

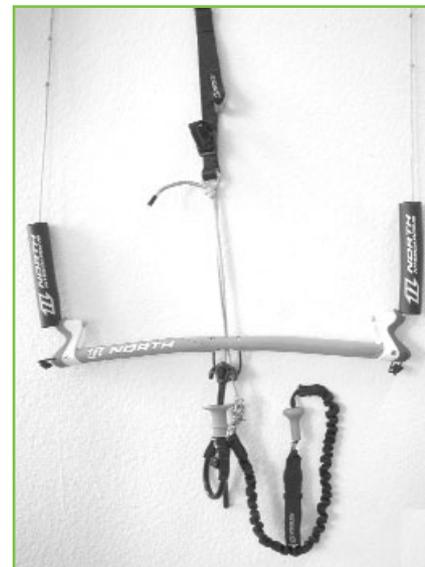
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## Warning: Kiteboarding is Dangerous

- ° Always use extreme caution when using this product.
- ° Only use this product if you are in good physical health.
- ° Never act in a careless manner when using this product
- ° You are responsible for your own safety and the safety of others when using this product.



# 1. RELEASE OF LIABILITY

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By assembling and/or using this North Kite Product, you agree that you have read and understood the entire North Kiteboarding Product Owner's Manual, including all instructions and warnings contained in that Manual, prior to using the North Kiteboarding Product in any way. You additionally agree that you will ensure any additional or subsequent user of your North Kiteboarding Product will read and understand the entire North Kiteboarding Product Owner's Manual, including all instructions and warnings contained in that Manual, prior to allowing that person to use your North Kiteboarding Product.

**ASSUMPTION OF RISK:** Use of the North Kiteboarding Product and any of its components involve certain inherent risks, dangers, and hazards which can result in serious personal injury and death to both the user and to nonuser third parties. In using the North 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 equipment. The risks inherent in this sport can be greatly reduced by abiding by the warning guidelines listed in this owner manual and by using common sense.

## **RELEASE AND WAIVER OF CLAIMS:**

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

### **TO WAIVE ANY AND ALL CLAIMS**

that you have or may in the future have against Boards & More and all related parties resulting from use of the North Kiteboarding Product and any of its components.

**TO RELEASE** Boards & More and all related parties from any and all liability for any loss, damage, injury or expense that you or any users of your North Kiteboarding Product may suffer, or that your next of kin may suffer, as a result of the use of the North Kiteboarding Product, due to any cause whatsoever, including negligence or breach of contract on the part of Boards & More and all related parties in the design or manufacture of the North 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. Boards & More-related parties have not made and expressly deny any oral or written representations

other than what is set forth herein and the North Kite Product User's Manual.



## 2. SAFETY

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As active kites and wind fanatics we are convinced that kiteboarding is one of the most fascinating adventures in the world. Kiting is a sport that takes place within the interplay of the elements. This sport involves great risks and can possibly be very dangerous. Therefore it is of utmost importance to assess yourself and your kiteboarding abilities.

We strongly recommend the following:

- If you are not yet able to kite or if you feel insecure, do attend a licensed kiteboarding school to learn the basics of this fantastic sport.
- Get familiar with the safety precautions, which are indispensable for safe kiteboarding.
- Kiteboarding creates a heavy strain on your body. You should only go kiteboarding if you are in good physical condition and suffer from no medical conditions that may prevent you from kiting.
- No risk, no fun ... but: be careful when practicing this sport. Carefulness always pays, as you should be able to enjoy the wind even at a "mature" age.

### Dangers when Kiteboarding

When kiting, the extreme powers of the elements may come into play. In rare cases, the kite or its lines may cause dangerous situations:

- The canopy can pull you into the air giving you involuntary "air time". When landing, there is a high risk of getting injured.
- When the kite gets out of control, you can collide with obstacles and objects on the water.
- In case of improper use, the canopy or its lines may get caught up with other people. Due to the enormous powers involved, this may lead to life-threatening situations.
- People who get caught in the lines of the kite may suffer from severe gashes or burns.
- Canopies coming down may injure onlookers.

### Risks Caused by the Kiteboard:

- If you bang your head against the kiteboard, there is a risk of severe head injuries.
- Feet, ankles and legs may also be injured by the board
- Never use this kite as a flying object

This list of dangers cannot be complete. The basic rules for kiteboarding correspond to those of common sense and are to be applied to all (outdoor) sports:

- (1) Never put at risk the safety of onlookers in your surroundings.
- (2) Be aware of the risk you are taking and restrict this to a reasonable

residual risk (according to your skills).

