

User manual for all Peter Lynn



Kites



Congratulations on purchasing your Peter Lynn Kite!

Using Twinskin technology this kite sets new standards in performance and handling.

This manual contains information on how to set up your kite and use it on the water or land. Its enormous amount of power and lift are potentially dangerous, therefore it is important that you go through this whole manual carefully in order to understand the kite and use the kite safely. We also advise you to watch the instructional video which will give you a yet clearer understanding of some of the issues covered in this manual.

Placing & removing the sticks

Terminology

The following terms will give you a better understanding of the contents of this manual.



Putting in the sticks

To place the sticks into the pocket, slide them in as follows:



Place the stick into the solid endcap inside the pocket



Slide the stick into the pocket, making sure the white webbing does not get caught behind the velcro flap.



Make sure the stick slides in all the way, so the solid endcap sits in between the webbing at the top line attachment points.



Close the velcro flap at the bottom to secure the stick.

Removing the sticks

To remove the sticks from the pocket, use the stick removal system:



Open up the double velcro seal at the bottom of the pocket.



Pull on one end of the white webbing loop, and the stick will slide out.



Pull the webbing out until the solid endcap sits all the way at the end of the pocket, ready for next use!

Setting up

Starting off

To start flying your kite you need to follow these five steps:

- Step 1. Finding the right location to launch your kite
- Step 2. Placing the kite on the beach ready to pre-inflate.
- Step 3. Setting up your bar and lines.
- Step 4. Preparing for launch.
- Step 5. Launching the kite.

Step 1. Finding the right location to launch your kite

Find a spot to setup, away from airports, powerlines, trees and buildings. When launching, the area should be free of kiteflyers or other people. Also make sure there are no sharp objects on the ground, to prevent any damage to your kite.

Step 2. Placing the kite on the beach ready to pre-inflate



Roll the kite out and put in the sticks if not already done so. Place one tip on the ground with the lower skin upwards, and let the rest flap in the wind. Fold a *small* part of the tip over and place some sand on it. This part should be small, so as many cells as possible can inflate in the upwind tip.

Open the inflate zipper on the upwind tip, and make sure it stands open so the air can flow in. Make sure both the deflate zipper and the other inflate zipper are closed. While the kite is being pre-inflated you can start to get your flying lines ready to be attached to the kite.

Step 3. Setting up your bar and lines

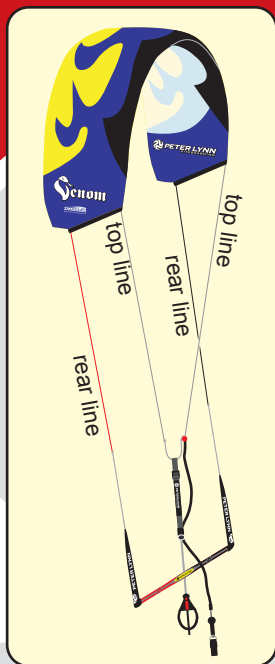
Roll the leader lines off the bar and place everything flat on the ground. Roll out the flying lines in a straight line and attach them to the bar as shown in the bar manual.



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Attaching flying lines

Attach the flying lines to the kite as shown on the diagram.



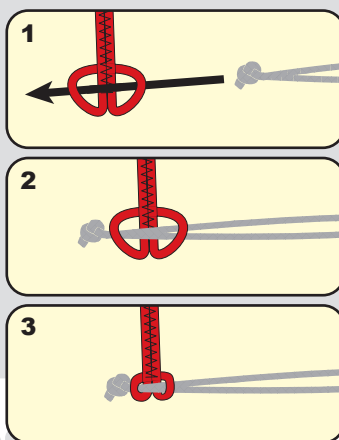
One set of lines should be attached to the depower set and to the top attachments on the kite.

The other set of lines should be attached to the ends of the bar and to the bottom attachment points on the kite.

