

SWITCH FLIGHT MANUAL

Tie it to a log while you enjoy a family picnic, or challenge yourself with dual-line control and acrobatics...all with the same kite! The Switch's ingenious sliding bridle lets you convert instantly from a stable, traditional single-line kite to a high speed, acrobatic dual-line stunt kite. In single-line mode it's stable and super-easy to fly for all ages. Just let the line out and park it in the sky. Or clip your dual lines onto the color-coded bridle and it becomes a lively stunt kite for loops, spins and basic aerobatics. The long, colorful tail adds stability in single-line mode and slows things down while you learn in stunt mode, leaving a shimmering trail in the sky. Assembles in seconds and comes with everything you need, including an easy-to-use hoop winder for single-line use, plus a precision measured dual-line set with flight straps for stunt mode.

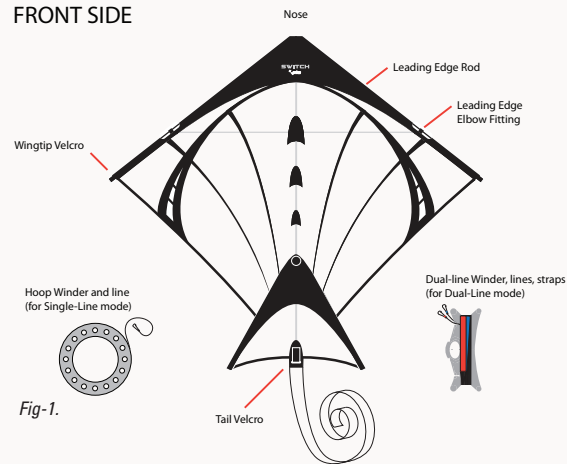


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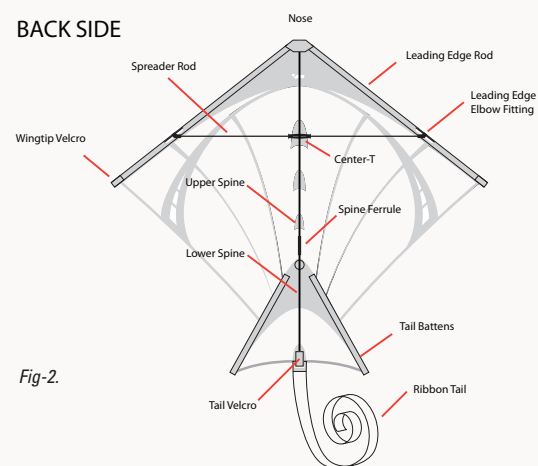
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SWITCH ANATOMY

FRONT SIDE



BACK SIDE



SPECIFICATIONS

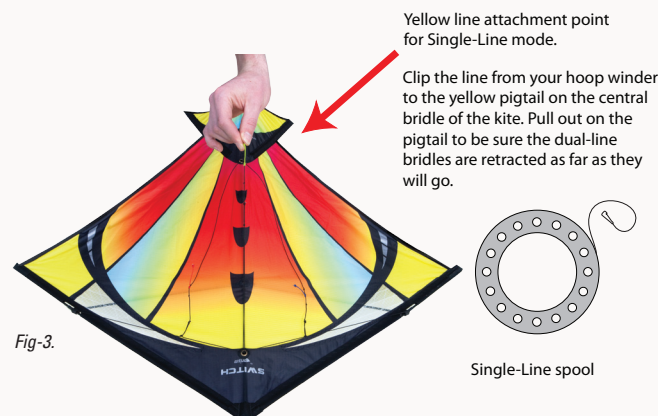
Skill Level	Beginner - Intermediate
Kite Size	38" x 34.5" (96.5 x 87.5 cm)
Wind Range	8 - 25 mph (13 - 40 kmh)
Pull	Light
Frame	Pultruded Carbon Fiber, Fiberglass
Sail	Ripstop Polyester, Mylar Lamineate
Flying Lines:	
Single Line	200' x 30 lbs Polyester (61 m x 13.5 kg)
Dual-line	75' x 50 lbs Polyester (22.8 m x 22.5 kg)

SINGLE VS. DUAL-LINE

Your Switch includes a unique convertible bridle that allows you to fly it as both a traditional Single-Line kite or a maneuverable dual-line sport kite. To switch modes, just attach your flying lines to the appropriate color-coded attachment points.

