OZONE

Pilot Manual - EN

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THANK YOU

Thank you for choosing Ozone.

As a team of free flying enthusiasts, competitors and adventurers, Ozone's mission is to build paragliding equipment of the highest quality. We are constantly working together to develop cutting edge designs with class leading performance and maximum security.

Ozone products are meticulously designed and rigorously tested by our team of experienced, discerning, world-class pilots to ensure they meet your expectations and demands. The products we offer you are the ones we fly ourselves, every day.

To ensure the highest levels of quality, we manufacture exclusively in our own production facility. Our unique made-to-order system means that every harness is effectively tailor-made for you and during each stage of the manufacturing process it undergoes numerous rigorous quality control checks to guarantee it meets the highest industry standards.

It is essential that you read this manual before using your harness for the first time. It includes important information regarding it's use and care. For the latest updates, including all technical datas, please refer to the latest online version.

If you need any further information about any of our products please check flyozone.com or contact your local dealer, school or any of us here at Ozone.

Safe Flying!
Team Ozone

WARNING

- Paragliding is a potentially dangerous sport that can cause serious injury including bodily harm, paralysis and death. Flying an Ozone harness is undertaken with the full knowledge that paragliding involves such risks
- As the owner of an Ozone harness you take exclusive responsibility for all risks associated with its use. Inappropriate use and or abuse of your equipment will increase these risks
- Any liability claims resulting from use of this product towards the manufacturer, distributor or dealers are excluded
- Be ready to continue your learning by attending advanced courses to follow the evolution of our sport, as techniques and materials keep improving
- Make sure you complete a thorough daily and pre-flight inspection of all of your equipment. Never attempt flying with unsuitable or damaged equipment
- Always wear a helmet, gloves and suitable footwear
- All pilots should have the appropriate level of license for their respective country and third party insurance.
- Make sure that you are physically and mentally healthy before flying
- Choose the correct wing, harness and conditions for your level of experience
- Pay special attention to the terrain you will be flying and the weather conditions before you launch. If you are unsure do not fly, and always add a large safety margin to all your decisions
- NEVER fly in rain, snow, strong wind, turbulent weather conditions or clouds
- Respect the environment and look after your flying sites
- If you need to dispose the harness, do so in an environmentally responsible manner. Do not dispose of it with the normal household waste

YOUR OZO² & OZO²N

The OZO² and OZO²N are lightweight mountain harnesses made from ultra-lightweight materials and designed specifically for use with Ozone's range of modern lightweight wings.

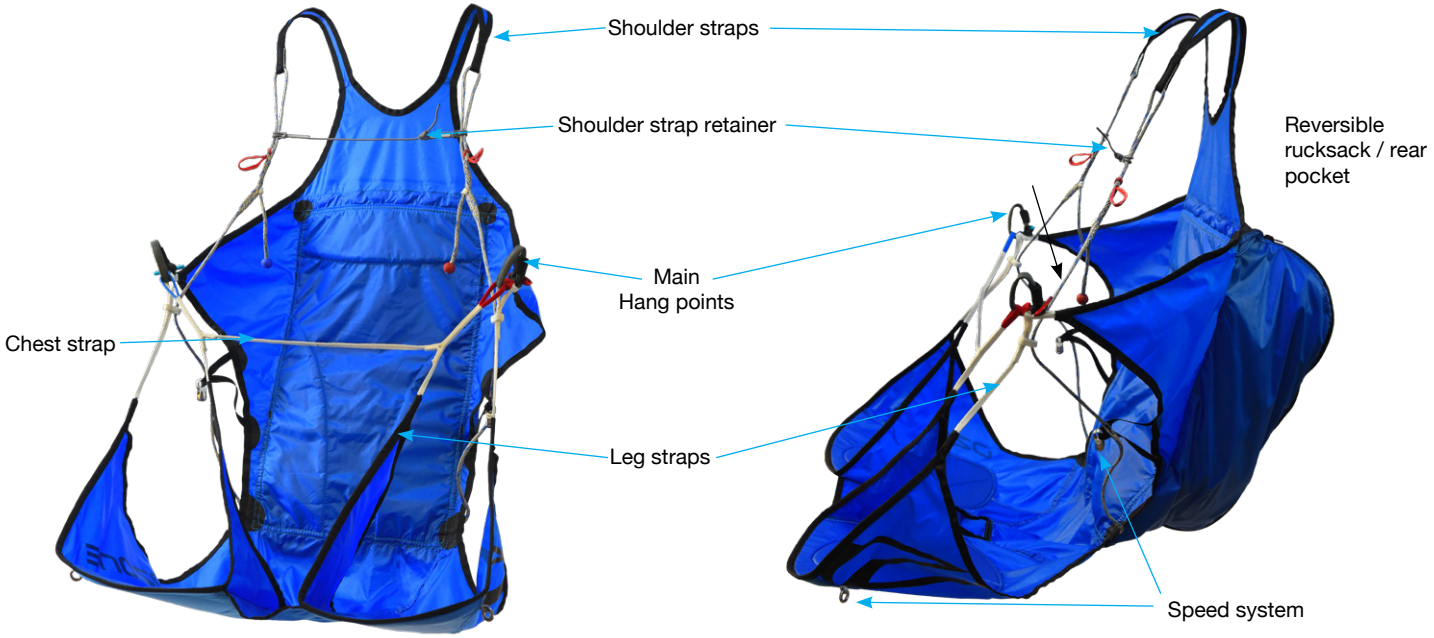
Available in three structure sizes S, M and L, the OZO² features a reversible 30L rucksack, ideal for carrying an XXLite or Ultralite mountain wing (or equivalent). The OZO²N shares an identical structure without the reversible rucksack.

