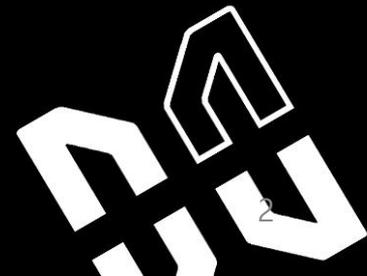


# **HARMONYAIR II** *passenger*

User manual

Rev 2  
FEB 2024



## Thank you

Thank you for choosing the Davinci HARMONY PASSENGER AIR2 harness.

This harness is for two passengers.

It is designed to effectively protect passengers from unexpected situations.

It has a variety of systems that are more advanced than previous our model. The belt position and seat position have been optimized so that passengers can easily sit down, and a 2-point buckle system has been applied to enable passengers to wear the equipment easily and stably. In addition, by applying an auxiliary webbing system for safety, a function has been added to protect passengers in case they forget to fasten their belts or do not fasten the buckle sufficiently.

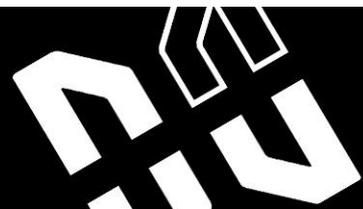
The harness is EN 1651 and LTF NfL II 91/09 certified, but not for paragliding.

It is a dangerous sport that can cause injury, disability, and even death.

We invest a lot of research and effort into reducing risks to our pilots.

Development. As a result, many of Davinci's innovative technologies, such as airbag protection systems and modern designs, are emerging.

We wish you a comfortable and safe flight with HARMONY PASSENGER AIR2.





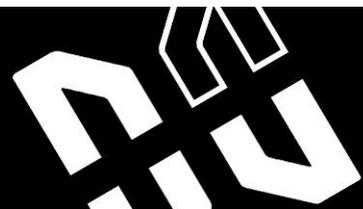
**WARNING!**

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.

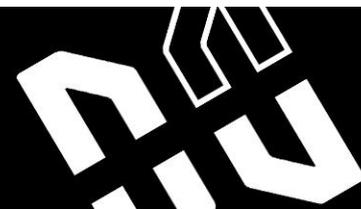
Do not make any modifications to the harnesses.

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



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## Introducing the Harness

Harmony Passenger AIR2	
Max weight (kg)	120
Board Width (mm)	340
Board Depth (mm)	360
Height of Suspension Point (mm)	430
Harness Weight (kg)	2.44
Back protection type	Airbag

### Certification

The HARMONY PASSENGER AIR2 has EN 1651 and LTF NfL II91/09 certification, max load 120 DaN



# Components and Features

## Components

- 1 Harness
- 2 30mm Al Carabiner
- 3 Honeycomb Seat Plate



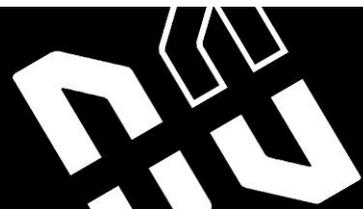
2. 30 mm Al-Karabiner



3. Honeycomb Seat Plate

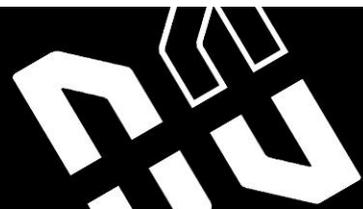


1. Harness



## Features and innovation

Velcro shoulder straps are 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.

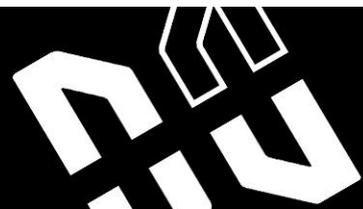


## Before you fly

Double check that your dealer has checked the integrity and basic settings of the harness. The harness should be assembled by appropriately qualified paragliding instructor.

- **Connecting the carabiner**

Before your flight, you have to make sure the connection with the Harness with the carabiner like this picture.

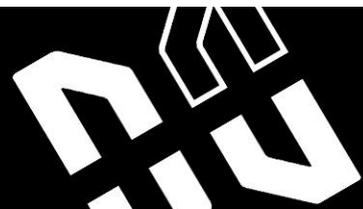


## Installing the seat plate

The seat plate can be removed and accessed on the back of the seat.

Disconnect the leg strap and pull it back to remove it. Place the leg straps on the back edge of the sheet when installing the seat plate. The seat plate must be installed with the rounded edge to the backward and the front curve facing downward.

# You have to check the leg straps pass the rounded edge like last picture



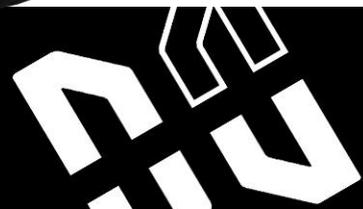
## Adjustments

Adjust your harness to fit your body type and flight style. It is important to adjust correctly so that you can slide easily into the sitting position after takeoff. A misaligned harness can negatively affect the flying characteristics of a paraglider.

Hang on the simulator to make adjustments before the first flight and fine the right settings if necessary during the first few flights.

-The **Anti-Forget Strap** mechanism is an auxiliary strap provided in case the pilot accidentally fails to fasten the passenger's strap. It works an auxiliary role in preventing the passenger from completely falling out of the harness when the main belt is not worn, and this STRAP is removable by the pilot's needs.

