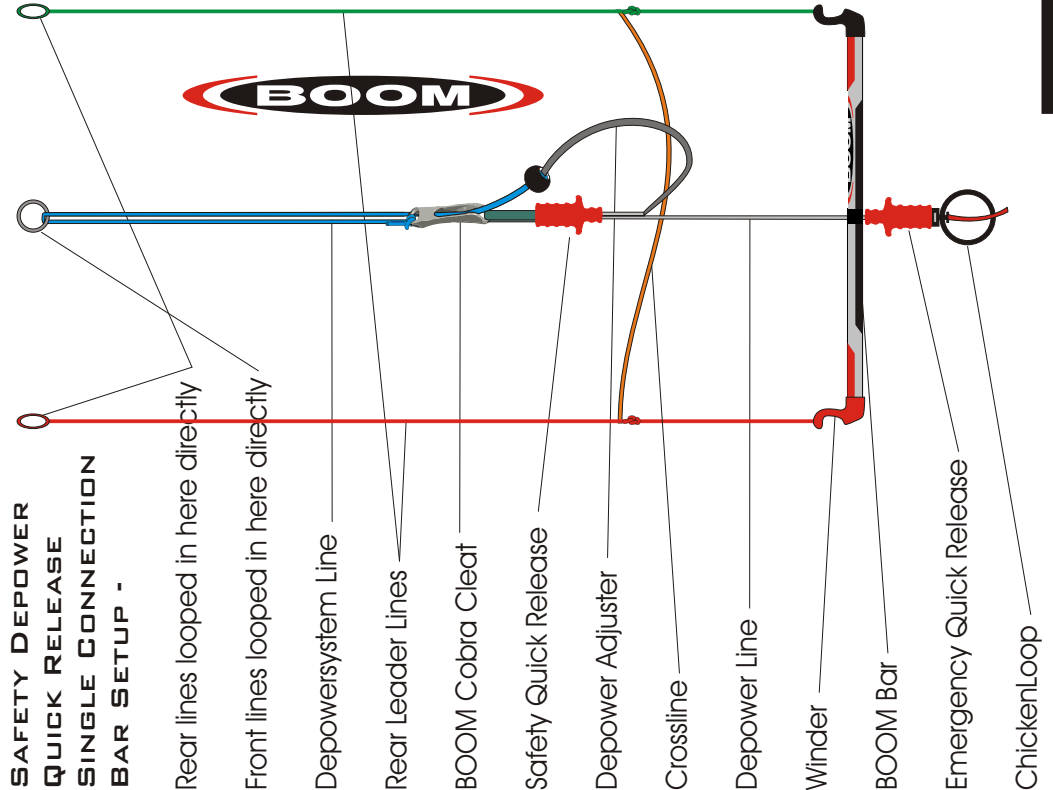
When turning the kite one side of the speed system is pulled down and the other side raised and the brakes applied on that side. This causes the kite to turn quickly and generate smooth power through the turn.

LEASHLESS BAR SETUP

The trim adjuster above the bar allows you to set an amount of depower in the kite to suit the conditions you are flying in and lock the line in that position.

Pulling in the trim line has exactly the same effect as pushing the bar out. You can adjust the kite so that you can ride with the bar in your preferred riding position. Pull in the trim adjuster to speed up the kite and ride with the bar closer to your body. Let the trim adjuster out to ride with the kite slower and deeper in the window and the bar further from your body.

When riding you will learn to adjust the position of the bar and the trim adjuster to give the best possible performance in the conditions you ride in. Push out the bar to ride in stronger conditions. Pull in the bar to gain more power. Move the bar to soak up a gust. Push out the bar to gain more airspeed in marginal light wind conditions.



HOW TO USE THE SKITE

12

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The **BOOM SKITE** is a traction kite that can produce a lot of power both intentionally as well as unintentionally. It is therefore highly recommended that you learn to fly a small, steerable kite before your first attempt at using the SKITE. A two-line stunt kite or small power kite (like the SKITE 2.0) is ideal. Take a kiteboarding course or have an experienced kiter give you an introduction. This is a great way to learn the basics before venturing out on your own. Don't make your first attempts. Most kites love to kite as much as you do. They will be happy to give you advice or assistance. If you are unsure then ask an experienced kiter. It is in their interest for you to kite safely. Nobody wants their kiting area banned! Remember, the public has every right to peaceful use of open space. Your rights as a kiter come second to all other users of public space.

