



osprey.com

SOELDEN | SOPRIS PRO E2

AVALANCHE AIRBAG PACK



OSPREY / ALPRIDE E2 AIRBAG SYSTEM OWNER'S MANUAL

IMPORTANT!
READ CAREFULLY AND
KEEP THESE INSTRUCTIONS
FOR FUTURE REFERENCE.



WARNING

AVALANCHE TERRAIN

- THE INTENDED AND REASONABLY FORESEEABLE USE OF THIS BACKPACK IS SOLELY FOR ACTIVITIES THAT MAY EXPOSE THE USER TO RISK OF SNOW AVALANCHE. IT CANNOT BE USED IN WATER.
- THE OSPREY ALPRIDE E2 AIRBAG SYSTEM CANNOT PREVENT AVALANCHES FROM OCCURRING.
- THE OSPREY ALPRIDE E2 AIRBAG SYSTEM DOES NOT REPLACE CONVENTIONAL AVALANCHE RESCUE EQUIPMENT: TRANSCIVERS, SHOVELS AND PROBES SHOULD ALWAYS BE TAKEN ON OFF-PISTE TOURS.
- AVALANCHES ARE LIFE-THREATENING, NO MATTER WHAT EQUIPMENT IS DEPLOYED. UNDERSTAND AND ACCEPT THE RISKS INVOLVED BEFORE PARTICIPATING IN ACTIVITIES THAT MAY EXPOSE YOU TO AVALANCHE DANGER.
- USERS MUST NOT TAKE MORE RISKS SIMPLY BECAUSE THEY ARE WEARING AN OSPREY ALPRIDE E2 AIRBAG SYSTEM.
- USE OF AN OSPREY AVALANCHE BACKPACK IS NOT A GUARANTEE THAT TOTAL BURIAL IN SNOW WILL NOT OCCUR.
- OSPREY PACKS, INC. CANNOT BE HELD RESPONSIBLE FOR INJURIES CAUSED BY AN AVALANCHE INVOLVING AN OSPREY ALPRIDE E2 AIRBAG SYSTEM. YOU ARE RESPONSIBLE FOR YOUR OWN ACTIONS AND ASSUME THE RISKS OF YOUR DECISIONS.
- ACCIDENTS ARE BEST AVOIDED BY AVOIDING HAZARDOUS SITUATIONS. AVALANCHE EDUCATION IS ESSENTIAL BEFORE HEADING INTO AVALANCHE TERRAIN.



WARNING

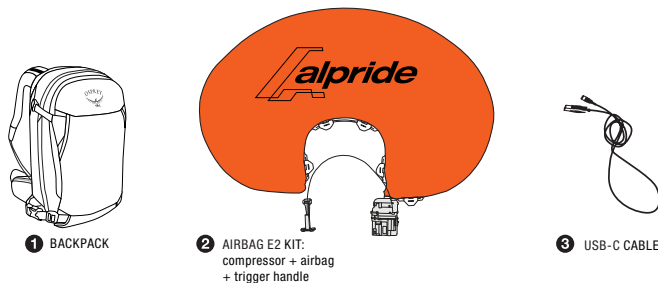
APPROPRIATE USE

- ALL SAFETY EQUIPMENT HAS ITS LIMITS. BEFORE USING THIS PRODUCT CAREFULLY READ AND FOLLOW ALL THE INSTRUCTIONS. FAILURE TO READ AND FOLLOW THE WARNINGS AND INSTRUCTIONS CAN RESULT IN SEVERE INJURY OR DEATH!
- IT IS CRITICAL THAT THE SYSTEM BE ARMED BEFORE ENTERING AVALANCHE TERRAIN.
- DO NOT SUBMERGE THE SYSTEM IN WATER.
- THE OSPREY ALPRIDE E2 AIRBAG SYSTEM REQUIRES CAREFUL HANDLING AND PROPER INSPECTION BEFORE EACH USE.
- THE OSPREY ALPRIDE E2 AIRBAG SYSTEM HAS TO STAY CLEAN ALL THE TIME. IN CASE OF A SPOILED INFLATOR SYSTEM, THE FUNCTION OF THE AIRBAG SYSTEM IS NOT GRANTED.
- DO NOT USE THE OSPREY ALPRIDE E2 AIRBAG SYSTEM WITH UNAUTHORIZED CARRYING SYSTEMS (BACKPACK, VEST, ETC.).
- WHEN PACKING THE AIRBAG MAKE SURE THAT NOTHING CAN TEAR OR DAMAGE THE AIRBAG, INFLATOR SYSTEM AND ITS FABRIC COVER. ALSO MAKE SURE THAT THE AIRBAG CAN OPEN UP FREELY.
- FOLD THE AIRBAG ACCORDING TO THE INSTRUCTIONS. IMPROPER FOLDING, ROLLING OR FOLDING THE BAG INHIBITS THE OPENING OF THE AIRBAG, CAN LEAD TO MALFUNCTIONING AND CAN DAMAGE THE BACKPACK.
- BE CAREFUL NOT TO ENDANGER OTHER PEOPLE WHEN PRACTICING THE ACTIVATION OF THE AIR-BAG.
- IN ORDER TO AVOID AN UNWANTED OR INADVERTENT ACTIVATION, WHERE OTHER PEOPLE COULD BE HARMED BY SUCH AN ACCIDENTAL ACTIVATION, IT IS RECOMMENDED THAT YOU STOW THE TRIGGER HANDLE IN THE SHOULDER STRAP SLEEVE WITH THE COVERED ZIPPER, ESPECIALLY ON CHAIRLIFTS, IN GONDOLAS, IN OR AROUND A HELICOPTER, THE BUS, TRAIN, AUTOMOBILE, ETC.
- THE OSPREY ALPRIDE E2 AIRBAG SYSTEM HAS NO INFLUENCE ON AVALANCHE BEACONS WHETHER POWERED ON OR OFF. THE ONLY TIME THERE POTENTIALLY COULD BE INTERFERENCE WITH BEACONS IS DURING INFLATION. AVALANCHE BEACONS ARE VERY SENSITIVE TO ELECTRICAL AND MAGNETIC INFLUENCES. TO MITIGATE ANY INTERFERENCE, CARRY THE BEACON ON THE FRONT SIDE OF YOUR BODY TO INCREASE THE DISTANCE BETWEEN THE ALPRIDE E2 COMPRESSOR AND THE BEACON.
- THE OSPREY ALPRIDE E2 AIRBAG SYSTEM CAN BE USED BY CHILDREN 8 YEARS AND UP AND PERSONS WITH REDUCED PHYSICAL, SENSORY OR MENTAL CAPABILITIES OR LACK OF EXPERIENCE AND KNOWLEDGE IF THEY HAVE BEEN GIVEN PROPER SUPERVISION OR SAFETY INSTRUCTIONS CONCERNING USE OF THE APPLIANCE AND UNDERSTAND THE HAZARDS INVOLVED WITH USE OF THE APPLIANCE.
- DO NOT MODIFY THIS PRODUCT IN ANY WAY.

