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DAVINCI
GLIDERS



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User's Manual

REV.

Contents

Warning	-3
Introducing the Harmony passenger AIR	-4
Before you fly	-6
Flying with the Harmony passenger AIR	-9
Maintenance and repairs	-11

Thank you for choosing
the Davinci Harmony passenger AIR harness.

This harness is for the tandem passenger's equipment. It has air bag system and don't have the rescue pocket so do not use for the solo flying. Also there are inner protect but you don't need to install it.

We hope to enjoy your tandem flying with your passenger.

Davinci gliders team

WARNING!

THIS IS NOT TRAINING MANUAL. ATTEMPTING TO FLY THIS OR ANY OTHER PARAGLIDER WITHOUT PROPER INSTRUCTION FROM A CERTIFIED PROFESSIONAL INSTRUCTOR IS EXTREMELY DANGEROUS TO YOURSELF AND BYSTANDERS.

DAVINCI GLIDERS are carefully manufactured and inspected at the factory. Please use the harnesses only as described in this manual.

Do not make any modifications to the harnesses.

As with any sport – without taking the necessary safety precautions, paragliding can be dangerous.

Introducing the Harmony passenger AIR

Technical specifications

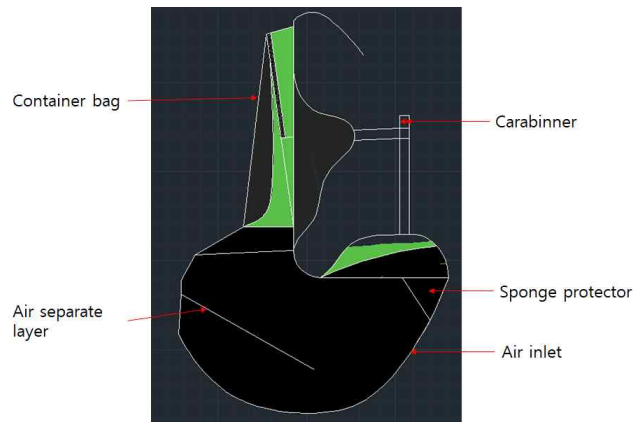
Size	One size
Back protection type	Airbag
Volume of Rescue Container	No rescue container
max/min container volume [cm ³]	12,000 / 7,460

Certification

The Harmony passenger AIR has EN and LTF certification, max load 110 kg

Components

- 1 Harness
- 2 25mm carabiners
- 3 Seat Plate



Features and Innovation

Velcro shoulder straps

Located on both shoulders straps of the passenger harness are Velcro strips and attachment loops. This allows an excellent position for flight instruments or a POV (point of view) camera mount.



Before you fly

Make sure your dealer has checked the harness for completeness and basic settings. Your harness must be assembled by a suitably qualified paragliding professional, for example, your instructor. Before your flight, you have to make sure the connection with the pilot and the glider using the spreader bar by carabiner.

Adjustments

Adjust your harness to suit your physique and flying style. It is important to adjust it correctly to ensure you can easily slide into the sitting position after take off. A poorly adjusted harness can adversely affect the flying characteristics of your paraglider.

Perform adjustments before your first flight by hanging in a simulator and fine-tune the settings if necessary during your first few flights.



(1) Shoulder straps

The optimum setting for the shoulder straps depends on the height of the passenger. Step into the harness and stand upright with the breast strap closed, symmetrically adjust the shoulder straps until they are a snug fit, but not tight.

To tighten: pull down on the grey webbing strap

To loosen: pull up on the BLACK webbing strap

(2) Lateral Straps

The lateral straps adjust the angle between the thighs and the back. Lengthening the straps increases the angle and vice-versa. The easiest way to adjust them correctly is during a flight in calm air. Remember that flying in the supine position (i.e. leaning back), reduces the stability of the harness and increases the risk of riser twists after a deflation.

To tighten, pull forward on BLACK and Grey webbing strap

To loosen, pull back on the BLACK webbing strap

(3) Leg straps

The correct adjustment of the leg straps allows the pilot to easily reach the sitting position after take-off without using his hands. Use the buckles to adjust the leg straps so that they fit comfortably without being tight; make sure you do it symmetrically. If you need to lengthen the leg straps, first check that the shoulder straps are not too tight.

(4) Chest Strap

The adjustment of the chest strap controls the distance between the carabiners and affects the handling and stability of the glider. Widening the distance between the carabiners increases feedback from the wing and allows for easier weight shifting. Closing the strap gives you a more stable feeling in turbulence but increases the risk of stable spiral and also the risk of twisting! The chest strap may also be adjusted in flight according to the conditions; for example, it may be tightened in turbulent air and flown at a looser setting in less turbulent or weak conditions.