WARNING: Do not use the BOOM SKITE for the first time in strong winds. Choose wind below the suggested wind range of your kite, usually its best to practice in steady winds between 2-4 m/s (5-10 knots).

Look for a location with plenty of open space. For safety reasons an open area without other people, animals and obstacles of at least 100m downwind, to the left and right is necessary. For your first launch the wind speed should be around half the suggested wind range of your kite. Be very careful with smaller kites. Even in lighter winds their greater speed can cause things to go wrong very quickly. Always err on the side of caution.

Preparing to Fly:

Take your kite out of the bag and place it on the ground with the trailing edge towards the wind and the upper surface down (the bridle lines are on top). Place weights on the trailing edge. Use sand, sand bags, snow or other weights so the kite doesn't blow away. Do not use rocks as they can damage the cloth of your kite.

Pre-flight Checks: Make it a habit to do the following steps every time you fly your kite. With practice they are very easy and will save you from wasting a flight or injuring yourself or a bystander.

Check the bridle lines and line attachment points, check for tangles, twists or lines passing around the canopy. Unwind the lines from the bar while walking upwind. When the lines are completely unwound check for twists, knots and tangles. You can remove twists by spinning your bar in the appropriate direction. Ensure the lines are properly attached as described in the Setup section of this manual. When standing at the bar you should be able to clearly see that the lines run from the bar to the correct attachment points (left and right and right brakes and speed system). Do not attempt to launch unless you are absolutely sure your lines are correctly attached and not tangled. When all lines run parallel from the bar to the kite, you are ready to attach the depower loop to your harness - secure it using the tube.

Check that the quick release systems on the bar and depower loop are attached and operating correctly. Be familiar with the quick releases. You must be sure that they are properly secured and that they will release properly. Having the safety system release prematurely will at best ruin your kiting session, and at worst risk your life and those of people around you. On the other hand having a system not release when you need it can be life threatening. Check the safety releases!

Check for bystanders, animals, rocks or building, other kilters or any hazards in risk areas (down wind or between you and the kiting area). People love kites and think they are harmless toys. They will stand in the worst possible place to watch. It is your responsibility to ensure that you do not cause them harm. If there are a lot of people in the way then pack up your kite for another time or place. If there are only few people then direct them to a safer position. Most people appreciate the thought.

Launching:

Check for bystanders again! Carefully tension the lines such that the leading edge of the BOOM SKITE comes up slightly and starts filling with air. You can stop the kite launching prematurely by keeping tension on the brake lines by pulling in the bar or grabbing the brake leaders.

Push away the bar and make a step back and the kite will launch. In light winds you may pull down the depower line above the bar to accelerate the kite and make it inflate and launch faster.

When not completely filled with air the kite will fly quite slowly and generate relatively little power. However it will steer perfectly well. This will allow you to launch your kite and control it in stronger conditions.

If you experience any difficulty in launching or steering the kite then you should land immediately and recheck the setup. Do not keep flying the kite and hope it will sort itself out. - Also be very careful when launching a fully inflated kite. It can fly very fast and generate a lot of power!

In stronger conditions turn the kite and steer it to the side of the window. It will become more powerful as it inflates completely but will remain controllable near the edge of the window.

In lighter conditions you may need to pump the bar or the depower line by hand a few times to improve air speed and inflation.

A few turns from side to side will also speed up inflation. In very light conditions you may want to take a few steps backward to increase air speed. It may also be easier to fly the kite straight to zenith in very light conditions. Be very careful with your kite at zenith! Kilters have been lifted uncontrollably by a gust when holding a kite at zenith - there have even been fatal accidents! Direct the kite to the edge of the wind window or to zenith. If the kite pulls too much push the bar away to depower the kite.

ATTENTION: If the kite still pulls too much immediately trigger the safety quick release above the bar - the kite will stall and go down safely. Be familiar with the safety devices, they may save your life, a bystander or at least your kite.

