



AURA2 SQUARE Reserve Manual

Version 2.0 / March 2024

WELCOME

“Flow is a term used to describe the complete (body-mind-soul) feeling of being so totally engaged in an activity that there is a sense of complete immersion in the experience. Self-conscious thoughts give way to feeling at one with the activity and the environment, and time is no longer an ever-present consideration.”

The experience of flying a paraglider is what inspires us. The pure, focused concentration, the feeling of complete immersion with the environment, and the intrinsic pleasure in the activity itself are all sure signs of the Flow experience.

Thank you for choosing a FLOW PARAGLIDERS product.

We are a passionate team committed to developing high-quality paragliding equipment for pilots of all levels. By combining modern technologies with premium materials, our mission is to create safe, durable, and high-performance products you can trust.

Please read this manual carefully. It contains essential information about the safe use, operation, and maintenance of your reserve. This manual is considered part of the rescue system—if you sell your reserve, please pass it along to the next owner.

We wish you many safe and enjoyable flights.



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1. The Aura2 Square Series

The Aura2 Square is our next-generation rescue system, designed to set new benchmarks in safety and performance. It combines rapid deployment, ultra-low sink rates, pendulum stability and durability in a lightweight package.

This reserve is the result of years of research, rigorous testing, and extensive field trials. By fully exploring the potential of square reserves, we have developed a product that goes beyond industry standards, staying true to our philosophy of uncompromising safety.

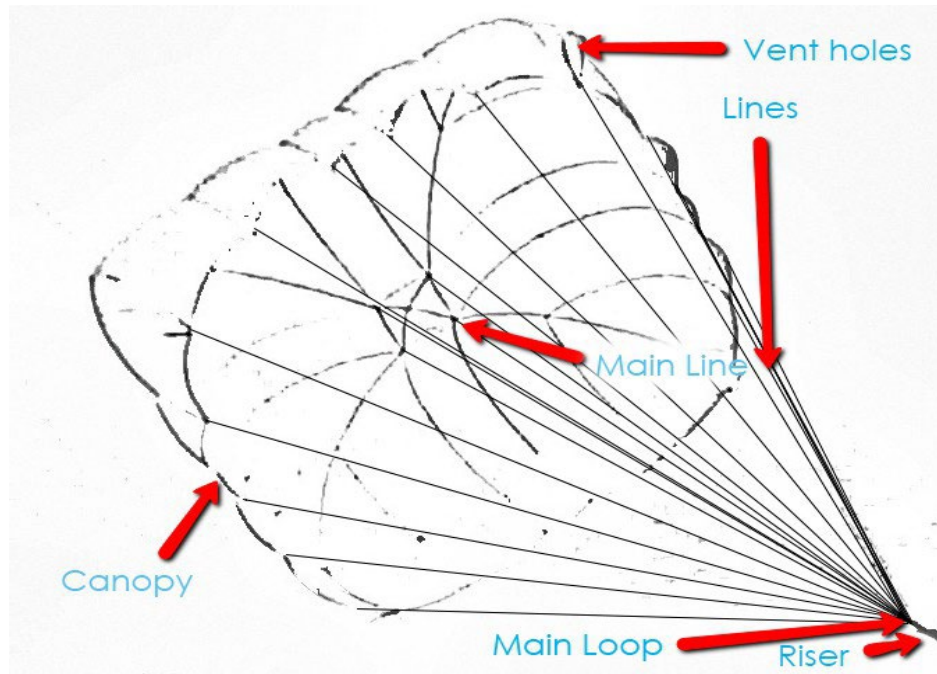
Key features:

- Advanced lightweight materials
- Larger than average flat surface area (m²) – when compared to other reserves on the market
- Very fast deployment times
- Excellent pendulum stability
- Extremely low sink rates

Our goal was not just to meet the EN Standard—but to exceed it, ensuring maximum pilot safety without cutting corners.

2. Technical Specifications

	AURA2 90	AURA2 105	AURA2 125	AURA2 150
Max Load	90 kg	105 kg	125 kg	150 kg
Min Load	70 kg	85 kg	105 kg	130 kg
Flat Area	27 m ²	32.64 m ²	40.6 m ²	46.4 m ²
Panels	16	20	24	24
Volume		4400 cm ³	5600 cm ³	6700 cm ³
Weight	980 g	1330 g	1560 g	1850 g
Sink Rate (max load)	5.2 m/s	5.2 m/s	5.4 m/s	5.2 m/s
Center Lines	1	1	1	1
Certification	EP_265.2019	EP_198.2017	EP_199.2017	EP_205.2017



3. Safety Information

- WARNING: The Aura2 Square reserve is designed only for paragliding. It must not be used for hanggliding nor skydiving or at speeds above 32 m/s (115 km/h).
- Always use the supplied inner container. Performance and safety cannot be guaranteed with alternatives.
- Every pilot is responsible for their own safety. Use of this system is entirely at your own risk.
- Conduct a full pre-flight check before every flight.
- Ensure harness compatibility and perform a test deployment with a qualified instructor.
- Have your reserve inspected and repacked every 6 months by a qualified professional.
- Service life: 10 years, with annual inspections.