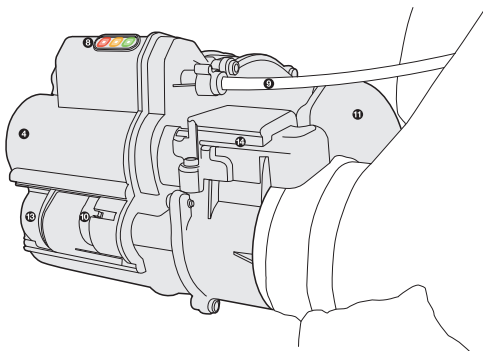
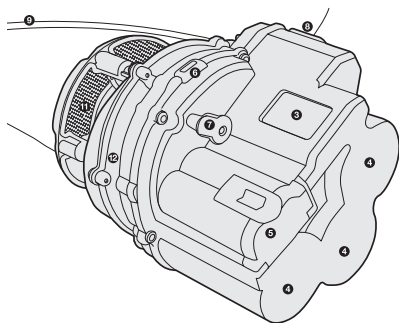
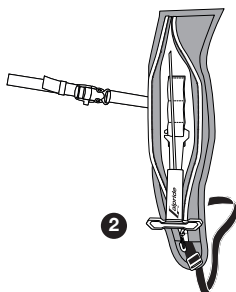
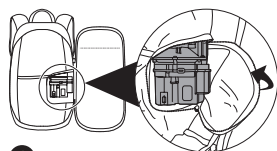
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DELIVERY



ALPRIDE E2 AIRBAG SYSTEM



LEGEND

- | | | | |
|---|--|----|---------------------------|
| 1 | AIRBAG COMPARTMENT | 8 | 3X LED |
| 2 | TRIGGER | 9 | TRIGGER CABLE |
| 3 | LCD DISPLAY | 10 | DEFLATION KNOB |
| 4 | SUPER CAPACITORS | 11 | AIR INLET |
| 5 | 2X AA BATTERY COMPARTMENT (BATTERIES NOT INCLUDED) | 12 | COMPRESSOR CASE AND WHEEL |
| 6 | USB-C PORT (CABLE INCLUDED) | 13 | DEFLATION BUTTON COVER |
| 7 | ON/OFF SWITCH | 14 | PRESSURE RELIEF VALVE |

SOELDEN / SOPRIS PRO PACK OVERVIEW



	SOELDEN PRO	SOPRIS PRO
SIZE	Men's One Size	Women's One Size
TORSO FIT RANGE	17-22"/43-56cm	14-19"/35.5-48cm
HIPBELT FIT RANGE	26-55" / 66-140cm	24-55"/ 61-140cm
VOLUME	34 L / 2075 cu in.	32 L / 1953 cu in.
USABLE VOLUME (w/ Alpride in pack)	32 L / 1953 cu in.	30 L / 1831 cu in.
PACK WEIGHT	3.50LB / 1.6KG	3.30LB / 1.50KG
ALPRIDE WEIGHT	2.82LB / 1.14KG	2.82LB / 1.14KG
TOTAL WEIGHT	6.35LB / 2.64KG	6.13LB / 2.54KG
DIMENSION	22 x 13 x 11" / 56 x 32 x 27 cm	21 x 13 x 11" / 54 x 32 x 27 cm

FEATURES

- + The Osprey Alpride E2 Electronic Avalanche Airbag Unit Included
- + Large front panel J-zip access to avalanche safety kit pocket with shovel handle and probe sleeves
- + Large U-zip access to main compartment
- + GPS/Radio internal carry with mic harness webbing attachment points
- + A-frame or diagonal ski carry
- + Vertical front panel snowboard carry
- + Internal zippered organisation pocket
- + Single-zippered hipbelt pocket / single hipbelt gear loop
- + Sled carry attachment loops
- + Dual position (front or top of pack) stow-away helmet carry
- + Secure ice tool carry sleeve and attachment point

FABRIC

Main	bluesign® Nanofly 100D Recycled Robic Nylon & UHMWPE
Bottom	420D Robic HD Nylon

CARRY

Suspension

- + 3.5mm steel frame
- + HDPE Framesheet with central HDPE stay
- + Maximum mobility without sacrificing load carrying capabilities

Backpanel

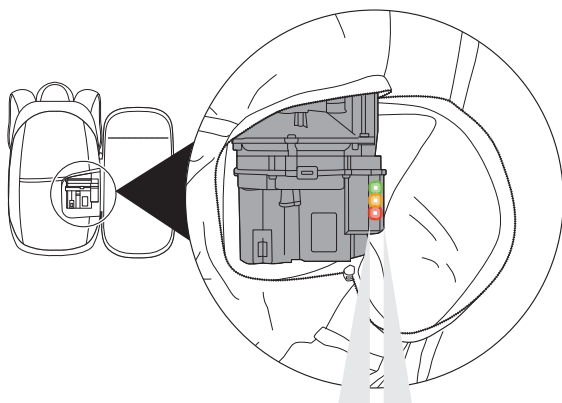
- + Thermoformed contoured, die cut EVA foam backpanel for lightweight, comfortable carry
- + Snow shedding material to reduce ice/snow buildup

Harness

- + Contoured die cut EVA foam for lightweight, stable and comfortable fit
- + Airbag handle attachment points
- + Adjustable sternum strap with safety whistle
- + Gender-specific shaping for optimal fit

Hipbelt

- + Adjustable 25mm webbing with EVA foam padded stabilizing hipwings
- + Aluminum safety buckle closure and tuckaway leg loop required for avalanche terrain
- + Gender-specific shaping for optimal fit



1  / 3s ✓ > 6h

4  / s ✓ < 6h

4  / s  

 + 2  / s 



1  / 10s ✓ > 6h

1  / 10s ✓ < 6h

1  / 10s  



1 INTRODUCTION

Congratulations on your purchase of the OSPREY ALPRIDE E2 AIRBAG System.