Flying:

Try to fly some turns - pull the left hand side of the bar towards you to make the kite turn left, pull the right hand side of the bar to make the kite turn right. You will feel the power of the SKITE as soon as the kite flies from the edge of the wind window into the power zone. The kite pulls less above in zenith or at the edge of the wind window (to the side).

Landing

For landing your kite fly it to the side and then down to the ground. Grab the rear leader lines above the bar or the small handles at the bar ends and pull them to you - the kite will stall and land safely. A few steps upwind will make the kite stable on the ground and prevent it from rolling downwind.

The **best way to land** the kite, however, is to ask for **assistance**. Make sure that your helper knows exactly what to do. An experienced kite flier is best. The person helping you should stand **BEHIND** the kite and grab the fabric of the wingtip pointing to the ground. Then walk in your direction a few steps and wait holding the wingtip. Your helper must never grab the kite by the lines or the bridles. Powered kite lines can cause injury or loss of life! Have the helper hold the tip of the kite until you can run over and make it safe.

Once the kite is held safely you can then run over and secure it by putting plenty of weight on the trailing edge or the tip (sand, snow...). You should keep hold of the bar so that you can regain control of the kite if the helper accidentally releases it before you have made the kite safe. Once the kite is made safe you can wind the lines onto the bar.

If you have self-landed you can make your way to the kite by walking hand-over-hand to the kite. You can also do this with a single brake line although the kite can flap around a bit in stronger winds. If the kite flaps or moves then try to relieve tension on the lines by walking towards the kite so that it settles on the ground.

When you reach your kite place plenty of weight on the tip or trailing edge and make the kite safe. You can then wind the lines around the bar and pack up your **SKITE**.

SAFETY Quick Release System - BOOM SKITE

When in doubt, its better to use the safety - it may protect your life, the bystanders or at minimum the kite itself. Get familiar with it and practice using it as soon as you start to fly the SKITE.

The comes with a three step safety system:

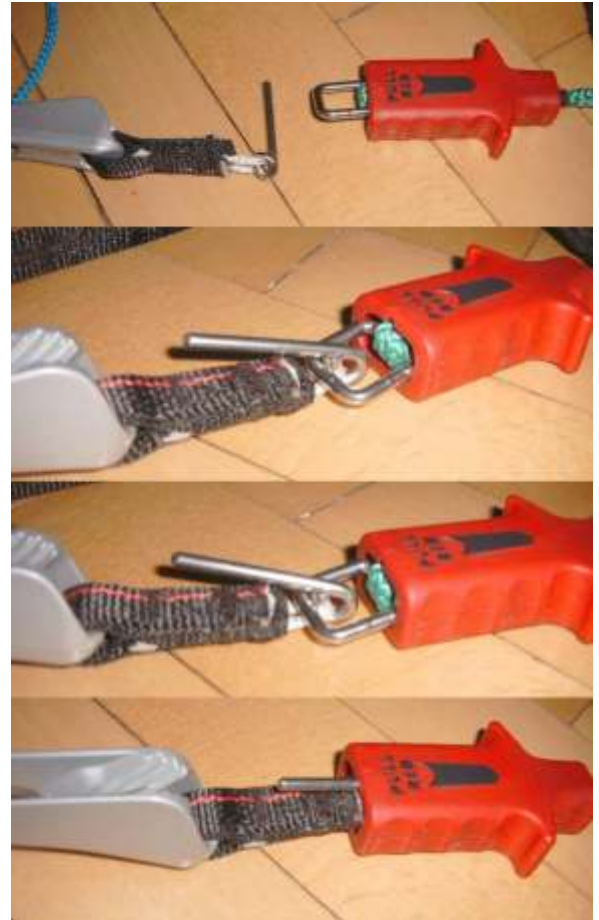
a) If you want to safely land the kite pull down the crossline (that connects the rear leader lines): the kite will land in a defined position without pulling and it will stay down safely as long as you hold that line.

b) When in danger, trigger the safety quick release system above the control bar at the end of the depower line: pull down the red handle under the cleat to land the kite - it will stay down safely until the system is rebuilt and the kite is relaunched again. While holding the crossline you can rebuild the safety. Be careful not to allow the kite to relaunch until you are ready.

c) If you trigger the emergency quick release system (at the chicken loop), you lose the connection to your kite - make sure to hold the crossline, otherwise your kite will be blown away and become a danger to others. To trigger this emergency quick release pull the red handle above the chicken loop away from you.