Use a larkshead knot to attach the lines:

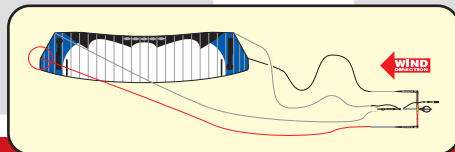
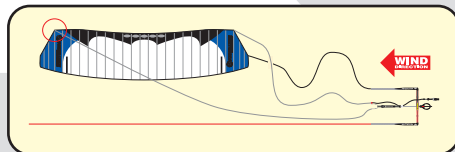
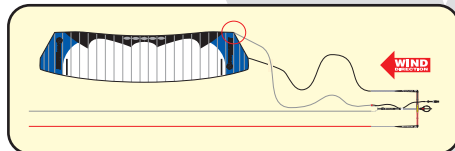
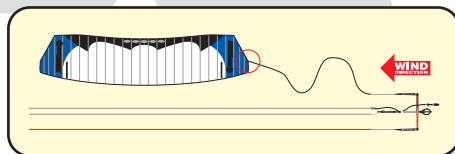
The correct knot to use for attaching your flying lines to the attachments on the kite, is a larkshead.

Place a larkshead knot in the sleeve, slide it over the attachment knots and tighten the larkshead as shown.



To ensure that your lines are attached correctly, without twists or tangles, you can use the following method:

1. First attach the rear line to the upwind tip.
2. Now attach the top line to the upwind tip, taking it **over** the rear line you have just attached.
3. Take the other top line and attach it to the downwind tip, passing it over the kite.
4. Attach the rear line to the downwind tip. Now you are ready for step 4: Preparing for launch.



Preparing to launch your kite

Step 4. Preparing for launch

Check that there are no sharp objects under or near the kite, as it may slide a little bit over the sand during launch.

Make sure the kite is **fully** pre-inflated. Failure to do so may result in the kite to collapse during take off. If the whole kite is full of air, close the inflate zipper on the upwind tip. Check again that the other inflate zipper and the deflate zipper are closed.



At the upwind tip, make sure the lines are running freely from the tip.



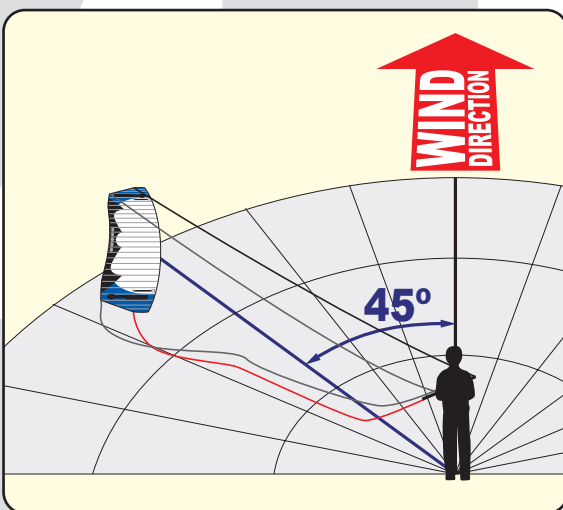
At the downwind tip, make sure the lines are lying over the kite. Place both flying lines in the launch assistant, making sure they are tight between the stick and the velcro tag.

Check that your kite is ready for take off, your lines should be free of tangles and not hooked behind anything and the area is clear of people or any other obstacles. Take your bar and attach the safety leash to your harness. Always make sure to attach the safety leash before flying, so it can be used in case something goes wrong during the launch. Pull in your power adjuster about halfway.

Make sure you stand at the correct position so your lines are at a 45 degree angle to the wind direction as shown.

Be careful: as soon as there is tension on the flying line connected to the far tip the kite can take off at any time. Always keep your lines slack if you are not yet ready to launch.

Now you are ready to launch your kite.



Self-launching

Step 5. Launching the kite

Self launching

The self launch can be done on areas with a smooth surface. It is the easiest and most common method of launching, especially if there is no one around who knows how to help you to launch Twinskin kites.

Self launch with Launch Assistant

When there is no help available, make sure the lines are held tight in the launch assistant. This ensures that the lines will not flip around the tip. Grab your power adjusting strap and hold it up high while putting slight tension on your lines. A series of short pulls will ensure that the lines are pulled out of the launch assistant and the tip will flip up with both lines running over the lower skin of the kite.

Note: If the tip does not flip up, take a step forward first and try again, do not walk further backwards.