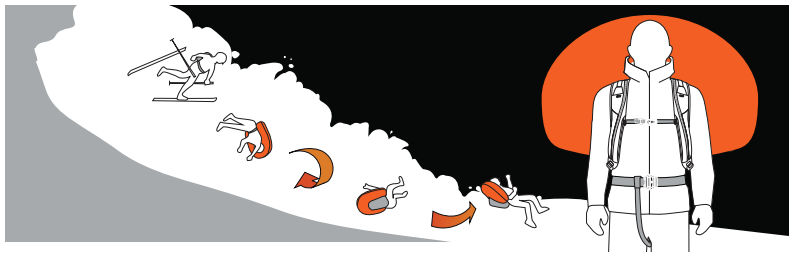
This manual provides you with information about the function and use of the OSPREY ALPRIDE E2 AIRBAG System. It applies to every out of bounds snow sport enthusiast.

Please read this manual carefully before you use the device. Pay special attention to the warning notices and strictly adhere to the information within the user manual. In order to be able to easily consult this user manual we suggest that you keep it in a convenient location.

The OSPREY ALPRIDE E2 AIRBAG System is emergency equipment, which under certain conditions can prevent a total burial if activated. It cannot prevent the release of an avalanche. An element of deadly risk remains even if the user doesn't get buried. Every avalanche is absolutely life threatening regardless of any equipment in use. Therefore the OSPREY ALPRIDE E2 AIRBAG System should not encourage you to take greater risks.

In the event of an avalanche, the user must tug on the trigger handle in order to activate the inflation: this inflates the 162 litres avalanche airbag within 3 seconds.

The OSPREY ALPRIDE E2 AIRBAG System concept is based on the physical principle of inverse segregation. This is a phenomenon whereby, given a uniformly moving mass of particles, the smaller particles sink downwards and the larger ones float to the surface. The inflated airbag increases the victim's volume and greatly amplifies this inverse segregation effect. The avalanche backpack helps prevent total burial in the snow. The airbag's shape protects the back and the head of the user. Moreover, the rounded shape gives optimal float efficiency on the avalanche and the bright airbag color helps rapid localization.



The OSPREY ALPRIDE E2 AIRBAG System is certified by TÜV Süd (Daimlerstr. 11, 85748 Garching bei München, Germany) to meet the requirements of the EU regulation (EU 2016 / 425).

2 WARNING & APPROPRIATE USE

- + ALL SAFETY EQUIPMENT HAS ITS LIMITS. CAREFULLY READ AND FOLLOW ALL THE INSTRUCTIONS.
- + THE INTENDED AND REASONABLY FORESEEABLE USE OF THIS BACKPACK IS SOLELY: SKIING, SNOWBOARDING, SNOWSHOEING. IT CANNOT BE USED IN WATER.
- + DO NOT SUBMERGE THE SYSTEM IN WATER.
- + THE OSPREY ALPRIDE E2 AIRBAG SYSTEM CANNOT PREVENT AVALANCHES FROM OCCURRING.
- + AVALANCHES ARE LIFE-THREATENING, NO MATTER WHAT EQUIPMENT IS DEPLOYED.
- + USERS MUST NOT TAKE MORE RISKS SIMPLY BECAUSE THEY ARE WEARING A THE OSPREY ALPRIDE E2 AIRBAG SYSTEM.
- + USE OF A AVALANCHE BACKPACK IS NO GUARANTEE THAT TOTAL BURIAL IN SNOW WILL NOT OCCUR.
- + THE OSPREY ALPRIDE E2 AIRBAG SYSTEM REQUIRES CAREFUL HANDLING AND PROPER INSPECTION BEFORE EACH USE.
- + WHEN PACKING THE AIRBAGS MAKE SURE THAT NOTHING CAN TEAR OR DAMAGE THE AIRBAG, INFLATOR SYSTEM AND ITS FABRIC COVER. ALSO MAKE SURE THAT THE AIRBAG CAN OPEN UP FREELY.
- + FOLD THE AIRBAG ACCORDING TO THE INSTRUCTIONS. IMPROPER FOLDING INHIBITS THE OPENING OF THE AIRBAG WHICH CAN LEAD TO MALFUNCTIONING AND CAN DAMAGE THE BACKPACK.
- + ALPRIDE SA CANNOT BE HELD RESPONSIBLE FOR INJURIES CAUSED BY AN AVALANCHE INVOLVING ITS THE OSPREY ALPRIDE E2 AIRBAG SYSTEM.
- + HAZARD IS BEST AVOIDED BY AVOIDING HAZARDOUS SITUATIONS.
- + KEEP CHILDREN AWAY FROM THE THE OSPREY ALPRIDE E2 AIRBAG SYSTEM.
- + BE CAREFUL NOT TO ENDANGER OTHER PEOPLE WHEN PRACTICING THE ACTIVATION OF THE AIR-BAG.