The leashless system allows you to spin the bar around the depower line - using this feature you can easily un-spin the flying lines after kite loops. This system has no tangling lines that might confuse you when in danger.

Get familiar with the safety system! Practice rebuilding the quick release connections and follow the explanations and photos in this manual.



EMERGENCY Quick Release System - BOOM SKITE

16

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Here you can see how the emergency quick release system is rebuilt after it was triggered.

TAKE CARE: When this system is triggered you will lose any connection to your kite and it can become a danger to others.

Get familiar with the quick release systems - practise rebuilding and triggering to be prepared for emergency situations.

MAINTENANCE, CARE AND REPAIR

With good care and maintenance you will be able to enjoy the performance of your BOOM SKITE for several years.

Storage:

Store your kite dry, protected from sun light and away from chemicals or heaters.

Cleaning:

To clean your BOOM SKITE use a sponge and clean, fresh water only. Do not use any solvents.

Repair:

Ask your dealer or importer about repair shops.

TROUBLESHOOTING

Your BOOM SKITE is made to the highest standards. Every item is quality checked during manufacture. It comes to you ready to fly. However, you may damage the kite or change the settings and the kite may not fly as well as it could. For most flying problems go through all the setup checks previously described in this manual. Twists and tangles in bridles are the most common cause of flight problems.

Check that you are flying your kite correctly. Pushing out the bar will make the kite fly faster and avoid stalls. This is also an indication that the line lengths or leader lines have been changed. In very, very light conditions there will be insufficient wind to keep the kite airborne when low and very far forward at the side of the window. Keep the kite moving and powered.

Check the lengths of your flying lines and brake lines. Wind your lines out as for flight. Either disconnect the kite or make sure it cannot be caught by the wind. Secure the bar to a solid object (this is why you make your kite safe before securing the bar). Note that you must tie the bar to an object, not the chicken loop. Set the bar to full power (trimmer released and chicken loop against the bar). Go to the end of the lines and pull all of the lines tight. The ends of the lines should meet at the same point. A variation of 2-3 centimetres is not significant. You can adjust your lines by moving the knots on the bar leaders.

Check for damage to the skin and internal structure of the kite. The BOOM SKITE has pressure release valves to minimise kite damage. However, if you crash your kite heavily then it is possible to cause damage. Look for splits to seams or torn internal ribs.



WINDFORCE AND WIND SPEED CONVERSION

bft	m/s	mph	knt	Wind description	Sea Conditions ¹
0	0-0.2	<0.6	<1	Calm	Smooth, like a mirror.
1	0.3-1.5	0.7-3	1-3	Light air	Small ripples like fish scales.
2	1.6-3.3	3.5-7.5	4-6	Light breeze	Short, small pronounced wavelets with no crests.
3	3.4-5.4	7.5-12	7-10	Gentle breeze	Large wavelets with some crests.
4	5.5-7.9	12-18	11-16	Moderate breeze	Increasingly longer small waves, some with white caps.
5	8.0-10.7	18-24	17-21	Fresh breeze	Moderate lengthening waves, with many white caps and some spray.
6	10.8-13.8	24-31	22-27	Strong Breeze	Large waves, extensive white caps, some spray.
7	13.9-17.1	31-38	28-33	Near gale	Heaps of waves, with some breakers whose foam is blown downwind in streaks.
8	17.2-20.7	38-46	34-40	Gale	Moderately high waves of increasing length, and edges of crests breaking into spindrift (heavy spray). Foam is blown downwind in well marked streaks.
9	20.8-24.4	46-55	41-47	Strong Gale	High waves with dense foam streaks and some crests rolling over. Spray reduces visibility.
10	24.5-28.4	55-64	48-55	Storm	Very high waves with long, overhanging crests. The sea looks white, visibility is greatly reduced, and waves tumble with force.
11	28.5-32.6	64-73	56-63	Violent Storm	Exceptionally high waves that may obscure medium-size ships. All wave edges are blown into froth, and the sea is covered with patches of foam.
12	32.7-36.9	73-83	64-71	Hurricane	The air is filled with foam and spray, and the sea is completely white.