Self launch with little help

If you have a helper around, this helper can hold up the downwind tip to ensure that the lines are running over the lower skin of the kite. As soon as there is tension on the lines, the helper can let go and the kite will launch. Ask the helper only to hold the tip up when you are completely ready to go, with your safety leash attached and your bar in your hands. If the helper holds the tip up at an earlier stage, the wind will blow against the tip pushing the air out of the tip area towards the center of the kite.



Make sure the far top and rear line lie over the lower-skin of the kite and slowly pull the tip up.



Keep your rear lines tensioned and take a few steps back. The kite will slide back and slowly get into shape.



Once the kite is off the ground keep the rear lines slightly tensioned until it has completely filled up with air.

Launching with a helper

Launching with a helper

Launching with a helper is better than a self launch when the surface is rough (like rocks or dirty beaches) or when you want to launch from a different location than where the kite was pre-inflated, for example if you wish to stand in the water before launching.

With the kite inflated as much as possible, the helper grabs both tips firmly, holding the sticks close together. Make sure your lines are at 45 degrees, fully tensioned. The helper holds the tips parallel to the ground, with the leading edge towards the edge of the wind. When you are ready to launch, signal your helper.



The helper now first has to release the tip on top.



Keep your rear lines slightly tensioned. The kite will take its shape and the tip that was just released wants to fly off.



At this moment the helper lets go of the other tip. Keep your rear lines slightly tensioned until the kite has completely filled up with air.

Note: make sure the helper waits until the kite takes its shape before releasing the second tip, as letting go before the kite takes its shape can result in very dangerous situations!

Tips for launching your kite

- Make sure you are not launching in an area with obstacles like poles or cars, make sure the area is free of people or other kitefliers. Do not fly your kite near power-lines, airports, highways, or in thunderstorms.
- Make sure the ground is free of sharp objects to prevent the fabric from getting damaged.
- Pre-inflate the kite as much as possible. The more you pre-inflate the easier the launch.
- When launching, keep the rear lines tensioned until the kite is completely filled up with air.
- Do not launch while hooked into a harness.
- When in doubt of the wind strength, try a smaller kite first.
- Check your flying lines properly. Before attempting your launch, make sure they are free of twists and tangles. Also check if they are not hooked behind any part of your bar before you launch.

Landing & packing up

Landing

Landing your kite is easiest with a helper, but also can be done without help from others.

Landing with a helper

Fly your kite all the way to the edge of the wind window, and slowly steer it down to the ground. An assistant can then grab the spar closest to the ground. Run forward to release the tension on your lines and the kite will flap in the wind.

The helper now lays the kite on the ground and secures the tip with some sand. Open the deflate zipper and fold the kite in half, placing both tips onto each other secured with some sand.



Self-landing

Make sure you are not landing your kite in an area with poles or other sharp objects on the ground. Fly your kite to the edge of the wind window. Unhook your depower loop, or pull your safety release if necessary, and let go of the bar. The kite will lose its shape and fall on the ground. Wait until the kite has moved directly downwind of you. If possible, secure your leash to any heavy object around you, and walk towards your kite. Place some sand on the upwind tip, fold the kite in two and open the deflate zipper. Pull the flying line with the safety leash back through the rings on the power adjuster, so the leash gets back to its original position, before winding up your lines.

Packing up your kite

When leaving your kite on the beach, always make sure your kite lies folded in half. When leaving your kite laying out flat, the fabric will weaken in the downwind tip area due to the constant flapping. When pausing for a longer period of time, we would recommend you to roll up your kite, as UV rays damage the fabric.

If you wish to store your kite without sticks, pull out the sticks using the stick removal system. Roll up the complete kite from tips to the center. Place the kite and sticks in the bag.

If you wish to store your kite with the sticks in, just roll up your kite from tips to center. Undo the zipper at the bottom of the bag and pull out the sleeve from the main pocket of the bag. Place your kite in the sleeve and reattach the clips on the side of the bag.