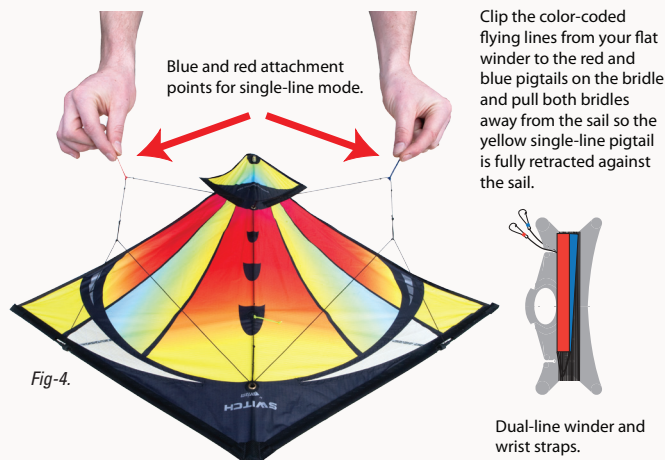
Single-line mode:

The Switch will climb and park in one spot overhead like a traditional kite. Super-easy for beginners and younger kids.



Dual-line mode:

Hold one wrist strap in each hand to steer the kite through loops, spins and geometric figures in the sky. More challenging and exciting for grown-ups and older kids.



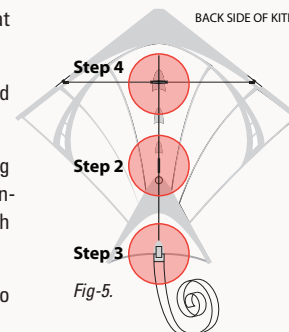
PUTTING IT TOGETHER

Step 1: Unfold your kite and lay it out flat with the printed side down

Step 2: Connect the "Upper Spine" and "Lower Spine" at the "Spine Ferrule."

Step 3: Attach ribbon tail by feeding spine Velcro through the slot in tail reinforcement. Tension spine at the tail with the "Tail Velcro."

Step 4: Insert both "Spreader Rods" into "Center-T" fitting.



FIRST FLIGHT

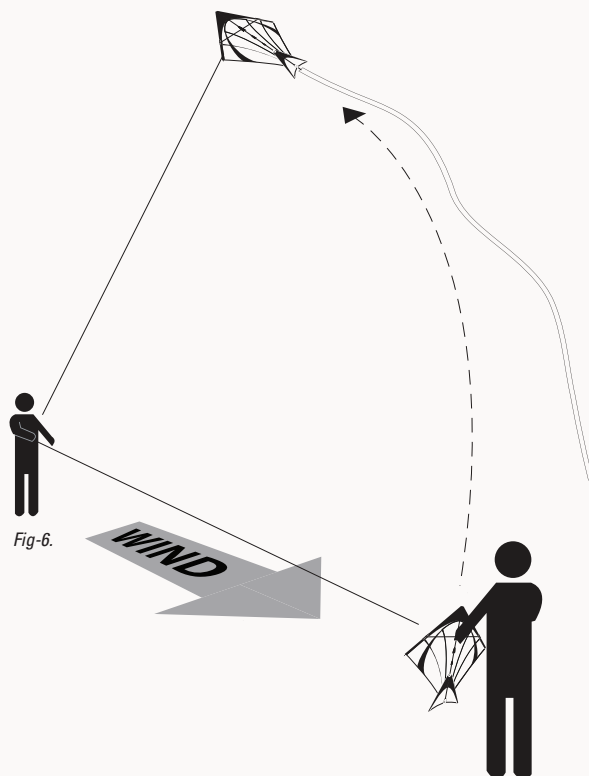
Single-Line Mode

Your Switch will fly best in a steady, moderate breeze between 8 and 15 mph. In stronger winds beyond 15 mph a bridle adjustment may be necessary to keep the kite from diving to one side (See *TUNING Section*).

Pick a place to fly that is wide open and free from obstructions to the wind. A beach with smooth wind coming off the water is ideal. Obstructions such as trees, hills and buildings will cause turbulence in the wind and your kite may not stay aloft as easily.