To tighten, pull the black webbing strap to the left.

To loosen, pull the black webbing strap to the right.

Flying with the Harmony passenger AIR

General warnings and advice

Before every flight, check the following:

- Is your passenger in good physical and mental condition?
- Are you familiar and compliant with all applicable laws and regulations in your area?
- Are you briefed thoroughly about the site, airspace and expected weather conditions of the day?
- Is your equipment and choice of site suitable for your level of experience?
- Does your passenger have a suitable helmet, gloves, boots, eye-wear and adequate clothing?
- Is your passenger carrying some form of identification, so that people know who you are in case of an accident? Take along a radio and mobile phone if possible.

Pre-flight checks

As part of your normal pre-flight check routine, check:

- Is there any damage to the harness or carabiners that could affect its airworthiness?
- Are all buckles, belts, zips securely fastened? Buckles should click into place as you close them, and a gentle pull on the fastened buckle verifies this. Secure any zips after fastening the buckles. Take extra care in snowy or sandy environments.
- Is the paraglider connected correctly to the harness with both carabiners secured by their locking mechanisms?
- Are all pockets closed properly and any loose items tied down safely?
- Have you closed your leg and chest straps? Double check before you take off

Landing with the Harmony passenger AIR

Before landing, slide your legs forward in the harness so that you adopt the standing position. NEVER land in the seated position—it is very dangerous even if you have back protection.

Miscellaneous

Towing

This harness can be used for towed launches. The tow bridle release should be hooked directly to the main carabiners, ensuring that the carabiners are positioned with the opening bar facing the rear. For further details, refer to the documentation provided with your tow release, or ask a qualified towing instructor at your flying site.

Flying over water Water

landings should be avoided at all costs, as the back protection increases the risk of the pilot floating in a head-down position.

Maintenance and repairs

The materials used in this harness have been carefully selected for maximum durability. Nevertheless, keep your harness clean and airworthy to ensure the longest possible period of safe operation.

Care and maintenance

Don't drag your harness over rough or rocky ground. Avoid unnecessary exposure to UV rays, heat and humidity. Keep the folded harness in your rucksack when not in use.

Store all your equipment in a cool, dry place, and never put it away while damp or wet. Regularly clean off dirt with a plastic bristled brush and/or a damp cloth. If the harness gets exceptionally dirty, wash it with water and a mild soap. Make sure you first remove the entire sub-components. Allow the harness to dry naturally in a well ventilated area away from direct sunlight. Occasionally lubricate the zips and buckles with silicone spray, no more than once a year.

After a hard landing you must check your harness for damage.

Inspection checklist

Additional inspections should be performed after any crash, bad landing or take off, or if there are any signs of damage or undue wear. Always seek professional advice whenever in doubt.

The following checks should be carried out

Check all webbing, straps and buckles for wear and damage, especially the areas that are not easily seen, such as the inside of the carabiner hook-in points.

All sewing must be intact and any anomalies attended to immediately to avoid exacerbation of the problem.

The seat and back plates must be free from cracks.

The main aluminium carabiners must be replaced at least every 5 years or after 500 hours, whatever comes first. Impacts may create undetectable cracks that could result in structural failure under

continuous load.

Repairs

The manufacturer or an approved specialist should carry out any repair that involves critical parts of the harness. This will ensure that the correct materials and repair techniques are used.

Quality and service

We take pride in the quality of our products and are committed to putting right any problems affecting the safety or function of your equipment and which are attributable to manufacturing faults. Your Davinci dealer is your first point of contact if you have any problems with your equipment. If you are unable to contact your dealer or Davinci importer, contact Davinci gliders directly via our website.

Care of the environment

We are privileged to fly in areas of outstanding natural beauty. Respect and preserve nature by minimizing your impact on the environment. When visiting an area, contact the local club for details of environmentally sensitive areas and local restrictions.

When your paraglider eventually reaches the end of its useful life, dispose of it with consideration and follow any local regulations.

Material List for Harmony Passenger Air

List	Material
Fabric	OXFORD 210D PU
Webbing	NYLON-66 25mm / 30mm
Buckles	Quick lock buckle light Male/Female. T-lock for light QLB 1000
Thread.	630 D/9 Bonded, P/F 280 D/3 & 420 D/3 Bonded POLYESTER