Every detail of the OZO²'s construction has been optimised for weight to make it one of the lightest available reversible harnesses. Although the OZO² is extremely lightweight, it is fully load tested and will last for many seasons of use if properly cared for.

In the backpack configuration, the OZO² is comfortable and stable on long ascents. Ultra-light, ergonomic 3D foam straps distribute the load evenly on your shoulders, and there is adequate internal volume for water, helmet, gloves, etc.

While a certain amount of compromise is unavoidable, we strove to make the OZO² comfortable enough for extended flights. Reinforced semi-rigid leg supports spread your weight across a wider section of the harness than other ultra-lightweight mountain / descent harnesses, making soaring and XC flights comfortable. All leg and shoulder straps are fully sewn and buckle free. The harness is adjustable in the air and on the ground.

ANATOMY OF THE OZO²



PREPARATION

Initial Set Up

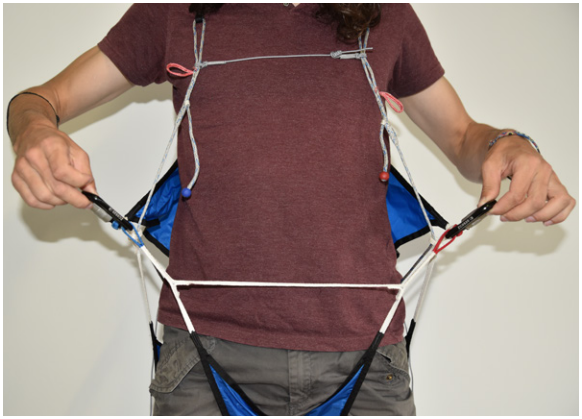
Before you first flight, we recommend you to set up the harness in the comfort of your own home so that you become familiar with its functions and characteristics. You should hang the harness from a suitably strong suspension point to ensure it is been set up correctly and suitable for a comfortable flight. First of all the harness must be orientated correctly so that there are no twists to the structural webbing. Do not attempt to fly the harness inside out, you risk damaging the carbon bars and yourself! Check that all straps are free from twists. Double check the shoulder straps around the hang points as they can easily become tangled in this area.

Fitting

There are 2 ways to put the harness on;

Method 1:

Place the carabiners on the coloured lumbar support attachment points. Red for left, blue for right. Place the shoulder straps on each shoulder as usual, then lift up the chest/leg straps from between your legs and join the attachment points to the carabiner of the corresponding colour. Repeat for the other side.



Method 2:
Stepping through the leg/chest straps. If using X-Lite Connects you may find that leaving the harness attached to your wing is more convenient. In which case, one at a time, step through the chest and leg straps before pulling the shoulder straps into place. Make sure your legs go through the leg straps correctly and not through the sides of the harness. The split leg supports should sit under your thighs.

