

Getting Started

Many thanks for deciding on an ADVANCE quality product, complete with Swiss engineering.

Online Manual

This guide gives you a brief look at using the IMPRESS 4, but does not replace the manual. This is ready to download on www.advance.ch/download. You can also call up the Video guide by using the QR-Codes on the product itself, or in this document

Product Registration

Register your IMPRESS 4 in your MyADVANCE Account on www.advance.ch/warranty, and find out promptly by Email about updates and safety-relevant information.

Have fun

We wish you much rewarding experience with your IMPRESS 4 and many wonderful hours in the air!



Delivery Package

- COMFORTPACK 3 130 I
- Windshield with protective cover
- Detachable Cockpit
- Hook Knife
- Radio pocket for fixing on the main strap
- 2 Edelrid «Alias Speed» Carabiners
- Air intake with non-return-valve
- Certified foam protector
- Comfort foam in the back
- 4 SAS-TEC protector elements
- Carbon seatboard
- Anti-G pocket foam blank
- 30 mm Ronstan speed system pulleys
- Carbon foot plate
- Speed System
- 2 reserve container (left and right)
- 2 reserve connection lines (one fitted)
- Reserve compartment blank
- Blank reserve pins



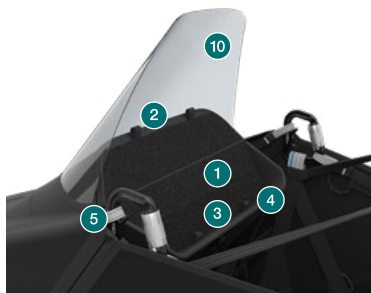
Features

- 1 Carabiner with lug for Speedbag loop
- 2 Drink tube guide (both sides)
- 3 Drink tube exit (middle)
- 4 Inner pocket for drink system
- 5 Reserve V-connection line channel with zip
- 6 Easy-release reserve system for 2 reserves
- 7 Anti-G-pocket
- 8 Mesh back surface
- 9 Self-inflating tail spoiler
- 10 Air intake for tail spoiler
- 11 Relief tube exit (left)
- 12 Ballast pocket





Cockpit



- 1 Instrument panel with Velcro surface
- 2 Fastening loops for instruments
- 3 Cable exit with cover
- 4 Hook Knife pocket
- 5 Edge zip for attaching to speedbag
- 6 Neoprene instrument cover
- 7 Buckle for attachment to front strap
- 8 Carrying handle
- 9 Battery pocket on the back
- 10 Windshield

Fitted



Detached



Ready to go

Windshield

Advantages

- The Windshield reduces windchill and upper body cooling.
- It suppresses distracting and tiring wind noise.

Fitting

- Fasten the popper on one side, then lead the windshield under the elastic border and fasten the second popper.

Care

- Never pack the harness with the windshield mounted. Take it off first.

- Pack the Windshield in its cover and store it flat, e.g. between the folds of the wing, so that it does not get bent.



Anti-G-Pocket



Simple to fit

An Anti-G drogue chute can be fastened to the green strap by a triangular Maillon, and be stowed in its pocket.

Deployed either side

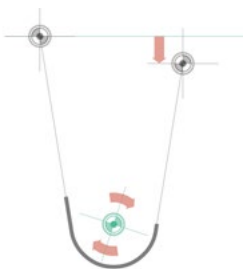
Two zips enable the Anti-G drogue chute to be thrown from either side.

Fitting the blank

When an Anti-G drogue chute is not carried, its pocket can be filled with the foam blank, or used for other storage.

With or Without Seatboard

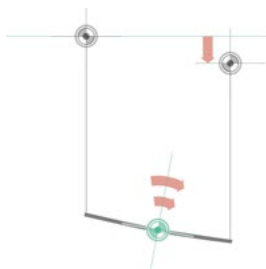
Without seatboard



Cruiser-Feeling

Pleasantly damped and smooth seat surface

With seatboard



Sports suspension-Feeling

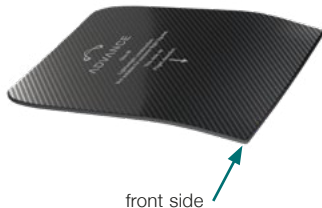
Direct response with good directional stability

You choose

The IMPRESS 4 can be flown with or without seatboard. When making the change the harness settings do not need substantial readjustment. If desired, mild readjustment can be easily made after flight. Without the seatboard the pilot is supported a little lower in the harness.

Fitting and removing

The seatboard can be removed or replaced from under the rear of the seat surface, and secured by Velcro.



Speedbag & Speedsystem

Closing the Speedbag

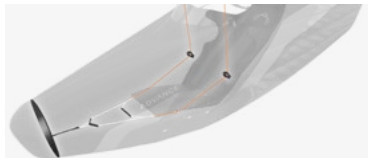
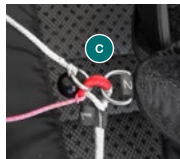
- a Close the front strap with both Cobra-buckles.
 - b Close the green Speedbag-buckle.
 - c Close the Closure Remember System (CRS) in 1-2-3 order.
 - d Fix the Cockpit to the front strap with its buckle (optional).
 - e Close the small chest strap.
- 2 Put one foot only into the first rung of the speed loop and leave the other foot on the footboard.
 - 3 Use the other foot when changing to the second rung of the speed loop.
 - 4 Make sure that your heels are not positioned lower than the bottom of the footboard, otherwise they could damage the speedbag fabric.

