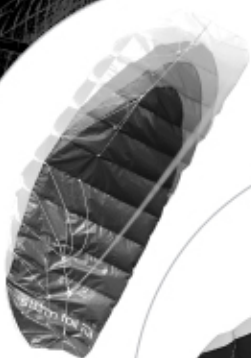


SPiRiT OF **AiR** [®]

Technical
Ecstasy

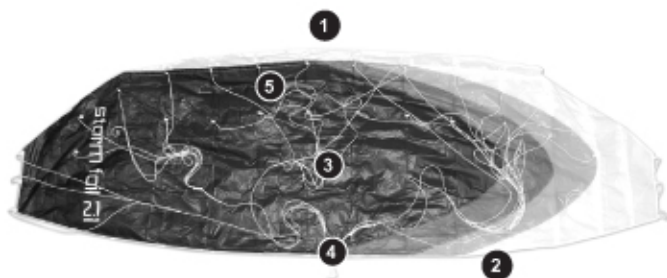


Kite assembly and flight instructions

Introduction

Thank you for buying this Spirit of Air Kite. It has been designed to reward you with many hours of kite flying pleasure. Please take time to read and understand the instructions fully. Flying a modern power kite is a skill that needs to be mastered, be patient, persistent and the skills will develop. Most of all we want you to enjoy this power kite, so go and have some fun!

Identify Your Kite Components



Familiarise yourself with the common terms for components we use throughout this manual.

1. Leading Edge
2. Trailing Edge
3. Bridle Line
4. Velcro Fastening Tab
5. Leading Edge Inlets

Kite Assembly

Unfold your kite out flat on the floor with the leading edge facing away from you downwind. The bridle lines are stored to prevent tangles and knots using the velcro fastening tab located on the trailing edge of the kite.



Remove the bridles from the velcro fastening tab and check that all bridles come off the kite sail cleanly. Lay the right side bridle to the right and left side to left.

For disassembly, simply reverse the process.

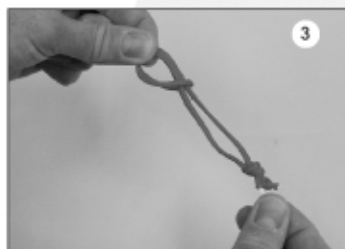
Attaching Your Flying Lines

Your Spirit of Air Signature Series power kite is supplied with high performance flying line and straps or a control bar. The lines come pre-sleeved and equalised to the same length although some readjustments of the line may be required after initial flights.

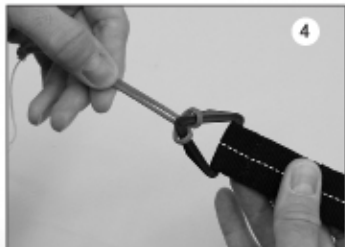


Attach the end of the flying lines to the kite using a larks head knot as illustrated. With a helper holding the kite, walk upwind unwinding your lines fully. Let out all of the line. Make sure that the lines are free of tangles, twists and of equal length. If adjustment is required simply undo the end knot, slide the sleeving to reduce the longer of the two lines and re-knot as required.

Larks Head Knot



To attach your flying line to your wrist straps, pass the sleeved loop through the end loop of the strap, then pass the entire strap through the sleeved loop on the flying line. Pull the knot tight.



To attach your flying lines to your control bar, using the lark head knot, attach the flying line to the heavy duty nylon tails, ensuring the larks head is tightened against the end knot of the nylon tails.



When winding your lines back onto the winder, wind in a figure of eight method. This prevents twists in the lines. When unwinding simply reverse the method and you should have untangled lines.

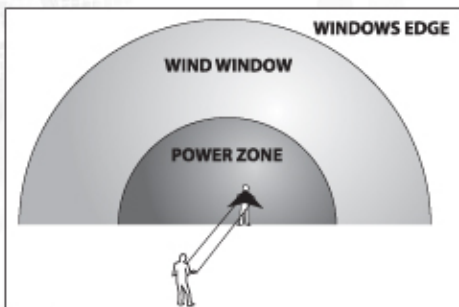
Choosing a Flying Site

Find an open park, field or beach at least 5km (3miles) from an airport and a good distance away from roads and railway lines.

Do not fly a kite near electricity pylons or overhead cables as they present a serious risk of injury should your kite or flying lines become tangled in them.

Do not fly your kite over vehicles. The kite could hit the vehicle causing distraction to the driver and possibly an accident, not to mention damage to your kite. Your kite could also get caught on a moving vehicle which could drag you to the ground. This could result in serious injury. Keep away from flying too close to other kites to avoid tangles and twists.

The Wind Window



The wind window is the area in which the kite flies. This is approximately 140 degrees in front of you when you stand facing down wind. The window will swell and shrink dependant on speed changes of the wind.

The wind window is affected by obstacles i.e. buildings, trees etc. that may be behind you. For clean wind choose a flying site free of obstades. As a general rule, an obstacle will cause turbulent wind a distance of 7x it s height down wind before it smoothes out. The area directly down wind is the power zone . This area creates the most pull and the wind is at its strongest here, as you fly the kite to the top and outsides of the window the kite will slow down and generate less pull. This is the edge of the window.

