

CONGRATULATIONS!

You are about to fly one of the finest sport kites available.

Please take a minute to read this instruction card thoroughly before you assemble your new kite, as there are a few important differences from other kites you may have flown.

INSIDE:

Assembly

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Tuning for performance

Safety

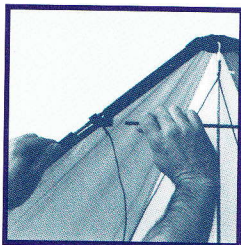
Basic control

Where to look for add'l help

ASSEMBLY

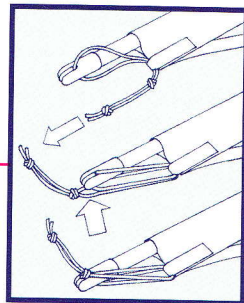
1. Unfold your kite and slide the two leading edge rod sections together.

2. Tension sail at wingtips as shown. Sail should be smooth and taut along the length of the leading edge.



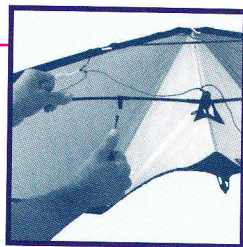
3. Insert the ends of the short upper spreader rod **ALL THE WAY** into the upper leading edge fittings. Be sure that none of the bridles get tangled around or behind the frame.

4. Insert the lower spreaders **ALL THE WAY** into the lower leading edge fittings and then into the center "T." Again be sure that none of the bridles get tangled around or behind the frame.



NOTE: The lower spreaders should be oriented so that the standoff connector fittings are closer to the center "T" than to the leading edges. The inward angle of the standoffs will help to keep your kite together during a crash.

5. Clip the thin fiberglass standoffs into holes at the two reinforcement points along the back edge of the sail. The standoffs can be removed after each flight or left permanently attached to the sail. Insert the standoff ends into connector fittings on the lower spreaders.

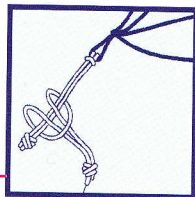


CAUTION!

If you crash your kite, check to be sure that your spreaders are *fully inserted* into their connector fittings before you re-launch. Dislodged spreaders are the most common cause of sail damage, especially when you are unfamiliar with a new kite.

ATTACHING LINES

Use a Lark's Head knot to secure the end loops in your flying lines to each yellow attachment point as shown. Pull tight before flying.



RECOMMENDED LINES

Your kite will fly well on a wide range of lengths and strengths of Spectra fiber line. For best all-round use, choose the lineset recommended for your kite in moderate winds. To take advantage of your kite's full wind range, you may eventually want several different linesets in your bag. In general, the lighter the wind, the lighter and shorter your lines should be for best performance. Spectra linesets, premeasured and prestretched, are available from your local dealer or direct from us at Prism.

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	SPARK	ION
Low winds (3-7 mph.)	40-60 feet, 50 lb.	40-60 feet, 50 lb.
Moderate winds (8-14 mph.)	65-85 feet, 90 lb.	65-85 feet, 90 lb.
Strong winds (15+ mph.)	65-85 feet, 90 lb.	75-100 feet, 150 lb.

CAUTION!

Breaking a line can cause you to lose control of your kite and injure yourself or other people. Always choose lines which are strong enough for the conditions. Be aware that line breakage is always a possibility.

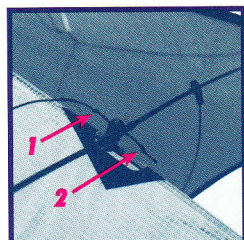
TUNING FOR PERFORMANCE

THE BRIDLE ADJUSTOR™

Your SPARK or ION can be easily tuned for different wind strengths by using the Bridle Adjustor™ fitting at the center "T." This adjustment allows you to change the angle at which the kite presents itself to the wind (angle of attack) to give the best performance in different winds.

Your bridle comes preset from the factory for best performance in the middle of its wind range. We encourage you to experiment with other settings for lower or higher winds. You'll find that the right setting makes a big difference in performance.

To adjust your bridle at the center "T," shift the knotted bridle tail down and out of its locked position in the plastic fitting. Slide the tail through the keyhole until the desired knot is behind the fitting and then shift it up into the locked position.



1. High Winds 2. Low Winds

FOR STRONG WINDS:

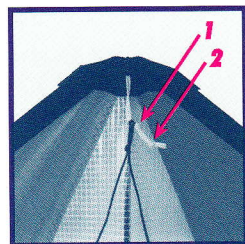
If you need to de-power your kite in strong winds, return the bridle to a *light wind* setting. This spills pressure out of the sail and reduces pull and speed significantly.

THE ATTITUDE ADJUSTOR™ (ION ONLY)

After you have mastered basic flight, you may want to set the Attitude Adjustor™ at the nose of your Ion for quicker turns and more challenging flight.

To change the Attitude Adjustor™ setting:

- 1.** Loosen the Lark's Head knot at the Factory Setting
- 2.** Slide the loose knot down to the Radical Setting
- 3.** Retighten the knot, and get ready for radical flight!



**1. Factory Setting
2. Radical Setting**

NOTE: The Attitude Adjustor™ is a completely optional adjustment. It is not necessary to reset it for flying in different wind strengths, although some fliers do prefer tighter turns and more responsive settings in lighter winds.

SAFETY

Remember, flying safely is YOUR responsibility.

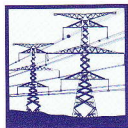
DO NOT FLY NEAR:



People



Airports



Power Lines



Roads

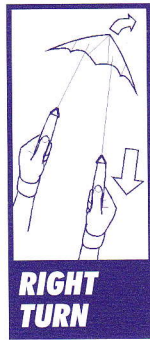
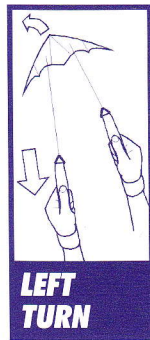
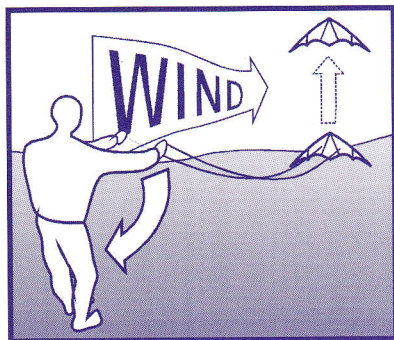


Storms

WARNING: Some aspects of sport kiting are potentially hazardous and dangerous. Any person using our products in any manner is personally responsible for learning the proper techniques involved and assumes all risks and accepts full and complete responsibility for any and all damages and injury of any kind, including death, which results from the use of any equipment manufactured by Prism Designs Inc.

BASIC CONTROL

A sharp, sweeping pull on both lines will launch your kite. Keep your arms by your side and your hands low at all times for best control.



IMPORTANT: Obstacles such as trees and buildings cause turbulence, making flying more difficult. The larger and clearer your flying field, the better.

WHERE TO LOOK FOR ADDITIONAL HELP

If you need more information, consult *the Prism Guide to Sport Kite Know-how* (included with many Prism kites) or Prism's *The Way to Fly* video. For the latest tricks and intermediate to advanced flying skills, Prism's *The Advanced Way to Fly* is the most complete and effective learning tool. It's available from your retailer or direct from us. Other questions? Give us a call or contact us at:



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