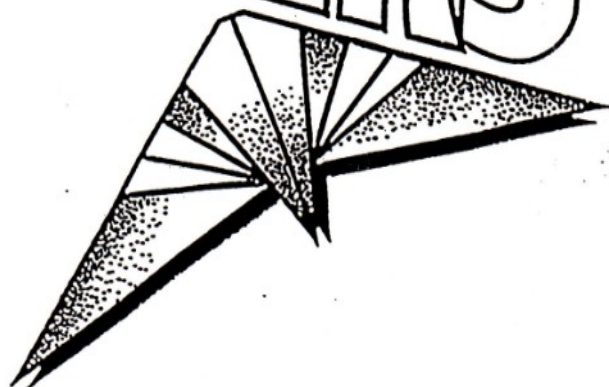


# HIGHFLYERS



*'Phantom'*



## THE HIGHFLYERS PHANTOM

---

HIGHFLYERS  
UNIT 6F,  
TRENANT INDUSTRIAL ESTATE,  
WADEBRIDGE,  
CORNWALL.  
PL27 6HB.  
UNITED KINGDOM.  
TELEPHONE:(U.K.)0208 815366.

### WARNING/SAFETY:

This is a Sport-Kite and not a toy. Always fly with the safety of others and yourself in mind. If you do not, severe injuries could result and you have done yourself and the flying in general no favours!

Fly your Highflyers Phantom in an open space of at least 300x300ft, away from Power Lines, People, Parked Cars and any other hazard that is obvious when you are setting up ready to fly. Also, do not fly if there is a risk of thunderstorms or lightning as the lines will conduct electricity to earth!

Flying kites of any type is a fun activity if you observe some commonsense about how and where you fly.

PLEASE DO NOT MISUSE THIS PRODUCT!  
FLY SAFELY AWAY FROM PEOPLE, PARKED CARS  
AND POWERLINES.

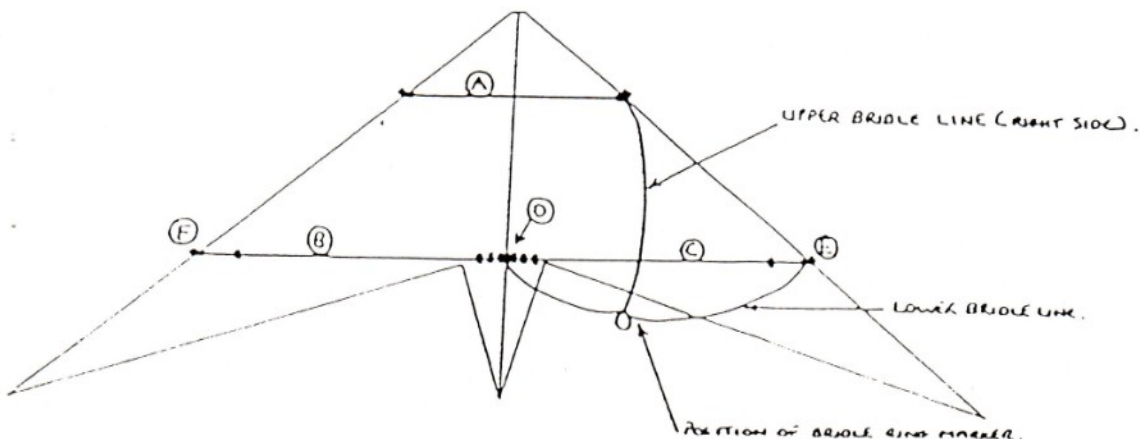
THINK OF OTHERS BEFORE TAKEOFF!

THE MANUFACTURERS ADMIT NO LIABILITY IF DAMAGE OR INJURY ARE CAUSED THROUGH THE MISUSE OF THIS PRODUCT.

### THE HIGHFLYERS PHANTOM. SPECIFICATIONS:

WINGSPAN: 96 inches.  
CHORD: 41.5 inches.

---



---

### INTRODUCTION:

Congratulations, you are now the owner of probably one of the most high performance Stunt Kites available anywhere in the world today!