4. Setup & Packing Instructions

Step 1 – Preparation

Fully lay out the parachute on a flat surface. Locate the loops at the top of each panel and thread a spare line (approximately 1.5 m long) through the sewn-in loops in sequence. Once completed, tie the line to a stable object to secure the reserve parachute and stretch it to its full length.



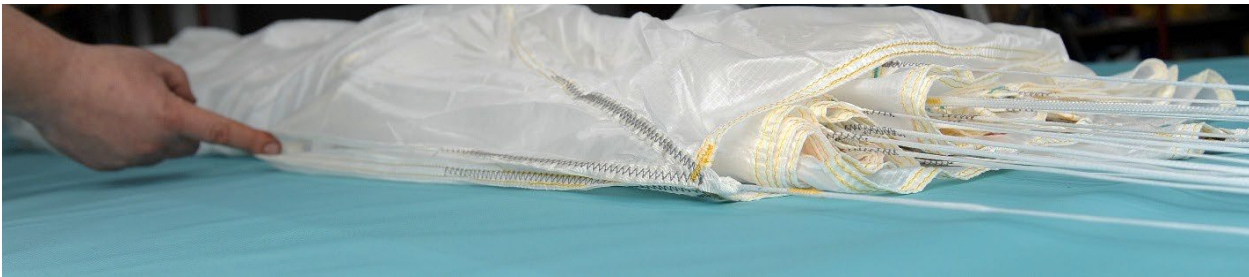


Step 2 – Organize Panels

Identify panel No. 1. Separate the panels and lines, ensuring an equal number are positioned on each side.



Start ordering the panels from the bottom up, first one and then the other side, use weights as an aid.

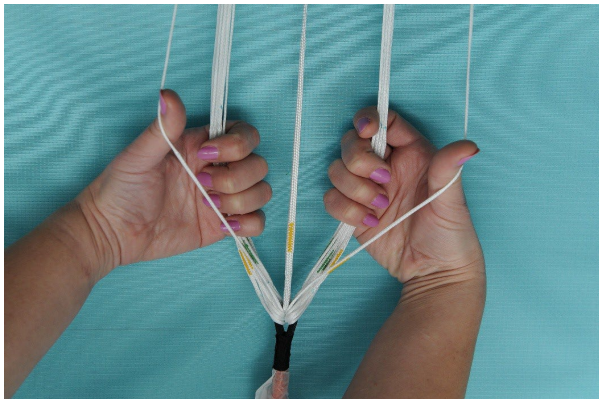






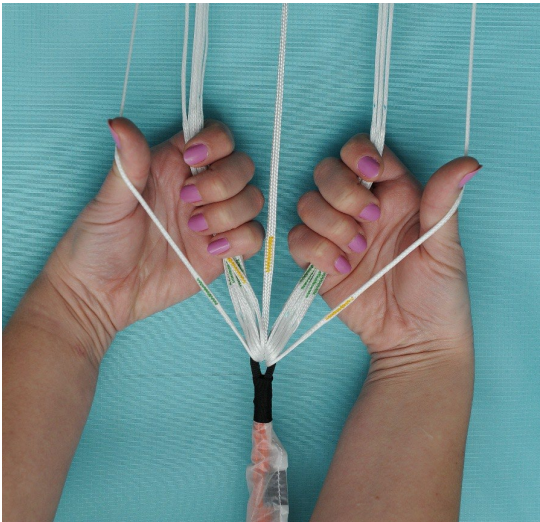
Step 3 – Organize Lines

Once the panels are neatly arranged, proceed to organize the lines. Begin at the risers and work toward the canopy. Take the first pair of lines adjacent to the central line and continue sequentially toward the chute. The layout should display Field 1 on one side and the last panel number on the opposite side.