- + IN ORDER TO AVOID AN UNWANTED OR INADVERTENT ACTIVATION WHERE OTHER PEOPLE COULD BE HARMED BY SUCH AN ACCIDENTAL ACTIVATION, IT IS RECOMMENDED THAT YOU STOW THE TRIGGER HANDLE IN THE SHOULDER STRAP SLEEVE WITH THE COVERED ZIPPER, ESPECIALLY ON CHAIRLIFTS, IN GONDOLAS, IN OR AROUND A HELICOPTER, THE BUS, TRAIN, AUTOMOBILE, ETC.
- + THE OSPREY ALPRIDE E2 AIRBAG SYSTEM DOES NOT REPLACE CONVENTIONAL AVALANCHE RESCUE EQUIPMENT: TRANSCEIVERS, SHOVELS AND PROBES SHOULD ALWAYS BE TAKEN ON OFF-PISTE TOURS.
- + THE OSPREY ALPRIDE E2 AIRBAG SYSTEM HAS TO STAY CLEAN ALL TIME. IN CASE OF A SPOILED INFLATOR SYSTEM, THE FUNCTION OF THE AIRBAG SYSTEM IS NOT GRANTED.
- + DO NOT USE THE OSPREY ALPRIDE E2 AIRBAG SYSTEM WITH UNAUTHORIZED CARRYING SYSTEMS (BACKPACK, VEST, ETC.).
- + THE OSPREY ALPRIDE E2 AIRBAG SYSTEM IS ON OR OFF, IT HAS NO INFLUENCE ON AVALANCHE BEACONS. WHEN IT IS INFLATING IT COULD INTERFERE WITH BEACONS. AVALANCHE BEACONS ARE VERY SENSITIVE TO ELECTRICAL AND MAGNETIC INFLUENCES. TO MITIGATE ANY INTERFERENCE, CARRY THE BEACON ON THE FRONT SIDE OF YOUR BODY TO INCREASE THE DISTANCE BETWEEN THE ALPRIDE E2 COMPRESSOR AND THE BEACON.
- + THIS APPLIANCE CAN BE USED BY CHILDREN AGED FROM 8 YEARS AND ABOVE AND PERSONS WITH REDUCED PHYSICAL, SENSORY OR MENTAL CAPABILITIES OR LACK OF EXPERIENCE AND KNOWLEDGE IF THEY HAVE BEEN GIVEN SUPERVISION OR INSTRUCTION CONCERNING USE OF THE APPLIANCE IN A SAFE WAY AND UNDERSTAND THE HAZARDS INVOLVED.
- + CHILDREN SHALL NOT PLAY WITH THE APPLIANCE.
- + CLEANING AND USER MAINTENANCE SHALL NOT BE MADE BY CHILDREN WITHOUT SUPERVISION.

3

ALPRIDE E2 SUPERCAP

SUPERCAPACITORS

The OSPREY ALPRIDE E2 AIRBAG System is the first avalanche airbag that does not use lithium-ion or lithium polymer batteries to fuel the compressor's electric motor.

The OSPREY ALPRIDE E2 AIRBAG System uses its SuperCapacitors to store energy in the form of an electrostatic field. Unlike traditional batteries, there is no need to create a chemical reaction to generate energy, allowing the OSPREY ALPRIDE E2 AIRBAG System to release its power faster.

The E2's SuperCapacitors offer several advantages over batteries. They are not sensitive to changes in temperature, delivering the same performance at -30 degrees C and +50 degrees C. This saves weight because, unlike batteries, there is no need to boost the SuperCapacitors to guarantee outstanding performance at low temperatures.

While batteries tend to wear out after repeated charges, the SuperCapacitors stay strong. They are guaranteed for 500,000 charging cycles with a nearly infinite lifespan, clearly superior to the 3- to 5-year lifespan of the average battery. What's more, the SuperCapacitors are considered passive electronic elements, like cameras for example, so there are no restrictions to travel, shipping or storage. This is a major advantage over traditional batteries and compressed gas cartridge systems.

THE RADIAL COMPRESSOR

The OSPREY ALPRIDE E2 AIRBAG System uses a radial compressor, similar to turbo compressors found in cars. This design allows for high-speed air flow and inflation pressure equal to compressed air cartridge avalanche airbag systems.

AA BATTERIES

The E2 SuperCap System uses two AA batteries for two primary purposes:

- 1- to recharge the SuperCapacitors
- 2- to guarantee that the SuperCapacitors keep their full power, compensating for their slow loss of charge and ensuring several months of autonomy (see the section on autonomy).

NOTE: Only alkaline or lithium (AA batteries) should be used (for quick recharging at very low temperatures).

Use brand new, premium quality Alkaline AA / LR6 batteries.

Do not use AA zinc carbon batteries and NiCd or NiMH accumulators (rechargeable). These are often not strong enough to sufficiently charge the SuperCapacitors.

Depending on the AA batteries technology, recharge and autonomy can vary:

- Alkaline batteries:
 - are capable of 1 recharge OR 3 months autonomy of normal use (1.5 month if constantly on).
 - it is strongly recommended to change the batteries after 1 recharge of the system (after inflation).
- Lithium batteries:
 - are capable of 3 recharge OR 5 months autonomy of normal use (3 months if constantly on).
 - it is strongly recommended to change the batteries after 3 recharges of the system (after inflation).

MICRO USB-C PORT

The micro-USB-C port (5V – 3A) makes it possible to recharge the SuperCapacitors using the USB-C / micro-USB-C cable provided.

Charging can be completed with a standard USB-C charger (not included), like those used for cell phones. Recharging the SuperCapacitors with the micro-USB-C cable takes priority over recharging via the 2 AA batteries.

The SuperCapacitors can be recharged with the micro-USB-C cable even in the absence of the AA batteries.

4 ON / OFF AND AUTO-TEST

To turn on the OSPREY ALPRIDE E2 AIRBAG System, use the ON / OFF switch. This safety switch prevents undesired activation inside the bag. Pull the switch up, turn it clockwise and hold for 2 seconds.

Each time it is turned on, the OSPREY ALPRIDE E2 AIRBAG System conducts an auto-test to verify that the motor, SuperCapacitors and electronics are functioning properly.

During this self-test, the 3 LEDs light up chronologically to check that the LEDs are functioning. Simultaneously, the LCD display blinks to check that the LCD display is working properly and all icons are visible.

- ➊ During this auto-test, the motor completes a first rotation at low speed, switching on the green LED.
- ➋ If the auto-test is successfully completed, the motor rotates a second time and the green / orange LED will blink
>The system is ready for use.
- ➌ If the auto-test detects a malfunction, the motor will rotate 4x and the red LED will remain on. The red LED light identifies there is a problem in the system and it is not operational.
- ➍ If the system detects a malfunction and it is charging, the red LED will remain on and the orange LED will blink rapidly.

If there is a failure during the self-test, the following icon will be displayed on the LCD: 

To turn the system OFF, pull the switch and turn it clockwise (same procedure as for turning ON). The motor will rotate 1 x and the red LED will turn on and off again to indicate that the system has shut down.

NOTE: The LED blinking speed indicates that the system is either charging (2 x per second) or in standard ON mode (1 x every 3 seconds).