Getting into the Speedbag

- 1 Keep a forward-leaning attitude after liftoff, do not slide into harness yet.
- 2 After takeoff look quickly down at the Speedbag opening.
- 3 Put your right heel into the opening and tension the speedbag.
- 4 Now put your left leg into the Speedbag, then the right.
- 5 Stretch both legs out in front on the footboard, the Speedbag closes by itself.

Accelerating

- 1 Before flight set the speed lines to the correct length, so that you can use the whole range of the speed system.



Installing Reserves

Fitting one reserve

- a A single reserve is connected to the built-in connection line and can be installed for left or right throw. Choose the appropriate inner container.
- b The partition in the middle of the container can be moved by 4 cms (Velcro) in either direction to accommodate reserve size.
- c The empty side should be occupied by the foam blank supplied and closed with the dummy cables.

Fitting two reserves

- d The second reserve connection line (supplied) fastens to the shoulder area with the Maillons provided.
- e The two inner containers must occupy their correct sides of the reserve compartment. This arrangement must not be reversed.

Certified reserve volumes

S size: 3 – 5.5 ltrs / M size: 3 – 6 ltrs /

L Size: 3 – 6.5 ltrs

Approximate formula: Volume (l) =
Reserve weight (kg) x 2.7

Compatibility test is essential

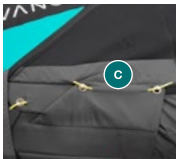
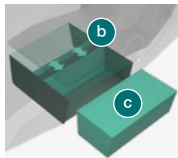
In every case the compatibility test carried

out by the pilot him/herself is the only way to prove that the whole system will work reliably.

! **Caution:** Installation of the reserve(s) must be carried out by a qualified person.

! **Caution:** Only use the original reserve handle and its attached inner container.

! **Caution:** Each harness size has its own inner container size, marked on its handle.



Video Tutorial
«Installing Reserves»

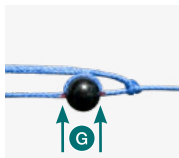
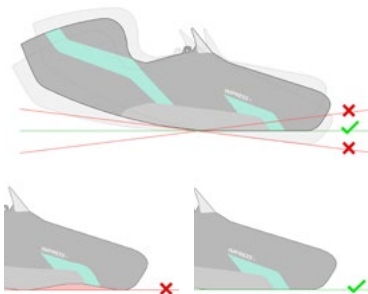
Harness Adjustment

General Information

- The procedure is the same, with or without seatboard.
- Most pilots with a typical upper body to leg length ratio require only small variations of the basic harness settings.
- Tune your adjustments in 2-cm (max) steps, bearing in mind the two fundamentals: comfort (no pressure points) and good aerodynamics (undersurface of speedbag horizontal in flight).
- Repeat the following steps until you are happy with the results, fine tuning after the first few flights if desired.

Preparation and basic settings

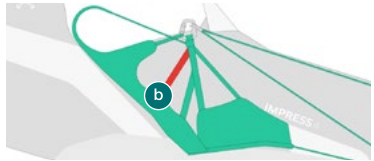
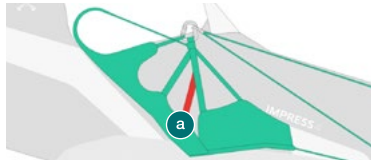
- Install your reserve before adjusting harness settings.
- Pack your rucksack in the back pocket.
- Set all straps to their basic settings (As Delivered). **G**
- Close harness and Speedbag and hang yourself (in the harness) up in a harness hanger.
- Ask an observer to assess the resulting inflight attitude.



Video Tutorial
«Gurtzeug einstellen»

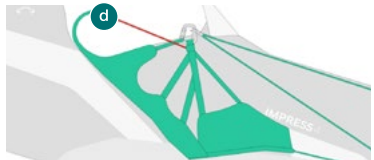
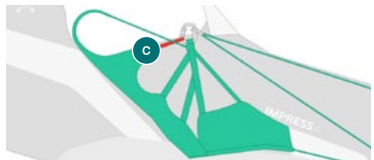
1. Position your body on the seatshell

- a If your centre of gravity is too far back (feet in the air) push it forward by pulling in the lower back straps – or vice versa.
 - b Then adjust the middle back straps (in or out) until your lower back (lumbar spine) is comfortably supported.
- A comfortably supported back without the feeling of straps under the armpits is a good indication of an ideal position in the seat shell.