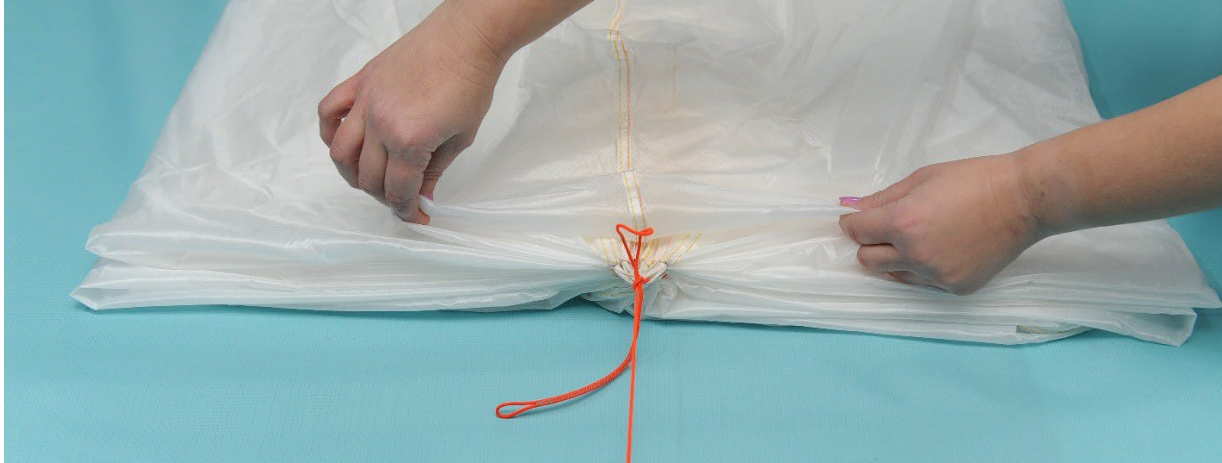
Step 4 – Outer Lines

Next, inspect the outer lines. Return to the risers and take the outermost lines from each side. Follow them carefully toward the mouth of the chute. The lines you are holding should now be positioned at the bottom of the chute.



Step 5 – Folding the Canopy

After verifying all lines, fold the canopy into an “S” shape.



Step 6 – Zig-Zag Fold

Untie the top of the canopy and fold it into a zigzag pyramid shape, stacking the columns neatly on top of each other to approximately the width of a hand. Before proceeding, remove the spare line from the top of the canopy.





Step 7 – Insert Canopy into Container

Insert the reserve laterally into the container, ensuring the lines remain outside for packing. Close the container flaps, guiding the rubber loop through the openings in the container lids.





Step 8 – Pack Lines

Finally, proceed to pack the lines. This can be done manually or using a dedicated line-packing tool, as shown in this example. While stacking ensure they match the width of the container on the side where the lines is located.

Use a pen-like tool to hold the container closed while packing the lines.



the lines, folded

Begin folding the lines approximately 20 cm from the riser loop. Fold the lines in an "S" pattern, securing each segment with a silicone rubber band.



Place the folded lines into the container, then close it as shown below:





Note: Always perform a main loop release test. The loop should release smoothly, and the container should open easily on its own if the reserve is packed correctly.



After packing the reserve parachute into the container, place the container on its back. The back side features four attachment points with loops designed for connecting the rescue handle, which extracts the parachute from the harness rescue pocket.



Step 9 – Harness Connection

For connecting the reserve to the harness, we recommend using a certified load rated square maillon. Attach the reserve bridle to the harness as shown below.



Close the harness container according to the harness manufacturer's instructions.

IMPORTANT: Always perform an extraction and security check after installing the reserve in your harness.

WARNING: This parachute has been tested for opening speed and opening shock *only with the supplied inner container*. Using any other inner container may lead to different performance or possible failure.

5. Use & Operation

In the event of an emergency during flight, the pilot must grab the reserve handle firmly and pull it to release the reserve container from the harness. Then, using a strong, swinging motion, throw the entire reserve package forcefully into clear air. This allows the reserve lines to tension and the reserve to separate from its inner container. Once released, the canopy will unfold and inflate.

To ensure proper reaction in an emergency, we recommended to practice reserve deployment on the ground or over water under professional supervision. Pilots should also regularly practice locating and reaching for the reserve handle during flight to maintain familiarity with its position.

In an emergency - summary:

1. Grab the reserve handle.
2. Pull firmly to extract the container from the harness.
3. Throw the reserve forcefully into free air.
4. The lines will tighten, releasing the canopy to deploy and inflate.

6. Maintenance

To maximize safety and service life of you reserve parachute:

- Store your gear in a dry room and ambient temperature.
- Avoid heat (car boots, direct sun) and also cold - freezing conditions.
- If wet, dry it in a shaded, ventilated place.
- Rinse with fresh water after saltwater exposure.
- Keep away from acids, grease, oils, and paints.
- Repairs must be done only by the manufacturer or authorized service centers.
- Spare parts are available through FLOW PARAGLIDERS dealers network.

7. WARRANTY

Flow paragliders' **warranty** covers any material defects or any production fault for two years or 250 hours since the date of purchase.

The guarantee does not cover:

- Damage caused by misuse.
- Neglecting the regular maintenance
- Overloading or misuse of the glider
- Damage caused by inappropriate landings.

8. SUMMARY

Safety is the single most important thing in our sport. We recommend to always be alert of the weather, fly as regularly as you can and ground handle as much as possible. Practicing ground handling will keep your skills alive and will support you especially when conditions at launch aren't perfect or the site is difficult.

Please always respect the weather! Monitor the conditions and the forecast closely and understand which conditions are right for your level of flying or for flying in general. Lots of pilots get hurt due to misjudging weather conditions and we don't want you to be one of them.

We would also like to emphasise respecting our beautiful nature and looking after your flying sites. If you need to dispose the wing, please don't dispose of it in the normal household waste but in an environmentally responsible way. If you are unsure, please contact your local council or government.

In case of any doubts regarding the information in the manual contact your FLOW PARAGLIDERS dealer.
For spare parts or information in how to obtain them get in contact with us directly or with your local dealer.

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