TERRAIN USE AND LED STATUSES

To use the E2 System on terrain, you will need to:

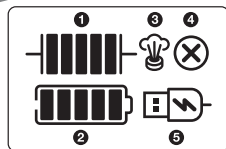
- 1- Turn ON the E2 System (see section 5)
- 2- Verify that the auto-test is okay (see section 5)

- ➊ If the green LED blinks, the system is operational with at least six hours of autonomy.
- ➋ If the orange LED blinks, the system is operational with less than six hours of autonomy.
- ➌ If the red LED blinks, the system cannot guarantee 100% inflation (but it will still attempt to inflate the airbag as much as possible).
- ➍ If the red LED remains on, the system is defective and should not be used.

NOTE: The LED blinking speed indicates that the system is either charging (4 x per second) or in standard ON mode (1 x every 10 seconds).

To activate the airbag inflation, pull hard (between 5 to 10 kg) on the activation trigger.

5 LCD DISPLAY



- ➊ SuperCapacitor charge level
- ➋ AA battery power level: if the batteries are missing or completely empty, the icon blinks to indicate that batteries need to be changed or installed.
- ➌ Displays when the pressure relief valve is triggered
- ➍ Displays if the self-test is not functioning
- ➎ Displays when the USB-C cable is connected and powered

6 PRESSURE RELIEF VALVE

The pressure relief valve is a solenoid-type electric valve and is active 3 minutes after the end of inflation for a maximum of 10 minutes or less depending on the residual energy in the batteries or SuperCapacitors. It will then close automatically.

As soon as the valve is activated, the following icon appears on the LCD display: 

The purpose of this valve is to reduce the airbag pressure 3 minutes after inflation. This is to reduce the stress on the seams and fabric of the airbag, ensuring a longer lifespan inflation after inflation.

The pressure relief valve also allows passive and partial deflation of the airbag by reducing its pressure but does not allow complete deflation of the airbag.

The operation of the pressure relief valve is controlled 3x during each self-test and can be clearly heard from the characteristic ticking noise (like a Swiss watch)

7 AIRBAG INFLATION

- + In the event of an avalanche, pull hard (between 5 to 10 kg) on the activation trigger. The airbag will inflate in 3-4 seconds.
- + The compressor will operate for 5 seconds and then stop.
- + The airbag will remain inflated for a minimum of three minutes, then the pressure relief valve will be activated, and a passive and partial deflation of the airbag will take place.
- + Once inflation is complete, the SuperCapacitors will automatically recharge thanks to the two AA batteries if installed (see section 4)

NOTE: In compliance with the EN 16716 standard "Certification of Avalanche Airbags", the airbag must remain inflated for a minimum of three minutes. An avalanche airbag is not a life vest; therefore, it is normal that it does not remain inflated at full pressure for more than three minutes.

HANDLING DURING AVALANCHE INCIDENT

In the event of an avalanche, always try to reach a place of safety or escape from the path of the snowslip. If in the path, try also to remove your skis or snowboard, as these have an anchoring effect in an avalanche. Once the avalanche appears to be losing momentum, close your mouth and hold your arms in front of your face to create a life-saving air pocket. Once the avalanche has stopped moving and you can extract yourself, do not remove the airbag and help others. Only remove when you are confident there is no more risk of a second avalanche.




8 CHARGE AND STATUS OF THE SYSTEM

RECHARGING THE SUPERCAPACITORS

There are two ways to recharge the SuperCapacitors:

- 1- Insert the two AA batteries (not included). The SuperCapacitors will be automatically recharged once the batteries are in place. Depending on the type of batteries and the temperature, charging takes 40-80 minutes.
- 2- Use the micro-USB-C port and the standard micro-USB-C cable (provided). The USB-C port can be connected to a standard charger (not included), like those used for cell phones, or to a standard power bank. Depending on the type of charger or power bank, charging takes 20-40 minutes. The charging status is indicated by the rapid blinking of the LEDs (2 x per second).

The level of charge is indicated by the LED colour.

-  Red: low charge – the charge level cannot guarantee full inflation of the airbag (but it will still attempt to inflate the airbag as much as possible)
-  Orange: medium charge – the charge level guarantees 100% inflation of the airbag but with less than six hours of autonomy.
-  Green: charging is complete – the LED blinks slowly (1 x every 3 seconds).


NOTE:


- Before the first use, charge the system with the USB-C port. After prolonged storage without batteries (e.g., over the summer or a new system), charging the SuperCapacitors will take longer than after inflation. After inflation there is still energy in the SuperCapacitors, but after prolonged storage without batteries, the SuperCapacitors will be completely empty.
- Charging with the USB-C cable takes priority over the batteries. If the batteries are in place and the cable is connected, charging will be carried out via the cable without draining the batteries.
- Charging is also possible without batteries using the USB-C cable.
- If the system is charging in OFF mode, The LED will blink but the system will remain in OFF.
- The system recharges automatically. If the airbag is inflated, the system will begin to recharge on the batteries or the USB-C port immediately.
- 2 AA batteries allow for 1-2 recharging cycles of the SuperCapacitors (depending on the quality of the batteries used and the charging temperature).


WARNING: Do not leave the USB-C cable connected while using the E2 System in the terrain. After charging is complete, remove the USB-C cable.




SUMMARY OF LED STATUSES




 / 3s Green LED blinking slowly (1 x per 3 seconds)
→ The E1 System is charged (> 6h)


 / s Orange LED blinking rapidly
→ The E1 System is charging and operational with less than six hours of autonomy.


 / s Red LED blinking rapidly → The E2 System is charging and not operational; the charge level cannot guarantee full inflation of the airbag



 +
 / s Red LED is permanently on and the orange LED is blinking rapidly →  The E2 System is defective because the auto-test has detected a malfunction; the system is charging but it is not operational.



 / 10s Green LED blinking slowly (1 x per 10 seconds)
→ The E1 System is charged (> 6h).

 / 10s Orange LED blinking rapidly
→ The E1 System is operational with less than six hours of autonomy.

 / 10s Red LED blinking rapidly → The E2 System is not operational; the charge level cannot guarantee full inflation of the airbag

 Red LED is permanently on →  The E2 System is defective because the auto-test has detected a malfunction; the system is not operational.