1. Shoulder straps
2. Lateral Straps
3. Chest Strap
4. Leg Straps
5. Anti-forget Strap (red)



## (1) Shoulder straps

The optimum setting for the shoulder straps depends on the height of the pilot. 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 BLACK webbing strap(1)

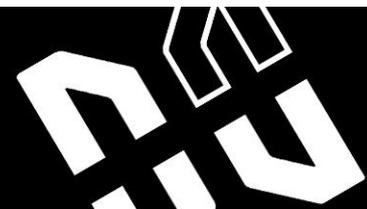
To loosen: pull up on the Black webbing strap(2)



## (2) Lateral Straps

The lateral strap can adjust the angle between the thigh and back. Increasing the strap increases the angle, and decreasing the angle. The most comfortable position for yourself is to adjust in flight from calm weather. The attitude of flying in a reclining position reduces the stability of the harness and increases the possibility of twist of the riser.

To tighten, pull forward on BLACK webbing strap(1)  
To loosen, pull back on the BLACK webbing strap(2)



### (3) 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.



## (4) Leg straps

The roots of the leg straps are positioned high, a characteristic of the Get-Up system, and this ensures great freedom of movement for the legs. Generally, the factory setting are correct. If it is difficult to enter the harness after launch, we suggest tightening the leg strap adjustment under the seat. This makes it easier for the pilot to enter the harness after launch without having to let go of the paraglider's control handles.



# Flying with the HARMONY PASSENGER AIR2

## General warnings and advice

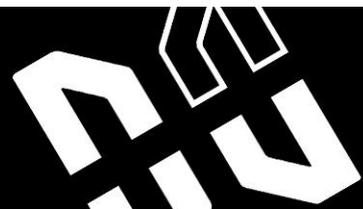
Before every flight, check the following

- Are you 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?
- Do you have a suitable helmet, gloves, boots, eye-wear and adequate clothing?
- Are you 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?



## Landing with the HARMONY PASSENGER AIR2

Before landing, slide your legs forward in the harness so that you adopt the standing position. AVOID land in the seated position—it is very dangerous even if you have back protection.

### Miscellaneous

#### Towing

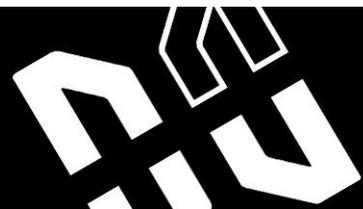
The HARMONY PASSENGER AIR2 can be used for towing launches. Towing bridge release requires the carabiner to hang directly into the main carabiner with the opening bar facing backwards. For more information, see the documentation provided with the tow release, or contact an authorized tow instructor on the flight site.

#### Flying over water

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

#### Installation of outer container

You can connect the outer container to the main carabiners with risers.



## Maintenance and repairs

The materials used in this harness are composed of the best materials to ensure durability. Nevertheless, in order to ensure the longest possible safe operation, keep the harness as clean and intact as possible.

## Care and maintenance

Don't draggle the HARMONY PASSENGER AIR2 on rough or rocky ground Avoid unnecessary exposure to UV, heat and moisture.

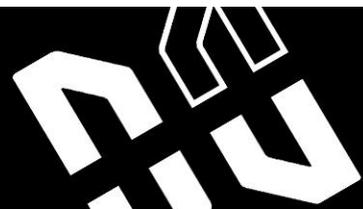
Store all equipment in a cool, dry place and never store them in wet or wet conditions.

Use a plastic brush and/or a damp cloth to wipe off dirt regularly. If there is unusually dirty, wash it with water and mild soap. First remove the entire subcomponent. Allow the harness to dry naturally in a well-ventilated area, away from direct sunlight. Sometimes lubricate the pinch and buckle at least once a year with a silicone spray. After hard and harness landing, the seat belt must be checked for damage and make sure the sand does not enter the buckle.

## Inspection checklist

The harness should be checked and rescue parachutes should be repacked at least every 6 months Additional inspections should be carried out after a collision, landing or take-off, or if there are signs of damage or excessive wear. Always find the instructor or dealer's advice in case of doubt.

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

A authorized by the Davinci Gliders must carry out all repairs related to the important part of the harness. This uses the correct material and repair techniques.

## Quality and service

We have great pride in the quality of the products produced and strive to correct all problems in the event of manufacturing defects that may affect the safety or function of the equipment. If there is a problem with the equipment, the Davinci dealer should be the first to contact you. If you are unable to contact the dealer or the importer of the Davinci, contact the Davinci Glider directly through our website ([www.flydavinci.com](http://www.flydavinci.com))

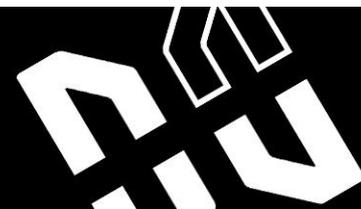
## Care of the environment

We have the privilege of flying, which is difficult for anyone to enjoy in outstanding nature. Try to respect and preserve nature with minimal environmental impact. When visiting a new area, contact your local club or team in advance for details on environmental concerns and regional limitations. At the end of the paraglider's life, discard it in consideration of it and follow local regulations



## Materials

Harness		Fabric code
Fabric	Outer	70D RB EXTREEMA R/S 210D Rip stop Nylon 1000D KODRA
	Inner	70D TAFFETA
Webbing		Nylon 25mm
Thread		210D/9, D/6 Bonded Polyester



# An attitude for altitude

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