The Highflyers Phantom will perform in a wide range of wind speeds and with care should last a long time. If however, the unthinkable happens and you do damage your kite, contact Highflyers or your local dealer who carry a full range of spare parts.

The recommended Line Lengths and Strengths for Wind Speeds are detailed below:

#### STANDARD & CUSTOM PHANTOM:

3-10 MPH: 80lb Spectra 90-150FT  
11-25 MPH: 150lb Spectra 100-150FT

#### SHADOW PHANTOM:

2-10 MPH: 80lb Spectra As Above  
11-20 MPH: 150lb Spectra As Above

#### PRO PHANTOM:

2-10 MPH: 80lb Spectra As Above  
11-20 MPH: 150lb Spectra As Above

WARNING: DO NOT EXCEED THE ABOVE WIND SPEED LIMITS, DOING SO WILL RESULT IN DAMAGE TO YOUR HIGHFLYERS PHANTOM!

REMEMBER, for best results, fly your Phantom on HIGHFLYERS LASER-LINE SPECTRA, available from all leading Phantom Outlets.

#### ASSEMBLY INSTRUCTIONS.

Your Highflyers Phantom comes almost-ready-to-fly, but here are few details of how to assemble your Phantom from the kite bag.

To assist in assembling your Phantom please refer to the exploded diagram on the previous page.

1. Remove all of the contents from the kite bag. You should have the kite sail with the leading edge, centre spine and small standoff rods already attached. Additionally, there should be three spars, two of the same length and one shorter.

2. Open out the sail and lay flat with the face having the bridle lines facing upwards. Slide the wing tip spars into the locating tubes that you should be able to feel inside of the leading edge sheathing, then secure the tips with the shock-cord by looping the cord around the arrow knocks at the extreme tips.

3. Take the short spar (A) and slot it into the open ended PVC tubes so that it spans the top part of the sail and is as the bridle lines on the upward facing side.

4. Take the longer two remaining spars (B&C), and taking care to ensure that the bridling lines are clear hook the rubber bands around the central spar locating assembly. Note that the bridling lines should exit from the sail immediately below this point.

5. Now pull both spars (B&C) outwards by enough to allow the end of the spars to slot into the central spar assembly (D).

6. After clearing the outboard bridling line to avoid tangling them around the spar, slot the outside end of the spar into the leading edge tube attachment point (E&F), and hook the rubber bands around the tube attachment point.

7. It may help to know that the spars go onto the attachment points with the ends with the two pieces of tubing attached being those which go into the central assembly (D).

8. You have now completed the main assembly of your Highflyers Phantom, and all that remains is to connect the standoff rods and connect the wing tip shock-cords.

9. Take short rods and pushing the sail away from you with the rod insert the free end into the tube halfway out the wingspar (B or C). Repeat this process on the other wing and now recheck all of the connections and bridling lines to ensure thatm everything is as it should be.

10. Hook the shock-cord over the arrow knobs on the wing tips to tension the sail.

11. Your Highflyers Phantom is now ready to fly and the next step is to connect your flying lines.

#### FLYING INSTRUCTIONS.

Please refer to the safety instructions again before you fly.

Having done that connect your flying lines to the rings on the end of the bridling lines and unwind your lines. If you are flying with a partner it is always a good idea to get them to hold the kite as you do this.

Once your lines are out, check that they are exactly the same length and if not, adjust them until they are. This is very important as the kite will not fly properly if you try to fly with lines of unequal lengths.

Now make sure that the kite is directly downwind of you and hold your lines out in front of you.

Holding the lines out check that you have connected the right line to the right bridle (as it faces you) and the left to the left.

The kite is steered by pulling on one of the lines to go right or left. Thus if you want to steer the kite to the left, pull on the left line, and the right line to go right!

In most wind speeds only gentle control movements are required to steer the kite and as you grow more proficient you will be able to fly well in lesser and lesser wind speeds.