AUTONOMY OF THE OSPREY ALPRIDE E2 AIRBAG SYSTEM SYSTEM

The system's autonomy depends on the quality and energy of the AA batteries and the frequency and duration of use in ON or OFF mode. The times listed below assume the use of high-quality alkaline batteries:

- Approx. 2-3 months of autonomy with two new AA alkaline batteries not including recharge of the SuperCapacitors (new batteries inserted after recharging the SuperCapacitors)
- The system can be used without additional AA batteries. However we strongly suggest to always use it with the batteries to ensure extended autonomy.

NOTE:

- If the system is charged with the USB-C and used without batteries, it will only have a maximum autonomy of 12 to 24 hours, which is perfectly normal because the AA batteries ensure the autonomy of the E2.

9 DEFLATING AND RE-FOLDING THE AIRBAG SYSTEM

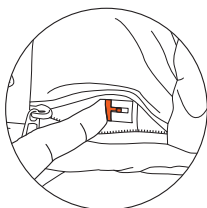
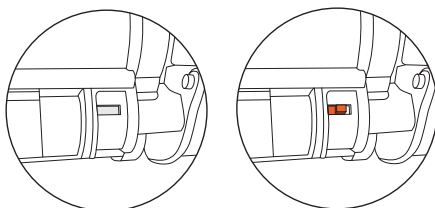
The airbag should be deflated using the airbag's draining knob. Lift the safety cover of the deflation button and press the button to deflate the airbag. Once the airbag is deflated, the springs on the safety cover automatically close it. To fold the airbag, see the folding scheme.

WARNING: The deflation button is equipped with an orange indicator to ensure that the deflation button has returned to the upper position and thus does not keep the non return valve in the deflation position.

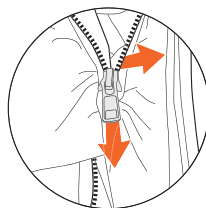
If the orange indicator is visible, this means that the deflation button has not returned to the initial position and could keep the check valve open. In this case, check that snow or ice is not blocking the deflation button in the pressed position.

Do not use the E2 System if the deflation button is jammed (orange indicator visible).

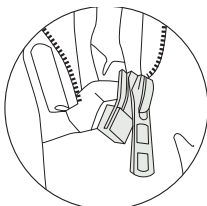
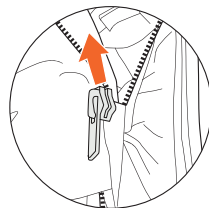
After each deflation, check that the orange indicator is not visible.



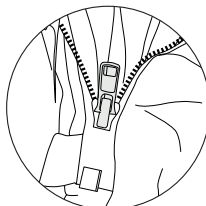
1 Deflate the airbag by pressing the deflation button



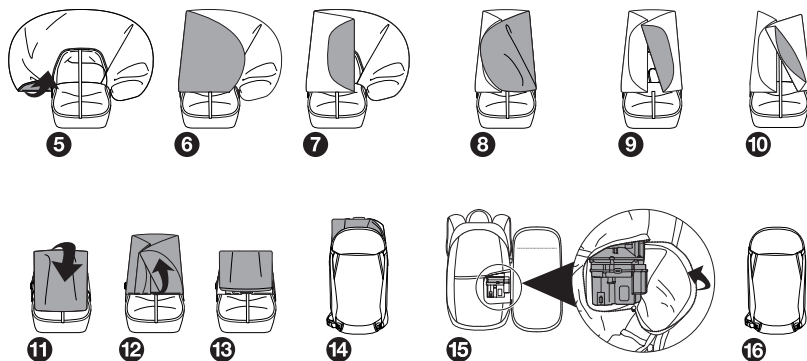
2 If necessary, separate the slider from the zipper by pulling the slider down and the other half of the zipper to the side.



3 Bring the slider to the beginning of the zipper



4 Assemble the two parts of the zipper



Folding Complete

WARNING



**DO NOT TWIST
THE AIRBAG**



**DO NOT CROSS
THE HOOKS**



**DO NOT ROLL
THE AIRBAG**



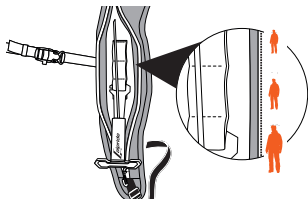
**DO NOT BLOCK
THE AIRBAG**

WARNING The compressor compartment must remain closed to prevent objects from being sucked into the compressor and blocking inflation of the airbag.

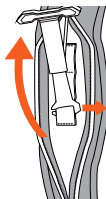
WARNING It is imperative that nothing blocks the zipper or hook-and-loop fastener for the airbag to fully deploy.

WARNING Do not pack airbag behind the support straps within airbag pocket.

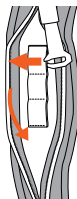
WARNING Do not strap anything across the airbag pocket.

HOW TO ADJUST THE TRIGGER HANDLE

- 1** Adjust the height of the trigger handle on the shoulder strap. There are three different settings. The trigger handle should ideally be at chest height.



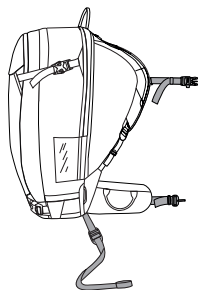
- 2** Turn up the trigger handle to change the height position



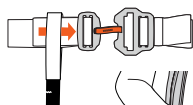
- 3** Then slide the trigger handle out of the webbing loop accordingly and slide it back into the correct height.

Always fasten hipbelt, sternum strap and leg loop. Osprey Alpride E2 Airbag System will only be of use to you if the backpack stays on your body during an emergency!

WARNING: Do not use the Osprey Alpride E2 Airbag System without the pack's leg loop engaged.

**STERNUM BUCKLE (see #5 on next page)****HIPBELT BUCKLE (see #2 on next page)****LEG LOOP (see #1 on next page)**

PACK FIT



1 LEG LOOP

Put the pack on and bring the leg strap from behind between the legs and to the front of the body. Thread one side of the hipbelt buckle through the loop at the end of the leg loop.



2 HIPBELT

With the leg loop threaded onto the hipbelt, engage the hipbelt buckle. Tighten the hipbelt snugly and evenly over the top of the hipbone. Use triglide to lock webbing securely. The majority of the weight of the pack should rest on the hipbones.