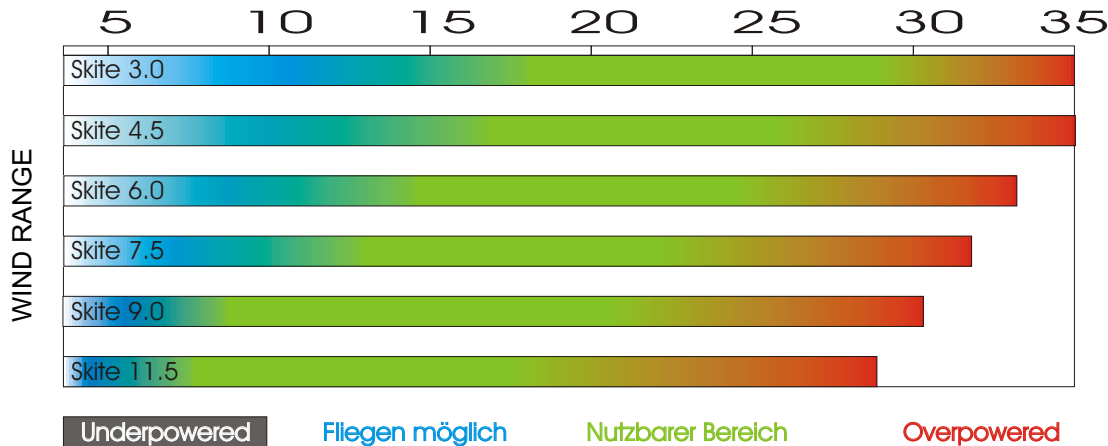


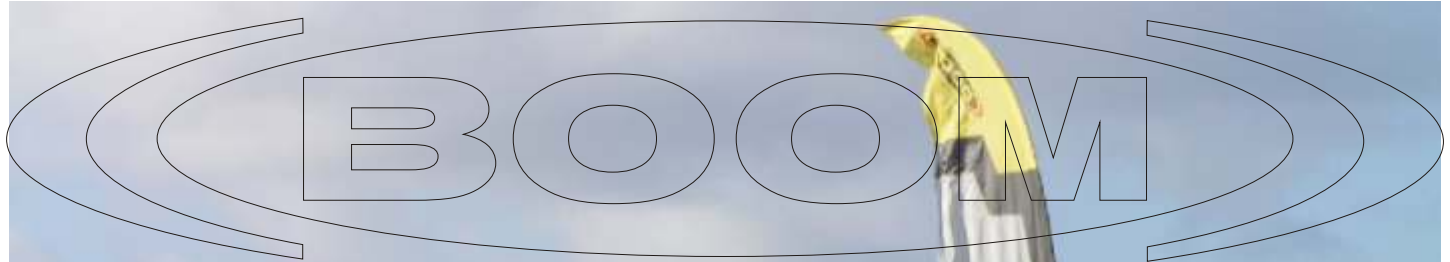
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TECHNICAL DATA

MODELL	BOOM SKITE						
TYPE		3	4.5	6	7.5	9	11.5
NO. OF CELLS				18			
PROJ. WINGSPAN	m	2.93	3.56	4.11	4.44	4.86	5.4
PROJ. AREA	m ²	2.8	4.12	5.49	6.7	8.0	10.11
PROJ. ASPECT RATIO		3.08	3.08	3.08	2.95	2.95	2.88
FLAT WINGSPAN	m	3.36	4.08	4.71	5.27	5.76	6.52
FLAT AREA	m ²	3.05	4.5	6.0	7.49	8.96	11.48
FLAT ASPECTRATIO		3.71	3.71	3.71	3.71	3.71	3.71
MAX. PROFIL DEPTH	m	1.12	1.37	1.58	1.76	1.93	2.18
MIN. PROFILE DEPTH	m	0.26	0.31	0.36	0.40	0.44	0.49
REC. LINE LENGTH	m	20	20	25	25	27	30





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