### Threats to Onlookers

It is within your responsibility to check whether uninvolved people or other athletes may be endangered or injured by your actions or your gear. Spots where onlookers may be injured are taboo for responsible-minded kites!

- Only fly your canopy 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 obstructions.
- Use a kite leash that allows you to keep the kite under control.
- Avoid flying the kite in the vicinity of other water users such as swimmers, kayakers, (wind-)surfers and water-skiers as well as near boats.
- If not in use, inflated canopies must be secured with sand or heavy objects. A canopy filled with air can fly away at any time, thus it may injure people and in extreme cases even kill them.



### Safety of the Kiteboarder

- ° Fly this kite only over unobstructed water. Never on land.
- ° Fly this kite only if you are a strong swimmer and are wearing a Coast Guard-approved PFD.
- ° Go no further from land than you're able to swim back in case of an emergency.
- ° Use only bars with a safety system that you can open in emergency situations.
- ° Use a quick-release kite leash with which you can unhook your body from the gear in case of an unforeseeable emergency.
- ° Avoid power lines, telephone poles, airports, streets, buildings and trees.
- ° If you 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.

### Threats through Kite Lines

- ° Never touch the kite lines when the kite is under wind load as these lines can become dangerously sharp when under tension.
- ° Never use kite lines with notches, cuts etc.. They must be changed.
- ° 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 canopy, unless the kite has been secured to the

ground. An unsecured kite can re-launch unexpectedly, putting the lines dangerously under tension.  
Never tie lines around your arms or other body parts!

### Weather-related Dangers

- ° Avoid offshore wind.
- ° Be careful with onshore wind.
- ° Get information on tidal and sea current conditions at your kiting spot!
- ° Get information from both the weather report and the locals on prevailing weather conditions.
- ° Never use the kite with wind forces so strong that you are unable to maintain precise control.

- ° Do not use the kite when wind conditions are likely to change dramatically.
- ° Never use this kite when thunderstorms are nearby or when such storms have a good chance of developing (check the weather report!).
- ° Leave the water immediately when a storm is approaching. You are in acute life-threatening danger since you may be struck by lightning!

BFT	M/S	KM/H	MPH	Knots	Designation
0	0 – 0,2	0 – 0,8	0 – 0,6	0 – 0,5	Calm
1	0,3 – 1,5	0,9 – 5,5	0,7 – 3,5	0,6 – 3,0	Light Air
2	1,6 – 3,3	5,6 – 12,1	3,6 – 7,5	3,1 – 6,5	Light Breeze
3	3,4 – 5,4	12,2 – 19,6	7,6 – 12,2	6,6 – 10,5	Gentle Breeze
4	5,5 – 7,9	19,7 – 28,5	12,3 – 17,8	10,6 – 15,5	Moderate Breeze
5	8,0 – 10,7	28,6 – 38,8	17,9 – 24,0	15,6 – 20,9	Fresh Breeze
6	10,8 – 13,8	38,9 – 49,8	24,1 – 31,0	21,0 – 26,9	Strong Breeze
7	13,9 – 17,1	49,9 – 61,7	31,1 – 38,3	27,0 – 33,3	Near Gale
8	17,2 – 20,7	61,8 – 74,6	38,4 – 46,4	33,4 – 40,3	Gale
9	20,8 – 24,4	74,7 – 88,0	46,5 – 54,7	40,4 – 47,5	Strong Gale
10	24,5 – 28,4	88,1 – 102,0	54,8 – 63,6	47,6 – 55,3	Storm
11	28,5 – 32,6	102,1 – 117,0	63,7 – 73,0	55,4 – 63,4	Violent Storm
12	32,7 +	117,1 +	73,1 +	63,5 +	Hurricane



# 3. ATTACHING THE LINES

Mixing up the steering and flying lines is the most common mistake made when rigging the kite. It is for this reason that North Kiteboarding developed the "Kook-proof Attachment". This system only functions if the original North Kiteboarding 5th Element bar is used together with a North kite. Mixing up the lines becomes impossible; however, make sure that the flying lines are attached to the front of the kite.



Make a lark's head knot with the loop at the end of the line and/or the canopy. Slip the lark's head knot over the knotted end at the corner of the kite or the lines. Pull the lark's head knot tight at the end. Then tie the blue center line to the string that is attached to the center of the front tube in the same way. Kites without a center line cannot be used in connection with the 5th Element bar.

Adjusting the line length has an impact on the performance of the kite. See chapter "Tuning and Response Rate".  
Despite our recommendation that all lines

be the same distance from the control bar, this however does not mean that, even if the lines are the same length, every kite is perfectly tuned for all kiteboarders and wind conditions. Every kiteboarder, every kite and all spot conditions differ from each other, thus the recommendations can only be guidelines.