3 TIGHTEN HARNESS

Tighten the shoulder harness straps to tension by pulling down and back. Use triglide to lock webbing securely.



4 TIGHTEN LOAD LIFTERS

Tighten the load lifters to tension by pulling them up and forward.



5 STERNUM BUCKLE

Buckle and tighten the sternum strap to tension.

Osprey Packs, Inc. shall not be liable for any damages and losses due to incorrect set up, incorrect fitting or incorrect adjustments.

11 MAINTENANCE INSTRUCTIONS

REGULAR CHECK

Your Osprey ALPRIDE avalanche backpack requires no maintenance but the following points have to be observed:

- 1- Deploy the airbag before the new season starts or at least once a year or after the backpack has been exposed to moisture / wet weather. Check its condition, allow it to dry and fold it back together again.
- 2- Pack the airbag away only when it is completely dry.
- 3- Prior to every outing, check all the points described in this user manual and inspect the condition of the system's safety straps and fastenings.

Practice deploying the airbag so you have a feel for the amount of force you need to apply. In the event of a real avalanche, you will then be able to deploy it correctly and intuitively.

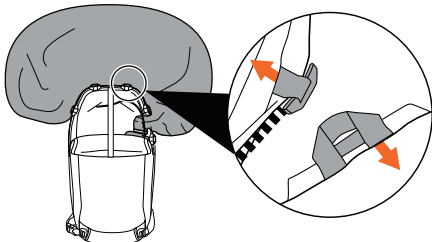
POST-AVALANCHE CHECK

Every deployment of the Osprey Alpride E2 Airbag System can negatively affect the material of the airbag. Often damage is not visible to the naked eye. After deployment of the airbag in an avalanche, contact Alpride to discuss the need for further inspection or replacement. Contact details for Alpride can be found at www.alpride.com.

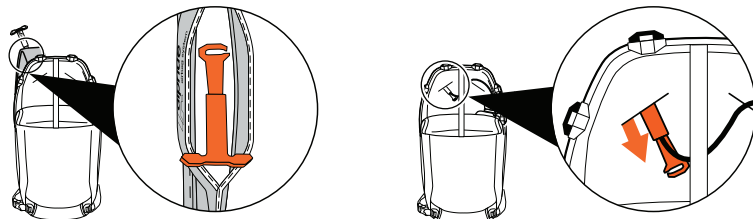
If the pack cannot be sent for inspection by Alpride, it is recommended that the following points are checked.

- Check the airbags visually for punctures.
- Check the airbag fastening straps and anchor hooks for tears.
- Check the harness, hipbelt and sternum straps as well as the seams for tears.
- Check all buckles (adjustment buckles at the harness, hipbelt and sternum strap).
- Check all buckles as well as the leg loop for tears and deformation.

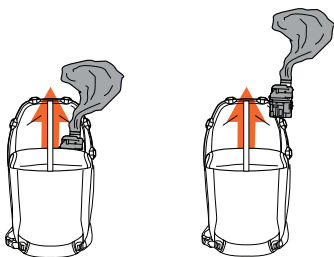
HOW TO REMOVE THE DETACHABLE AIRBAG SYSTEM



- 1 Turn off the system, open the zipper on the airbag and unhook the 5 hooks.

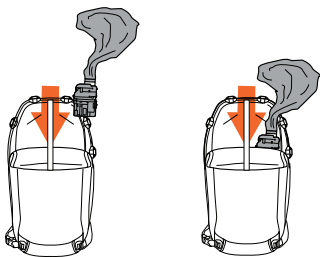


- 2 Open the backpack and the strap pocket. Detach the trigger handle. Remove the trigger handle through the opening between the shoulder strap and the airbag compartment.

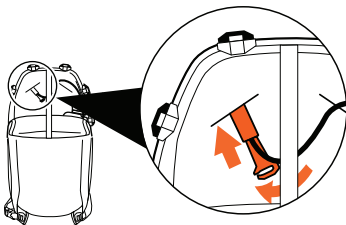


- ③ Remove the compressor through the side of the airbag compartment

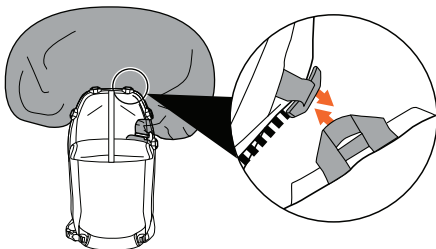
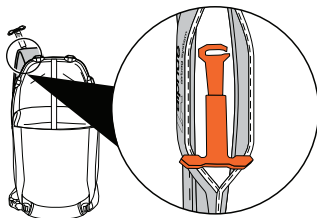
HOW TO INSTALL THE DETACHABLE AIRBAG SYSTEM



- ① Insert the compressor through the side of the airbag compartment



- ② Run the cable under the compression strap, pass the trigger handle through the hole between the shoulder strap and the airbag pocket, attach the trigger handle. Close the shoulder strap pocket and close the zip.



- ③ Attach the 5x hooks, fold the airbag, close the zip.

STORAGE

Store your ALPRIDE E2 AIRBAG System in a cool, dry environment. For safety reasons, keep the backpack out of the reach of children. Alpride shall not be liable for any damages and losses due to improper storage.

CLEANING

Use only water (no cleaning products!) to clean the backpack. Ensure that the entire product is dry before using it again to avoid the risk of icing. In case of a dirty inflator, the inflator system must be cleaned properly with a damp soft microfiber towel. Alpride shall not be liable for any damages and losses due to improper cleaning.

DISPOSAL

 The product must not be disposed in the household waste. Do not mechanically disrupt or incinerate the product. This may lead to potential hazards.

Electrical appliance:

- Never dispose of electrical appliance in your household waste.
- Return electrical appliance using the recycling facilities provided.
- Contact your local refuse disposal authority for more details.

AA/LR6 1.5 V Batteries:

- Never dispose of batteries in your household waste.
- They may contain toxic heavy metals and are subject to hazardous waste regulations.
- The chemical symbols of the heavy metals are: Cd = cadmium, Hg = mercury, Pb = lead.
- Only dispose of batteries when they are fully discharged.
- Before disposing of the appliance it is essential to first remove the batteries.
- Return batteries using the recycling facilities provided.
- Contact your local refuse disposal authority for more details.