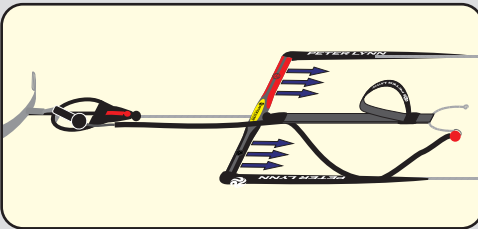


Flying techniques

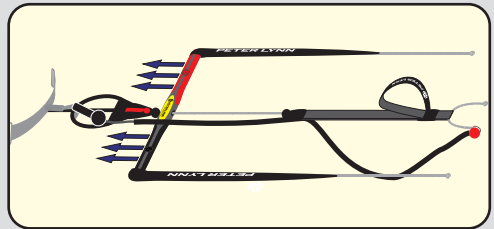
Using the bar

The power of your kite can easily be controlled with the bar. When the depower loop is hooked in, the bar can slide over the depower line which changes the angle of attack causing the kite to produce more or less power. Also the power adjuster can be used to change the overall power of the kite.

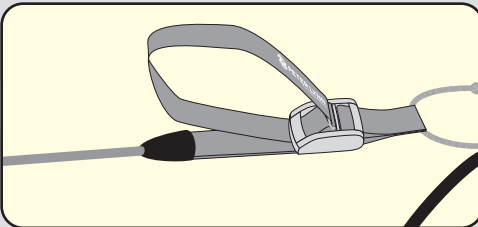
By slightly pulling the bar towards your body while steering, the kite will make tighter turns.



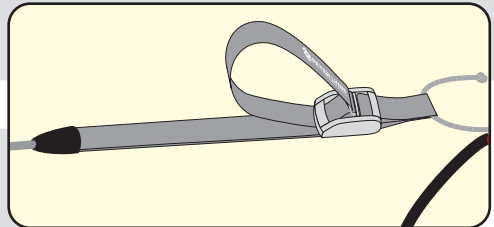
When sheeting out the bar the power of the kite decreases.



When pulling in the bar the power of the kite increases.



Pulling in the power adjuster decreases the overall power of the kite.



Sheeting out the power adjuster increases the overall power of the kite.

Top/rear line adjustments

You may find your lines not set right for your personal way of flying your kite. These are some guidelines that might help you set your lines correctly:

- If the kite does not accelerate in flight leaving you with minimum pull, your rear lines are too tight.
Shorten the lines on the top attachments of the kite.
- If the kite steers very slow, with very little response on your bar, your rear lines are too loose.
Shorten the leader lines on your bar.

In the rare occasion that your kite stalls, grab the power adjuster and jerk the top lines until the kite gets moving again.

Inverting

In a very rare occasion the kite may invert, so the back skin is facing the flyer. The kite will fly inverted. Land the kite nose down, allow it to roll over and then relaunch the kite.

Flight adjuster & safety systems

Flight adjuster

The flight adjuster can be found in the center of the kite, on the webbing running between the two rear line attachments. The flight adjuster changes the length of this webbing over the center cells, changing the allround feel of the kite.

Using the flight adjuster

Open the deflate zipper and pull out the webbing braid running between the rear attachment points. Tightening the adjuster will give the kite slightly more power and less depower overall. Loosening the adjuster will make the kite less grunty. The standard setting is halfway between minimum and maximum setting. In extreme light winds or if the kite is wet, you may find that the kite flies better with the adjuster loose.



Safety systems

If you need to lose the power of the kite without losing the kite itself the safety system can be used. Never be afraid to use it because it can save your life!

When activating the safety system, the kite loses its shape and falls down on to the water.

Before using this kite, please check the manual supplied with your bar on how to activate your safety systems and reattach the release systems used.

Please note: Using a Peter Lynn bar with this kite is recommended. Be aware that not all safety systems on 4-line bars are compatible with Twinskin kites. When in doubt, check your retailer.

Using your safety release

To activate your safety system, you need to disconnect yourself from the bar. This can be done by using the safety release on your depower loop and/or your harness line. The bar will slide forward on the line that is connected to the safety leash. The kite loses its shape and falls down on the water. For recovery after using your safety system, pull in the single line and grab the bar. Let the single line slide back through the ring on the power adjuster, and continue with relaunching your kite.

Using the safety leash quick release

When the kite is still pulling, even after using the safety system, there is a safety release on the leash. Only use it when there is no other option, as a disconnected kite be dangerous for bystanders or other kite flyers.

To disconnect the leash from your harness, use the quick release on the leash.

