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Getting Started

ADVANCE AXESS⁴

English

Welcome to ADVANCE

Thank you for choosing ADVANCE. We are one of the worldwide leading paraglider manufacturers, based in Switzerland. Since 1988 we have consistently followed our own plans and ideas for both development and production.

The AXESS 4 prides itself on its simple handling, combined with much passive safety and a compact shape. This is partly achieved by the use of an innovative Air-Foam Hybrid-Protector. This is lighter than a conventional foam protector, but offers

the same full protection. Protection function is now extended by SAS-TEC components at the sides and up the whole back area. These serve as defence against pointed objects and mild impacts.

We hope that the AXESS 4 will bring you many enjoyable hours in the air.

Getting Started

This guide gives you a brief look at using the AXESS 4, but it does not replace the manual which you can download from www.advance.ch/axess.

Register your AXESS 4 on www.advance.ch/warranty, and receive information about updates and safety-related topics for this product.



Delivery and basic settings

Every ADVANCE product has to be checked by the retailer before delivery for complete package contents and correct basic settings.

In the AXESS 4 delivery package:

- EN/LTF-certified Air-Foam Hybrid-Protector (removable)
- SAS-TEC side and back soft-foam protection (removable)
- Carbon seatboard
- Speed system with carbon speedbar
- 2 Edelrid ALIAS Alu carabiners
- Ronstan ball-bearing speed pulleys
- Reserve connection lines

- Reserve handle fixed to the four-flap inner container
- Getting Started booklet

Optional

- Foot rest
- Radio pocket for fixing on shoulder strap



Features in Detail



- 1 Air-Foam Hybrid-Protector
- 2 SAS-TEC Protection
- 3 2-buckle closure system
- 4 Adjustable upper body recline angle
- 5 Seatboard adjustment
- 6 Reserve compartment with labyrinth flaps
- 7 Reserve parachute supports
- 8 Fastenings for drink tube and mini vario
- 9 ALIAS carabiners and EASY CONNECT system
- 10 Pocket inside for drink container
- 11 Two side pockets: zip-up external (left), open net pocket (right)



Protectors

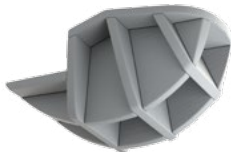
Air-Foam Hybrid-Protector

The Air-Foam Hybrid-Protector inflates automatically and is routinely ready to function within 60 seconds of the harness being unpacked from the paraglider rucksack.

It can be taken out of its housing under the seatboard for maintenance purposes. To ensure maximum lifespan the protector should not be left compressed for extended periods, and never stored wet.

SAS-TEC crash protection

In addition to the Air-Foam Hybrid-Protector the AXESS 4 has three innovative SAS-TEC crash and penetration defences to protect the pelvis and spine from impacts. These visco-elastic soft-foam parts are built into the sides and back sections, and can be removed if desired.



Easy Connect

The EASY CONNECT System makes clipping an ADVANCE paraglider to the harness quite straightforward. Make sure that the red and blue lines on the AXESS 4 support loops agree with the red and blue lines on the paraglider risers.



Balance Strap System

The Balance Strap System makes it easy to sit back in the harness after takeoff, and to stand up again before landing. As soon as the pilot bends the knees after takeoff he slides back into the seat automatically, without having to use the hands.

Before landing the pilot straightens the legs and pushes the hips forward. He will then automatically tip into an upright landing and running position. The Balance Strap System means his hands can stay on the brakes - another safety plus.

Adjusting the harness

All harnesses are delivered set to their basic settings. This is indicated on the shoulder, back and leg straps by markings sewn in white. To find your own perfect adjustment hang the harness up, put it on, close the chest strap and leg straps (2-buckle system) and start from the basic settings.

1. Back Straps

The relatively high-mounted back straps (at the sides) give good back support and take weight off the shoulders. Pulled-in back straps result in an upright position.

Completely loosened back straps put the pilot in a reclined position. ADVANCE recommend the basic setting.