SERVICE LIFE

The product has a limited life time and should be replaced in case of signs of mechanical wear. It is recommended to regularly control your gear and to replace it at least every five years after first use. The functioning could be reduced due to mechanical wear or improper use. Dispose of the product if you notice any damage. The OSPREY ALPRIDE E2 AIRBAG System is designed to withstand 50 inflations.

12 TRANSPORT & TRAVEL

The Osprey Alpride E2 Airbag System uses 2 AA batteries. The Osprey Alpride E2 Airbag System has no Li-Ion / Li-Po battery, no gas cartridges under pressure and no pyrotechnic trigger.

The Osprey Alpride E2 Airbag System has no restrictions for travelling and shall not be considered as Dangerous Good in the meaning of the Dangerous Goods Regulations.

There are absolutely no restrictions for travelling with the OSPREY ALPRIDE E2 AIRBAG System, to avoid any misunderstanding with airport security agents, we recommend to announce to the airlines that you are travelling with an electrical avalanche airbag WITHOUT a battery. The Osprey Alpride A2 Airbag System has a pressure relief valve system.

13 TROUBLE SHOOTING

MALFUNCTION	TROUBLE SHOOTING
The airbag doesn't inflate when pulling trigger?	1- Is the E2 On? ->Check LED 2- Are the supercapacitors charged enough (LED orange or green)? 3- Is the autotest ok? ->Check LED
The autotest doesn't work?	The supercapacitors are not charged enough to run the motor? ->Wait for orange or green LED
The autotest is KO ->Check LED	Check that ice or snow is not blocking the compressor wheel, dry the system completely before further use.
Airbag does not inflate fully?	There might be any of the following reasons for the malfunction: 1- If the airbag is rolled instead of properly folded 2- Because there is a webbing or something covering and restraining the zipper 3- The deflating knob is blocked in deflating position and prevent the non-return valve to close properly
The system does not charge from the AA batteries?	Make sure you are using brand new, premium quality alkaline or lithium AA / LR6 batteries. Do not use AA zinc carbon batteries and NiCd or NiMH accumulators (rechargeable).

14 ADDITIONAL INFORMATION

PRODUCT DESCRIPTION	SPECIFICATIONS
Type: ALPRIDE E2 AIRBAG System Backpacks Operating Temperature: -30°C / + 40°C IP65 Conform Controller Patent No: EP3202462	Weight of complete E2 SuperCap kit (without batteries): 1 140 g +/- 10 g Airbag balloon volume: 162 liters Total volume of the complete airbag kit in backpack: 1,8 litres Micro-USB-C: 5 V - 3A DC Batteries: 2 batteries A / R6 / UM3 1.5 V Alkaline or Lithium Certification: CE according to EN 16716 standards set by TÜV Süd GmbH Model ALPRIDE E2

15 SALES & HOMOLOGATION

SALES & SERVICE

800 N Park St, Cortez, Colorado 81321 USA | 1-866-284-7830 | osprey.com

Osprey Europe B.V. | Herikerbergweg 238, 1101 CM in Amsterdam | +44 (0) 1202 413 920

HOMOLOGATION

All declarations of conformity are available at www.alpride.com

Tested by TÜV Süd Product Service GmbH, Daimlerstr. 11, 85748 Garching bei München, Germany. Prüfstellenummer 0123.

Certified according to: EN 16716: 2017

Osprey avalanche backpacks comply with the provisions and safety requirements of the European Standard EN 16716: 2017 for Mountaineering equipment – Avalanche airbag systems – Safety requirements and test methods.

All homologated backpacks are labeled with corresponding seals indicating they have passed the official tests. They are affixed in plain sight and may not be removed.

CERTIFICATION

All certificates and related data for the Osprey avalanche airbag pack are available at www.osprey.com

5 YEAR ALL MIGHTY GUARANTEE*: United States*

Osprey Packs, Inc. will repair any damage or defect to the Osprey avalanche airbag pack for any reason free of charge during the first five years from the date of manufacture. If we are unable to perform a functional repair on your Osprey avalanche airbag pack, we will happily replace it.

No repairs or replacements will be made on avalanche airbag backpacks after five years from its manufacture date.

Visit osprey.com for warranty details. Call 1-866-284-7830 or visit osprey.com for replacement parts or repair inquiries.

LIFESPAN OF PRODUCT

Improper use, storage, alterations to the product, the products' involvement in an avalanche can negatively affect the way the product functions. The product has a limited lifespan and should be replaced in case of signs of mechanical wear. It is recommended to regularly safety-check your Osprey avalanche airbag pack and ALPRIDE E2 AIRBAG SYSTEM and to replace it at least every five years after date of manufacture. Dispose of the product if you notice any damage. The ALPRIDE E2 AIRBAG system is designed to withstand 50 inflations.

WARRANTY*: Europe

Osprey Packs, Inc. will repair or replace manufacture defects to the Osprey avalanche airbag pack free of charge for the reasonable lifetime of the product.

Visit ospreyeurope.com for warranty and registration details.

WARRANTY*: Global Distributors (outside U.S. and Europe)

Osprey's Soelden/Sopris Pro Avalanche Airbag Pack's warranty is subject to the location of distribution.

Visit osprey.com for warranty details.

Additional or replacement parts should only be obtained from manufacturer, importer or organization responsible for its sales.

*Warranty excludes Osprey Alpride E2 Airbag System

For questions about the Osprey Alpride E2 Airbag System unit warranty, visit www.alpride.com

The labels contain the following

SOELDEN PRO 32 E2	Name of the model of the product.
	Warning ! The end user should carefully read the instruction before using the product (PPE).
XXXX-XX	Manufacturing date : Year-Month
	The CE marking ensures compliance with the essential requirements of Regulation EU 2016 / 425.
	Eurasian Conformity Mark.
	UK Conformity Assessed.
EN16716:2017	Reference for Personal Protective Equipment that is in compliance with the European harmonized technical standard used in the design and CE certification.
	Declarations of conformity can be accessed at www.ospreyeurope.com/osprey-europe-compliance/

[WWW.ALPRIDE.COM](https://www.alpride.com)

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Made in Vietnam
Fabriqué au Vietnam
Hergestellt in Vietnam



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1101 CM in Amsterdam
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