The kiteboarder must adjust the length of the lines before every flight, but also during the flight, using the "North Flight Control System" (or comparable systems). E.g. Sit-harnesses require a longer basic depower setting than waist-harnesses.



## 4. KITE TUNING

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### Response Rate

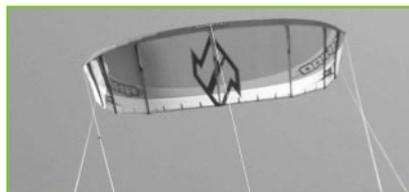
The speed at which a kite responds to control input - its response rate - varies with the amount of tension on the kite lines. The greater the tension, the quicker the response will be. The tension on the lines varies in turn with the size and skill of the boarder. For example, a kite used by a lightweight boarder in light wind will have low line tension and will respond relatively slowly, while the same kite used by a heavyweight boarder in strong wind will have high line tension and will turn quickly. This means that the construction and the design of the kite control the response rate only to some extent and that there is no canopy that suits boarders of all different weights and skill levels. The response rate of the canopy can also be varied by the two different width adjustments of the bar. With a wide bar, the canopy reacts and turns faster than with a narrow bar adjustment. North Kiteboarding recommends flying the sizes 18 m<sup>2</sup> and 20 m<sup>2</sup> using the wide adjustment and using the smaller Rhinos (sizes 6 m<sup>2</sup> to 16 m<sup>2</sup>) with the narrower adjustment.



The kite is equipped with several attachment points and can thus be tuned in terms of its turning ability and depowering qualities. The hare symbol stands for a fast turning canopy whereas the tortoise indicates a slower turning of the kite. The designation "Max." and/or "Min. Power" characterize the depowering qualities of the canopy which can be trimmed by means of the front attachment points. Photos und Icons für den Kite depower und turningspeed



In order to trim the kite quickly, please turn to the illustrations below. These show an optimally trimmed kite and over-taut adjustment.



# 5. THE SYSTEM

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## Rigging the Bar

When you unpack your new 5th Element Scepter Bar you will find the bar rigged up with lines and ready to fly. By changing the length of the loop for the Micro Hook you can individually adjust the bar to suit your preferences (seat or waist harness). Most kites do not find it necessary to change the original setup.



## The New System

The new One 4 All-System allows the kiter to use only one bar for all kites.

The 5th Element Bar System consists of the following main components:

1. adjustable power buckle
2. QuickRelease chicken loop
3. MicroHook with safety leash
4. individual adjustment
5. One4All system



The **Low Friction Center Hole** reduces friction of the depower line to a minimum and guarantees effortless steering and depowering. A series of parallel notches underneath the bar further enhances this effect. The central location of the hole makes it easier to reposition the bar after rotation jumps.

The **Soft Winders** feature rubber coated bar ends that protect the lines and ensure safe handling. A separate string of rubber prevents accidental unwinding.

The **Leash Safety System** of the 5th Element Bar can be attached as usual to the harness with a metal ring or to the harness hook itself. The leash is connected to the MikroHook with a little loop at the safety frontline. This safety frontline goes through the bar, just like the depower line, and then all the way up to the center of the kite. If you let go of the bar it shoots up along the center safety line and completely depowers the kite. A stopper prevents the bar from moving further than approximately five meters.

## 6. USING THE BAR FEATURES

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### Using the Power Adjust Buckle

The Power Adjust Buckle allows you to set the kite's basic power. Slack the front lines for light wind conditions and tighten them for strong wind.



By pulling the webbing (black tab, red tube) you shorten the power-lines and reduce the kite's power. To increase the kite's power, pull the black loop. This lifts the buckle, releases webbing and thus lengthens the front lines.

Note: When a kite is set for maximum power, it's shape will appear wide in front and narrow at the back. Caution: the kite cannot fly if it is overtrimmed. When the kite is set for minimum power, there will be little tension on the back lines.

### Using the Quick Release Trim Loop

Many kites prefer to remain permanently hooked into the trim loop. North's new Quick Release Trim Loop allows you to use this kind of setup safely and without having to buy a special hook. Before launching the kite and after checking your line setup, hook the loop into the harness and secure it with the rubber tube. The rubber tube is placed like a wedge against the hook and keeps the loop from slipping out. To release the trim loop, simply push the neck of the Quick Release forward and the loop will open.



To reassemble the loop, pull the eye on the loop's lower part over the pin. **Take care to put the pin parallel to the ramp into the neck of the Quickrelease.** Then push the neck down to secure the Quick Release mechanism.