It is not recommended to use the step through method if you are using crampons as you risk severely damaging the harness. Instead use method 1 or remove the crampons before putting the harness on.

Once in the harness correctly, attach the shoulder strap retainer by passing the knot through the loop.

Adjustments
The length of the shoulder straps can be modified using the splice adjustments. Adjust the shoulders whilst standing up with the harness on so that they are comfortably snug. Whilst suspended in the seated position ensure the straps are comfortable and supportive. To tighten the shoulder straps pull the red toggles downwards. To loosen, pull the red loops in the same direction.

Speed bar

To fit the supplied accelerator system, first remove the Brummel hooks and route the lines though the ring located on the side of the leg supports, then through the pulleys on the side of the harness. Make sure the lines pass to the outside of all straps and adjustments. Replace the Brummel hooks or make a suitable knot in the ends of the lines and attach it to the riser's speed system using a larks foot.

Ensure the speed bar lines are of equal length, double check that they are not too short as this may inadvertently activate the speed system when under tension in the air. Double check on the ground before flying.

Reserve Parachute

The OZO² and OZO²N do not have an integrated reserve parachute container. To fit a reserve parachute you must use a front-mounted container (not supplied). The reserve bridles should be attached to the main carabineers, please refer to the container's instruction manual for the correct mounting procedure.

Use only suitable metal carabineers when connecting the bridles to the main hang points. DO NOT use X-Lite connects, they have not been designed or tested to cope with the potentially high shock loads associated with a parachute deployment.

The Ozone Ultralite rescue container is a perfect lightweight option. If using a 3rd party parachute system, check that the length between the handle and the container does not allow entanglement with the parachute lines.

WARNING: X-Lite connects are only suitable for connecting paraglider risers to the harness. They MUST NOT be used to attach reserve parachutes. Hard dynamic shock loads may cause complete failure resulting in serious injury or death.

UNDER SEAT PROTECTION

The optional Ozair under seat protection (not supplied as standard) can be added to the OZO² and OZO²N using the attachment loops. The harness has 8x attachment points for the protector located under the seat. Orientate the Ozair protector correctly with the Ozone logo facing rearwards and attach each toggle to the appropriate attachment point by simply passing it through the loop.

The protector must be inflated fully by blowing into the tube or using an air pump (not supplied). Open the pipe stopper before inflation. When fully inflated - to the point at which you cannot easily add any more air - close the inflation pipe stopper to the very last click and stow the inflation pipe within the zipped pocket.

Whilst inflating the protector inspect for any visible damage or audible air leaks. If you notice any issues or leaks then the protector needs to be repaired or replaced. Do not fly with ineffective equipment.

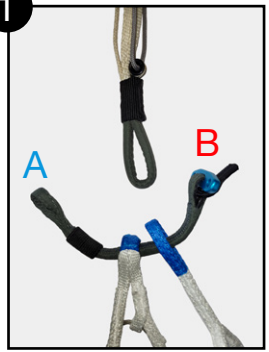
CONNECTION TO THE WING

The harness should be attached to the risers using a suitable carabiner. For the lightest option we recommend the X-Lite connects. Whatever the type of connection used, ensure that both the leg strap and lumbar support loops pass through the connector. Each side is colour coded.

IMPORTANT: There are no other suitable attachment points to attach the risers to the harness.

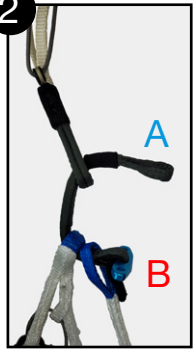
X-Lite Connection

1



Pass loop A through the main harness hang point and the lumbar support.

2



Now pass loop A through the riser hang point. Ensure the risers are oriented correctly with the speed system facing to the outside.

3

To close the Connect pass the T lock B through loop A

4

Secure the T lock with the elastic loop

5

Neatly store the end of the elastic loop within the elastic

REVERSING THE OZO²

To reverse the Ozo into the backpack, it is not necessary to first disconnect the wing from the carabiners.

Ensure all the buckles, carabiners, risers and structural straps are placed on the inside of the harness structure. It is recommended to place the folded wing within the harness.

Undo completely the zip of the rear pocket and turn it inside out, it can now be done up again to completely enclose the harness and wing.