For your first flight, get a helper to launch the kite. Standing directly upwind of the kite, take up the slack on the line and signal your helper to gently push the kite upwards. Ideally, your first flight should be in winds of about 5-10MPH, and in these conditions the Phantom will rise steadily to the top of the

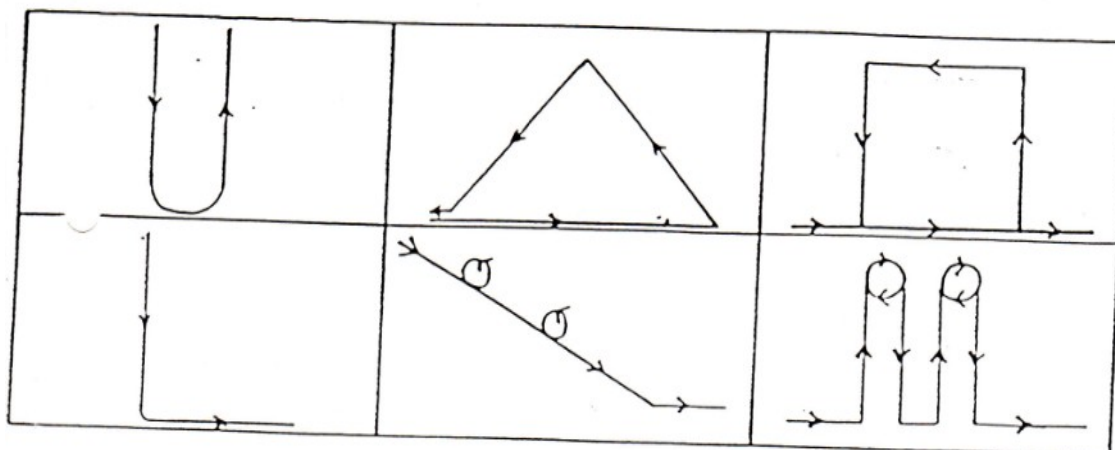
line.

Once here you can start to steer the kite around the sky and surprise yourself as to how far around the wind it will go. On this note you will see that the Phantom will slow as it progresses further around the wind, and it is this effect that we use to land stunt kites.

Fly the kite as far around the side of the wind as you can and as it slows at a height of about 6ft point the kite upwards and walk towards it. You will notice that instead of rising, the Phantom will settle onto the ground in a gentle manner. Naturally, it takes a little practice to perfect but it is an important maneuver to master, and so set yourself this task as soon as you start flying and become familiar with the kites handling.

Each Phantom has its bridle factory set for the most effective flying position. However, if it has moved during shipping, simply move the ring on the bridle until the mark on the line is just touching the ring on the lower line. The Phantom's bridle can be moved to suit your own flying style by adjusting the position of the bridle line connecting ring. If you like to feel more pull on the line simply move the ring downwards by 1/8th of an inch, or if you want a faster speed through the air, move the ring upwards, again by 1/8th of an inch. Generally however, the optimum position has been preset and so adjustment should not be necessary.

As you progress with your Highflyers Phantom, you will want to try more complicated and radical stunts, here are some to try to help you on your way:



We hope that you enjoy flying the Highflyers Phantom, and that it continues to test your flying abilities!

If you would like to know more about the other models in the Highflyers Phantom range please contact your nearest Dealer or Highflyers direct. Also if you have any questions about the kite

itself please contact us and we will do all that we can to help.

GOOD WINDS!  
AND DON'T FORGET TO HAVE FUN!

HIGHFLYERS.

THE MANUFACTURERS ADMIT NO LIABILITY IF DAMAGE OR INJURY ARE CAUSED THROUGH THE MISUSE OF THIS PRODUCT.

SPARES LIST:

- 1.Replacement Leading Edge Spars (including linkeage).
- 2.Replacement Central Spine (including linkeage).
- 3.Replacement Short Front Cross-spar.
- 4.Replacement Main Wing Spar (single or as set).
- 5.Replacement Bridle Set.
- 6.4-Line Bridle Set.
- 7.Replacement Sail (standard or custom).
- 8.Replacement Standoff Set.

HIGHFLYERS