### Using the Micro Hook

The Micro Hook offers a new opportunity to ride with the North Scepter Bar permanently hooked in. This reduces arm fatigue and transfers more power to the harness. To connect and disconnect, pull the bar towards you and twist it. The Fix Loop is mounted at an angle that makes it impossible to accidentally catch the loop. To release the bar, briefly pull it towards you and then let it glide forward. In emergencies, simply pull the Quick Release at the trim loop to release the bar and depower the kite.



### Using the Individual Adjustments

The Individual Adjustment System allows you to fine tune your kite according to your height, arm length, type of harness or other individual preferences. The depower line is tied to the Power Buckle with a bowline. Riders with short arms can tie the line a little shorter. In order to preserve the kite's overall flying characteristics, the backlines should then also be tied one or to knots closer to the bar. Riders who use a seat harness or have very long arms often choose to tie the depower line a little longer. However, the standard setup usually works well for most riders.

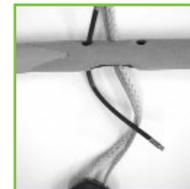
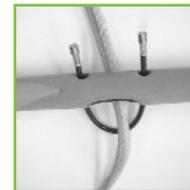
### Using the One 4 ALL Bar Systems

To change the bar width, push the neoprene floater up. Now you can open the lark's head and push the line through the bar to adjust its width. Put the knot back in place, push the floater down and you're ready to go!



### Replacing the Micro Loop

To replace the Micro Loop, open the two headless screws with an allen key. Push the loop up and unscrew the top part of the cable on one side. Now you can push the cable (loop) through the bar and insert the longer loop. To reassemble the bar, simply follow these steps in reverse order.



# 7. TIPS UND TRICKS FOR THE 5th ELEMENT BAR

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## Safety Functions With the 5th Element Bar

Whether you ride unhooked, spin or try a water relaunch for the first time, the 5th Element bar allows you to perform all maneuvers, even the latest moves, with full safety functions. As soon as you pull the QuickRelease, the bar slips up along the safety line. The kite is then completely depowered and comes down without twisting the lines.

## Waterstart with the 5th Element

When the kite lies on the water after you let go of the bar or after a crash, the 5th Element bar permits you to relaunch your kite without swimming. Simply pull on one side of the bar and slowly release the center line. The harder you pull the bar, the faster the kite will relaunch. Don't forget that this implies that the kite will launch closer to the center of the wind window and get more power the harder you pull. With a moderate pull the kite will move about the edge of the wind window and you can relaunch it there as usual without power.

**CAUTION: MAKE SURE THAT YOU ARE NOT CAUGHT IN ANY LINES BEFORE RELAUNCHING YOUR KITE!**

<b>Rhino 04</b>	Size	6	8	10	12	14	16	18	20
	<b>Knot No</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>
	Length cm	216	251	281	312	333	363	386	408

<b>Vegas 04</b>	Size	6	8	10	12	14	16	18
	<b>Knot No</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
	Length cm	206	227	255	281	305	341	356

<b>Toro 04</b>	Size	8	11	14	17
	<b>Knot No</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
	Length cm	237	257	311	324



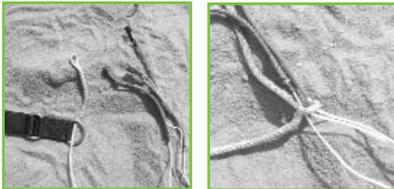
# 8. 5th ELEMENT UPGRADE LINE SET

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1. Unroll the middle lines from the winder and sort them on the beach.



2. Stick the end of the grey line through the - ring of the bar.



3. Insert the ends of the middle line through the loop of the grey line. Pull the line all the way through.

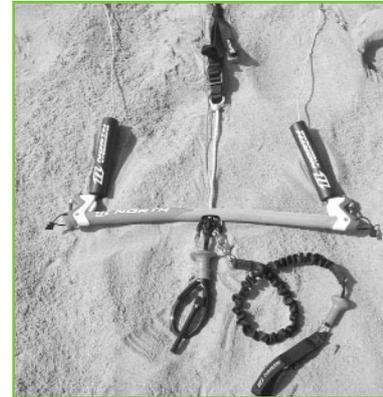
4. Take the end of the red line and feed it through the hole of microhook and the bar. Attach the leash to the loop. **If your microhook does not have a hole you can drill it with a 5mm drill parallel to the line in the apex of the curve from the micro hook.**