For your first launch, have a helper walk the kite downwind 20 to 30 paces while you let out the line. With the nose pointed upward, pull in some line to launch and the kite will climb into the sky (See Fig-6).

In light winds the kite may be reluctant to climb. Pull in line to help drive it upward, then let line out whenever you feel wind pressure on the sail. Often the wind is stronger higher up, so if you can coax it higher there may be enough wind to fly.



Dual-Line Mode

Your Switch will perform best in a steady, moderate breeze between 8 and maintaining tension on the lines and keeping the kite moving. The kite can also be flown without its tail in dual-line mode to reduce drag and speed it up in lighter winds.

Pick a place to fly that is wide open and free from obstructions to the wind. A beach with smooth wind coming off the water is ideal. Obstructions such as trees, hills and buildings will cause turbulence in the wind and your kite will be much harder to control.

Have a helper walk the kite downwind and hold it pointed up while you unwind the lines all the way and remove them from the winder (See Fig-7).

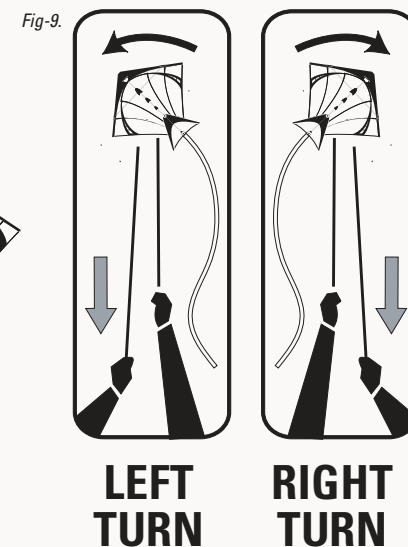
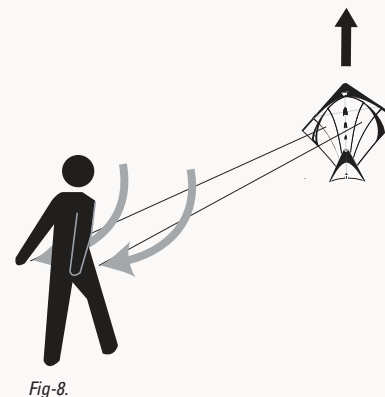
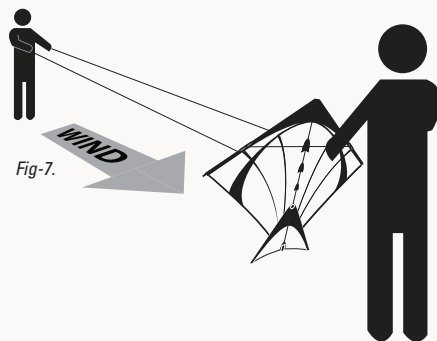
Hold the red wrist strap in your right hand and the blue one in your left.

With your arms outstretched in front of you, take a step backwards and sweep your arms down and back to launch. Hold your hands even and the kite should climb straight up into the sky (See Fig-8).

To turn, pull one line or the other slightly (See Fig-9). The kite will turn in the direction of your pull and keep turning until you even out your hands. Practice making figure eights in the sky by alternating upward turns until you get a feel for keeping it in the air. If you repeatedly turn in one direction, you will build up a series of twists in the line. After 5-10 twists, your polyester lines will have noticeable friction as they slide past each other. When friction builds, make turns in the opposite direction until the twists are removed.

It's a lot like learning to ride a bike – expect to crash more than once before you can keep the kite in the air. Most people take at least half an hour in steady winds to get the hang of it.

When you crash, be sure to check the kite for any dislodged parts to prevent breakage before you re-launch.



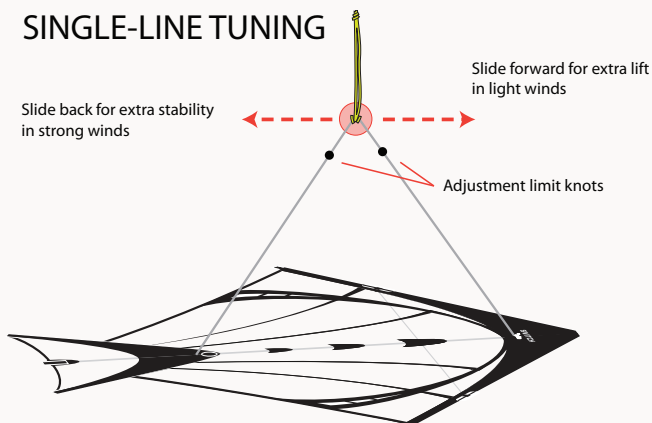
TUNING

Your Switch comes with an adjustable bridle that we set at the factory to perform best in moderate winds of about 12 mph.