First Flight

You have your new kite in hand, an open space to fly... so lets do it!

Assemble your kite. Make sure everything looks clear and symmetrical. Check the wind. How hard is it blowing? From what direction? Pick the place to fly which will give you the clearest, smoothest wind. For your first flight, we suggest picking a day when the wind is moderate between 8 and 12 mph.

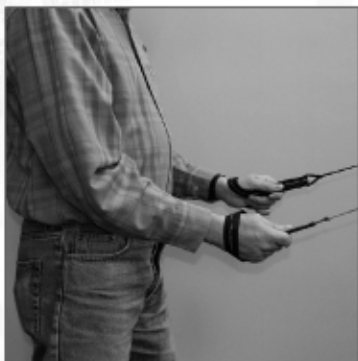
Attach your flying lines, using the larks head knot. Unroll your lines. Get a helper to hold onto the kite and walk directly into the wind while unwinding your lines.

Launching

Assemble the kite down wind to the side of the power zone. The easiest way to launch your kite is with the help of a friend, have your friend stand (down wind) holding onto the kite with the leading edge pointing upwards, **MAKE SURE THAT BOTH FLYING LINES ARE ATTACHED TO THE KITE, LET OUT FULLY AND OF EQUAL LENGTH.** Check your area behind you and the flying area is clear of obstructions. Get ready for launch!

Pick up your straps or control bar and stand facing the kite. Check that your right line is connected to the right-hand side of the kite (very important!) if not switch hands. Gently take the slack out of the lines and let your helper know that your about to launch. In one rapid motion as your helper lets the kite go take a step backwards while pulling your arms equally back on the straps or bar. Your kite should fly straight upwards. Once the kite is moving keep your hands close together close to your chest. Wait until the kite is fairly high in the sky before trying to turn. This will give you more time and space to react before you get too close to the ground. Don't worry, you will crash, everyone does! Learn to fly in light to moderate winds as repeated ground impact in a strong wind will damage your kite. When you crash, simply repeat the launch procedure to get back in the air. Remember to check your kite after crashing to make sure there is no damage.

Control During Flight



Using straps:

Standing with your arms down to your side, bend your elbows up to a 90 degree position. This is the neutral position. All movements are made from this position. Pull with only one hand at a time while the other remains at neutral. Pull right to turn the kite right, left to turn left. Return your hand to the neutral position after every turn.

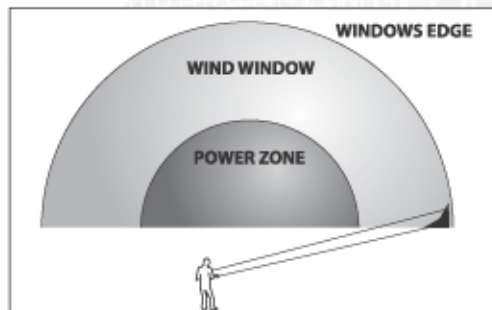
Control bar:

Standing with your arms down to your side, bend your elbows up to a 90 degree position. This is the neutral position. All movements are made from this position. Pull the right side of the bar towards you and push away the left side to turn to the right. Pull left side of the bar towards you and push away the right side to turn to the left. Return your hands to the neutral position after every turn.



Landing

By understanding the wind window and the basic controls of your kite you are ready to make a controlled landing. Fly your kite to the edge of the wind window and follow the edge down until your kite lands on its side on the ground. To aid in the landing of the kite in moderate winds, as the kite nears the ground, take a few steps forward to release pressure in the sail of the kite. This will slow the kite down and stall the kite.



Do's and Don'ts

- ✗ Don't fly your kite if there is a risk of a thunderstorm.
- ✗ Don't fly your kite near overhead power lines.
- ✗ Don't fly your kite over people or animals.
- ✗ Don't run with your kite in order to fly it.
If you need to run there is not enough wind.
- ✗ Don't fly your kite over 60m (200ft) altitude or within 5km (3 miles) of an airport.
- ✗ Don't put your kite away in its bag for a long period of time if it is wet, allow it to dry out naturally in a warm room before you pack it away.
- ✗ Do be patient, flying skills take a while to master.
- ✓ Do have serious fun.

IMPORTANT

Learn to fly in light winds as repeated ground impact in a strong wind will damage your kite. When flying in strong wind more robust flying lines than the ones supplied will be required.

The designers, manufactures, wholesalers and retailers of this product can in no way accept responsibility for damage or injury caused by the use, misuse or abuse of this product.



technical
ecstasy

SPiRiT OF **AIR** ®

Spirit of Air Ltd, The Warehouse,
Portland Street, Newport, Gwent. NP20 2DP
Tel: +44(0)1633 246788
Fax: +44(0)1633 246794
e-mail: sales@spiritofair.co.uk
www.spiritofair.co.uk