5. Tie a figure eight knot in the red line and attach loop of the bungee to it. Pull so the loop tightens .

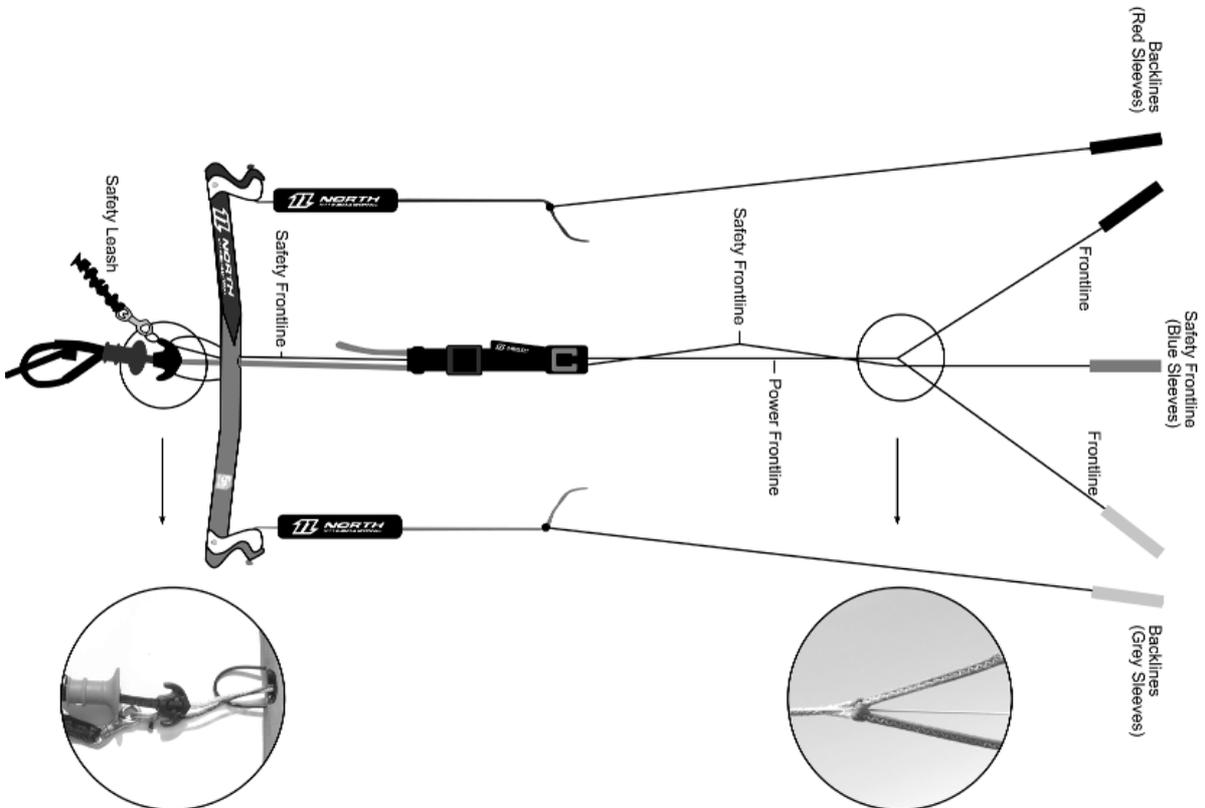


6. Unroll the back lines from the winder and attach them to your leader lines of the bar.



Now your bar is ready assembled with the 5th element system. Go out use it and be prepared for the difference it makes.





# 9. WARRANTY POLICY

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North Kiteboarding warrants this product to be free of major defects in material or workmanship to the original purchaser, for a period of six (6) months from the date of purchase. This warranty is subject to the following limitations:

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.

**North 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 North Kiteboarding distributor in your country, postage pre-paid.

If a product is deemed to be defective by North Kiteboarding, the warranty covers the repair or replacement of the defective product only. North Kiteboarding will not be responsible for any costs, losses, or damages incurred as a result of loss of use of this product. This warranty does not cover damage caused by misuse, abuse, neglect or normal wear and tear including, but not limited to, punctures, rigging with other than North Kiteboarding components, damage due to excessive sun exposure, or damage due to over

inflation of the bladders, damage caused by improper handling and storage, damage caused by use in waves or shore break, and damage caused by anything other than defects in material and workmanship.

**This warranty is voided if any unauthorized repair, change or modification has been made to any part of the equipment.**

The warranty for any repaired or replaced equipment is good from the date of original purchase only.

**The original purchase receipt must accompany all warranty claims.** The name of the retailer and date of purchase must be clear and legible.

There are no warranties, which extend beyond the warranty specified herein.

## Warranty Claims

Warranty claims must be processed and be issued a return authorization prior to shipping to North. Please call or write for claims processing to the **national North Kiteboarding distributor.**