Tips regarding safety systems

- When getting a bit overpowered, slowly bring back the kite straight above your head. Only try to use your safety system when things get out of hand.
- When your kite is on the water, always be very careful with flying lines which are not tensioned. Make sure they do not get tangled behind any part of your body, harness or board.
- After using your safety system, putting tension on any of the other lines can cause your kite to take off and start to pull.

Water relaunch

Tip on Tip relaunch

When your kite lies on the water tip on tip, relaunch as follows:



The kite lies on the water tip on tip.



Pull the rear line of the bottom tip. The kite will open up...



...regaining its shape. Now just steer the kite off the water.

Kite on its leading edge

When your kite lies leading edge down, relaunch as follows:



The kite lands with its leading edge on the water. Pull in one rearline...



...so the kite rolls over onto its side.



Now you can follow the tip on tip relaunch to finish off the procedure.

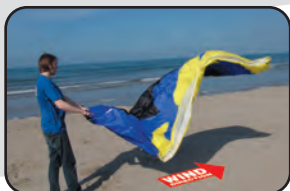
Often the kite flies up with the two tips together. If this happens relaunch is simple: grab the power adjuster and jerk on both toplines. The tips will come loose and the kite will fly off.

After a water relaunch fly the kite up the zenith. Shaking your bar a few times helps for the water to fall off the kite faster. If water has seeped into the kite, keep the kite above your head till the water has dribbled out through the tips. Then continue surfing.



Removing sand & water from the tip area

When there is sand or water stuck in the tip area, you can remove it by opening the small velcro outlets on the tip.



Removing sand & water from the center of the kite

When there is sand or water in the center of the kite, you can get it out through the deflate zipper. Hold both tips and shake the kite up and down whilst the deflate zipper is open. The sand or water will come out of the kite via the deflate zipper.

More information

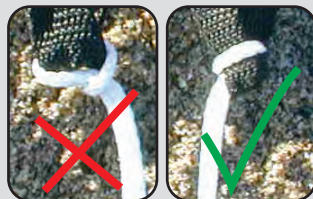
Maintenance Tips

Always remove sand and water from your kite. Always store your kite dry. Regularly rinse off your kite with tap water.

Regularly check your equipment for wear and tear, especially on the following parts:

- **Fabric:** Check the fabric for holes or tears.
- **Zippers:** regularly check if they are still intact. Use silicon spray to clean them in case of salt residue on the zipper.
- **Line attachment loops:** Regularly check if the line is still intact and that loops are free of wear. Also check if the loops are still tied on correctly. (see image on the right)
- **Pockets:** Regularly check both ends of the pocket.

If there are problems please contact Peter Lynn for the best solution.



Safety precautions

Safe location and weather conditions:

- Stay away from power lines, roads, airfields, railway lines.
- Never launch your kite on crowded beaches.
- Do not fly over bystanders.
- Make sure there is a 'clear' downwind area at least three times the distance of your flying line length.
- Never fly kites in thunderstorms, lightning or gusty/stormy winds.
- Do not go kiteboarding in offshore winds.

Safe traction kiting:

- Traction kites are no toys, they should not be flown by inexperienced persons and certainly not by children.
- Learn to fly kites with smaller models and start in light winds.
- Never use kites for paragliding or parachuting.
- Never use any type of kite or kite accessory for jumping off high places like hills or cliffs, or any other manlifting activity.
- Always use fully protective gear when landboarding, snowkiting or buggy riding.

Safe kiteboarding:

- We strongly recommend the use of helmet and life jacket/impact vest. Also a safety knife to cut flying lines in case of emergency is recommendable.
- Do not kiteboard in spots already in use by swimmers or surfers.
- Beware of strong currents.
- Stay safely away from other watercraft and shipping lanes.
- Never go further out to sea than you can safely swim back.
- Always make sure there is a capable person on shore that is keeping watch and is ready to provide (or call for) help in case of an emergency.

More about Peter Lynn products

There is a whole range of products available from Peter Lynn.

For more info on these products, extra tips and tricks, or any other questions, please visit:

WWW.PETERLYNNPRODUCTS.COM

WWW.PETERLYNNKITEBOARDING.COM