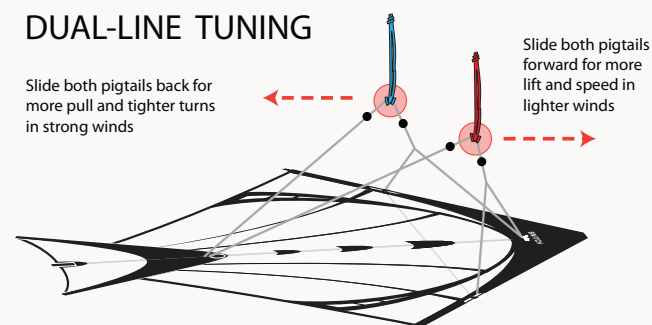
It will fly throughout its wind range with no adjustment required, but with experience you may want to experiment with fine tuning your bridle to add performance in different conditions.

You can adjust the bridle at the colored pigtails where you attach your lines. Loosen pigtail where it attaches to the bridle and slide forward or backwards between the two knots that indicate the adjustment limits. Make your adjustments small – 1/2" is plenty – and then launch again to feel the difference.

SINGLE-LINE TUNING



DUAL-LINE TUNING



CARE & REPAIR

The materials in your Switch are durable and designed for a long life with minimal maintenance. Here are few tips to keep it healthy:

Give your kite a pre-flight inspection before you launch to be sure everything is properly assembled, your frame is intact, and your bridle and lines aren't tangled.

Learn to read the wind and don't fly your Switch above its wind range.

Keep the sail out of the sun when not in use to keep the colors from fading. Beach sand is abrasive and will wear on bridles and fittings, so do what you can to dust off the sand after a session at the beach. A freshwater rinse is a good idea if your kite has been swimming in salt water.

Keep your kite out of hot car trunks and avoid using solvents to clean the sail as they can dissolve the adhesives in the seams.

LINES

It is normal for your dual-line lineset to stretch somewhat during the first hour of use, especially in stronger winds. After they have stretched in, the kite will feel more responsive and require smaller control inputs.

Occasionally one line will stretch more than the other during first use, leaving unequal lengths. Your kite is easiest to fly when the lines are even within 1-2". If they have stretched unevenly, shorten the longer line by tying a new loop in the end with an overhand knot. A video showing how to equalize your lines is on our website at www.prismkites.com/support.

If you should break a line in strong winds, tie the two parts back together with a surgeon's knot, then equalize the lengths by tying a new end loop in the longer line. A video showing the correct knot is on our website at www.prismkites.com/support.

SAIL

Sail tears are quick and easy to repair using a special transparent adhesive film called Tedlar that makes a permanent, almost invisible fix. Call us or order some from our online store at www.prismkites.com.

FRAME

If you should break or lose a frame rod or fitting, replacement parts are easy to install and available from our online store at www.prismkites.com.

TAIL

Keep your tail in top condition after use by winding it up flat on the winder over your lines and straps.



VIDEOS & MORE INFO

Go to www.prismkites.com/support for video tips on assembling, tuning, and flying your Switch.

WARRANTY

At Prism our warranty is pretty simple: If you're not happy, we're not happy, and we'll do what it takes to make things right. If the retailer from whom you purchased is unable to help, drop us a line and we'll get things sorted out. Damage due to normal wear and tear (or those occasional moments of stupidity) can almost always be repaired for a reasonable charge.

SAFETY

Your Switch can move fast and unpredictably. The kite or lines could seriously injure anyone in their path. Be absolutely sure your flying area is clear before launching.

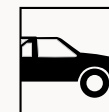
CAUTION! NEVER FLY NEAR:



AIRPORTS



POWER LINES



CARS



STORMS



PEOPLE

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