HARNESS MODE

To convert from backpack mode to harness mode, reverse this procedure.

USE AND MAINTENANCE

PRE-FLIGHT CHECKS

Before take off it is important to carry out a thorough pre-flight check:

- Visual check of structural webbing looking for any obvious damage or twists
- Visual check of the X-Lite connects/carabiners for any signs of wear or fatigue
- Risers connected correctly without twists
- If using a speed system ensure it is attached correctly and not tangled around the webbing
- Leg / Chest strap done up correctly
- Shoulder strap retainers fastened correctly
- If using a front mounted reserve container, ensure the parachute pins are correctly in place and that the bridles are correctly mounted on the carabiners
- **Double check your leg straps**

CARE

The OZO² will last many years and many flights if looked after correctly, however it is a light product that is not designed for misuse or hard treatment. Take extra special care and treat it gently. To keep your harness clean and airworthy, please note the following:

- Avoid excessive exposure to UV, heat and humidity
- Pack the harness dry and store in a cool dry place, take care to not damage the carbon bars
- Never drag or skim your harness along the ground
- Keep you harness clean of dirt, oils and any corrosive substance

Use water and a cloth to clean if necessary.

INSPECTION

For safety, routine inspection of all of your equipment is vitally important. Ozone recommends a service interval of 6 months in addition to the usual thorough pre-flight checks.

For inspection, visually check the stitching, webbing and all structurally important areas. Pay particular attention to the webbing around the hang point area and the carbon bars as this is where abrasion/damage is most likely.

If you find any damage or if you are in any doubt make sure the harness checked by a professional. Other than replacing damaged carbon bars, the harness is not serviceable in any other way. If your OZO² is damaged then it should be replaced. Do not attempt to make repairs yourself and do not attempt to fly with a damaged harness.

If using a front mounted reserve parachute, the entire system should be checked every 6 months and the parachute repacked according to the manufacturer's recommendation.

DISPOSAL

When the harness comes to the end of its useful life, remove all the metal parts and dispose the rest in an environmentally friendly manner.

LIMITATIONS

The OZO² is a lightweight design intended specifically for hike and fly foot launching. Although EN load tested, it is NOT suitable for towing; speed riding; aerobatics or excessive high G manoeuvres. Exposure to high G should be limited to emergency situations only.

OZONE QUALITY GUARANTEE

At Ozone we take the quality of our products very seriously, all our equipment is made to the highest standards in our own manufacturing facility. Every product manufactured goes through a stringent series of quality control procedures and all the components used to build your harness are traceable. We always welcome customer feedback and are committed to customer service. We will always undertake to fix problems not caused by general wear and tear or inappropriate use. If you have a problem with your OZO² please contact your dealer/distributor. If you are unable to contact your dealer, contact us directly at info@flyozone.com.

Summary

Safety is paramount in our sport. To be safe, we must be trained, practised and alert to the dangers around us. To achieve this we must fly as regularly as we can, ground handle as much as possible and take a continuous interest in the weather. If you are lacking in any of these areas you will be exposing yourself to more danger than is necessary.

Take very special care of your OZO², it is delicate and must be treated as such. When landing do not skim across the ground or you will damage the harness, always get your legs down and do your upmost to preserve the OZO².

Respect the environment and look after your flying sites.

If you need to dispose of the OZO², do so in an environmentally responsible manner. Do not dispose of it with the normal household waste.

Finally, RESPECT the weather, it has more power than you can ever imagine. Understand what conditions are right for your level and equipment and stay within that window.

Happy flying & enjoy your OZO².
Team Ozone

TECHNICAL SPECIFICATIONS

	S	M	L
Weight (g) OZO²N	272	282	292
Weight (g) OZO²	540	550	560
OzAir Protector	460	460	460
Recommended pilot height (cm)	150 - 170	160 -185	180 - 200

MATERIALS

Harness Outer fabric
Nylon 70D

Main structural webbing
Technisangle 7

CERTIFICATION

The OZO² and OZO²N are certified EN 1651:2017 with a maximum load of 120kgs. The optional OzAir inflatable protector EN Impact max. peak: 31.7 g

INSPIRED BY NATURE, *DRIVEN* BY THE ELEMENTS

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