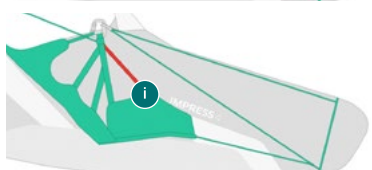
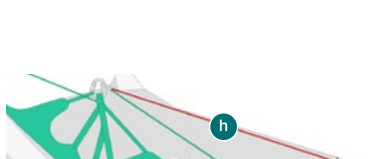
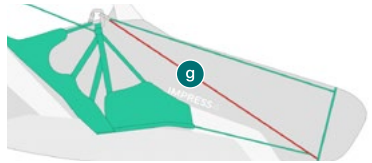
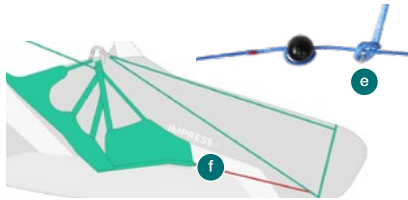
2. Setting the upper body recline angle

- c This angle is set by the upper back straps.
- d Now you should adjust the shoulder straps so that they lie loosely on the shoulders.



3. Aligning the Speedbag

- e To adjust a speedbag line loosen its anchor hitch and move the position of the ball.
- f Adjust speedbag length with the lower lines so that your legs apply light pressure when stretched.
- g Adjust Speedbag angle by the diagonal lines. Speedbag lower surface should fly as horizontal as possible.
- h Now adjust the angle of the footboard to suit your feet (toes) with the upper speedbag lines.



4. Seatboard/Seatshell setting

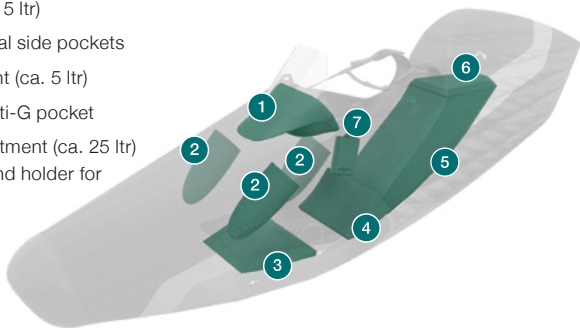
- i The thigh straps are correctly set when you feel comfortable thigh support from seatboard or seatshell.

5. Adjusting Front strap

- Set the front strap as you wish. It can be adjusted in flight.
- Use of the small chest strap is optional.

Pockets & Compartments

- 1 Cockpit pocket (ca. 5 ltr)
- 2 Three interior internal side pockets
- 3 Ballast compartment (ca. 5 ltr)
- 4 Straight-through Anti-G pocket
- 5 Large back compartment (ca. 25 ltr) with extra pocket and holder for drink systems
- 6 Top pocket
- 7 Radio pocket



Packing the Equipment



! Always take the Windshield off

! Open the cockpit attachment zip and press the instrument panel flat, or take the cockpit off completely.



Exchanging Parts

1 SAS-TEC-Back protection: Access by zip in top of back pocket.

2 Comfort foam: Access after removing SAS-TEC back protection – in same pocket.

3 SAS-TEC-Lumbar protection: Access by zip in centre of Anti-G pocket.

4 Certified foam protector: Access between seatboard and ballast pocket by U-shaped zip.

5 SAS-TEC-Side protection: Access to lower inboard edge, zip at seatboard level.

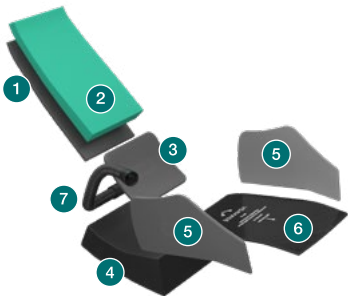
6 Seatboard: pulled out from lower rear end of seat shell, after releasing Velcro.

7 Air tube: Removal of the air tube and valve is described in the manual.

8 Foot plate: Access inside the Speedbag: Open Velcro.

9 Speed system: Unloop Brummel hooks and unthread speed lines. The elastic tensioner at the feet can be replaced separately.

10 Speedbag: Removed by opening the zips both sides, releasing the Velcro as well as taking the two loops from the main carabiners. Lower speedbag lines must also be released.



Hook Knife

The Hook Knife is stowed in a pocket under the Cockpit and secured by a line.

It is for use in an emergency e.g. water landing, tree landing or freeing yourself from a reserve, in other words to quickly separate yourself from your equipment.

The Hook Knife will cut through shoulder straps, front strap, lines, etc.



Warranty & Service

If you register your product on your MyADVANCE-Account within ten days of purchase you can benefit from the extended ADVANCE-Warranty. This is valid for three years for deficiencies attributable to manufacturing faults. Otherwise the warranty of your country applies.

In the MyADVANCE-Account you can find all the documentation for your harness as PDF, e.g. the manual, special information, safety updates and much more. There you

can also see spare parts for your product and contact Support with any queries.

Your IMPRESS 4 should have a thorough visual check every 24 months and be regularly inspected. Detected damage requires the harness to be immediately sent to an authorised service centre. You can find out more about the worldwide ADVANCE Service Network on www.advance.ch.

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ADVANCEIMPRESS⁴

English