2. Shoulder Straps

The shoulder straps can be adjusted for pilot height and desired sitting position. Pull them in until they sit loosely on the shoulders and apply light support, but without pressing on the shoulders.

3. Chest strap

The chest strap sets the distance between the main support loops (carabiners). The wider the chest strap is opened the more agile is the sitting position, and weight steering will have more effect. A closer

setting results in a quiet and damped ride in flight. The adjustment range is very large, and harness agility can be changed to any setting the pilot chooses to suit the conditions.

4. Leg straps

The leg straps should be symmetric and set to a length that allows freedom of movement for takeoff. This makes for a safe takeoff and means that the comfortable sitting position can be easily taken up after liftoff. The leg strap buckles are under the seat, which should be tipped forward for access. The buckles are directly under the back of the seatboard.

5. Seatboard

The seatboard angle can be quickly set to any position. This is a matter of pilot preference.

6. Setting the small chest strap

The small chest strap holds the shoulder straps in the best position for takeoff and landing. The width can be adjusted to any position.

i **Info:** All adjustments can be altered in flight, except for the leg straps.



Installing a reserve

Fitting a reserve into a harness must be done by a skilled person – your safety depends on it! The AXESS 4 manual explains the steps required in detail. Make sure that your reserve conforms to the volume range certified for your AXESS 4, Sizes S & M: 2.5 to 6.5 litres, Size L: 2.5 to 7 litres.

As a rough approximation you can use the reserve weight/volume factor (reserve weight in kgs x 2.7 = volume in litres).

Depending on packing technique and skill a reserve that conforms to the certified volume limits – if calculated by this formula – may still not release properly. In every case a personal test release (compatibility test) is the only way to make sure that a particular reserve will work with the AXESS 4.

! **Caution:** If the volume of the packed reserve lies within the upper third of the certified volume range, it is especially important to observe that the reserve has been correctly folded to conform to the length of the inner container.

! **Caution:** Use only the original reserve handle which is permanently attached to the inner container.



Packing made easy



When folding the AXESS 4 take care not to bend the back unnecessarily. First lie all the straps inside the harness, fold both SAS-TEC side panels inwards then fold the seat board over. Lay the harness, flat side of the back section uppermost, in the rucksack on top of your folded paraglider. Close the rucksack as usual. The Airbag compresses very small.

Using the foot stirrup

ADVANCE recommend the exclusive use of the optional AXESS 4 stirrup: it was intended for this harness and is the only version to feature in LTF 91/09 testing. Its attachment near the seatboard and the elastic retainers make it impossible for this component to interfere with a reserve opening. The AXESS 4 manual gives detailed fitting instructions.



Technical detail

| AXESS 4 | | S | M | L |
|-------------------------------------|----|--|----------|----------|
| Pilot height | cm | 155–172 | 165–183 | 178–202 |
| Seat width | cm | 34 | 35.5 | 37 |
| Seat depth | cm | 40 | 44 | 46 |
| Carabiner height | cm | 42 | 44 | 46 |
| Chest strap width | cm | 42–54 | 42–54 | 42–54 |
| Harness weight | kg | 3.7 | 3.9 | 4.1 |
| Weight speed system | kg | 0.08 | 0.08 | 0.08 |
| Harness and protector certification | | EN 1651 & LTF 91/09, 120 kg | | |
| Colours | | Anthrazit/Spectra Green Coffee Brown/Fusion Yellow | | |

Warranty & Service

Set up a MyADVANCE-Account on www.advance.ch/garantie and register your harness direct online after purchase. You will then benefit from the extended ADVANCE Warranty. This is valid for 3 years and covers defects that can be attributed to manufacturing faults.

In the MyADVANCE-Account you can find all the documentation for your harness as PDF, e. g. manual and other information. You can also look at spare parts for your product and ask ADVANCE support direct.

Your AXESS 4 should be regularly inspected, and have a check every 24 months. If damage is identified the harness should be taken straight away to an authorised Service Centre. You can find all the information about the worldwide ADVANCE Service Network on www.advance.ch.