



ADVANCEZETA

Getting started

# Welcome to ADVANCE

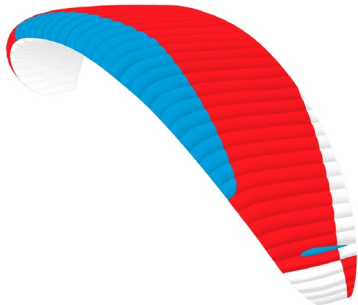
Many thanks for choosing ADVANCE. We are one of the world's leading paraglider manufacturers and are based in Switzerland. Since 1988 we have consistently followed our own paths and concepts, both in development and production. We hope that your ZETA will bring you many rewarding hours in the air.

The ZETA is ADVANCE's most precise and dynamic wing. It specialises in precision and performance and its high level of passive safety means that entry and exit from all situations are easily mastered. A sprightly trim speed makes the ZETA exceptionally suitable for soaring in wind, and thermal flying is fun as well.

# Getting started

This guide gives you a brief look at using your ZETA, but it does not replace the official manual, where you will find detailed instructions about setting up, flying characteristics, manoeuvring, upkeep and service.

The manual can be downloaded from [www.advance.ch/zeta](http://www.advance.ch/zeta).



# You as pilot

The ZETA is a wing for pilots who want to get into freestyle flying, or further develop their acro skills. The ZETA's high trim speed also makes soaring a lot of fun, so this dynamic glider will very well suit pilots who spend time in a soaring environment.

The ZETA pilot should have the following paraglider skills and experience:

- He must be familiar with short brake travel and high speed.
- He must have secure takeoff and landing techniques.
- He must be proficient at spiral dives of more than 15m/s sink rate, and be able to recover without the final pitch up and zoom climb.
- He must have a competent active flying technique.

# Delivery and initial settings

Every ADVANCE paraglider has to be flown by the dealer before delivery to check for correct basic settings. Any personal alteration you make to the paraglider will result in it losing its certification. The brake line lengths should not be altered. They are set at the factory so that, with brakes fully released, the trailing edge remains unbraked in accelerated flight.

ZETA delivery includes:

- Speed lines with speedbar
- Inner bag
- Compression strap
- COMFORTPACK
- Repair kit
- Mini windsock
- Getting started booklet

# Handling and Manoeuvres

In general a high wing loading means that dynamic reactions can be expected of a wing. The ZETA is however straightforward in nature, and entry into and exit from all in situations can be well mastered. This certified ADVANCE Freestyle wing is suitable for flying the following manoeuvres: Wing-over, Helicopter, Fullstall, Tail Glide, Looping, SAT, Asymmetric spiral, Twister, Parachutal flight, McTwist, Misty Flip, Dynamic Fullstall.



# Soaring & Thermal flying

A high wing loading results in a high trim speed. Internal pressure is similarly raised, and this again contributes to high dynamic potential. A raised trim speed is an essential advantage for ZETA soaring in that soaring becomes a lot of fun when the wind gets up; and it often does. The wing's high stability and high ZETA passive safety can be of great value when soaring near the ground.

A small 21 m<sup>2</sup> wing area makes easy work of entering a tight circle. Compared with other products in the category the ZETA has very good climbing and gliding performance. ZETA soaring and thermaling are a lot of fun as well – almost as much fun as freestyle!

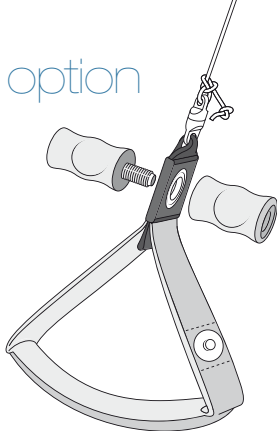


# Info about the steep spiral dive

Long lines result in the pilot experiencing high centrifugal loads – g, and this makes for tons of fun. Along with the additional fun factor the long lines also encourage the ZETA to quickly find itself in a stable spiral. The ZETA does NOT recover from a steep spiral by itself. With a neutral sitting position and released inside brake the wing will stay in a stable spiral. For this reason it is essential that a pilot in this situation must take positive action to recover from a spiral.

# Alu Handles as an option

Aluminium handles (acro bars) are available as an optional extra. These handles make it easier to apply just the right brake loads for freestyle manoeuvres. The two halves of these bars screw together through the eyelets on the brake handles.





# Flying with a wet paraglider

There's a risk of parachutal stall. Parachutal stall is often the result of a combination of factors. The water adds to the weight of the glider. The additional weight causes a higher angle of attack, putting the glider closer to the stall. Then again, water drops on the wing surface disturb the laminar airflow near the front of the wing, significantly reducing the maximum lift coefficient available.

In order to guard against the risk of parachutal stall with a wet wing the glider should

braked as little as possible and big ears should not be used under any circumstance. If the glider still goes into parachutal stall recovery should be achieved by use of the accelerate system (speedbar) only.

# Packing and care

For packing lay the ribs nose on nose, so that the plastic rods in the leading edge lie flat on each other and all at the same level. Fold the wing to the width of the inner bag. Lay the glider on the back surface of the COMFORTPACK and put the folded harness on top.

Be aware that bad packing will shorten your ZETA's life. Do not leave the glider in the sun longer than necessary, and never subject it to large temperature changes. It should be stored in a dry place.



# Technical details

## ZETA

## 21

Flat surface	m <sup>2</sup>	21
Aspect ratio		5.15
Recommended takeoff weight *	kg	60 – 110
Glider weight	kg	4.4
Trim speed **	km/h	38 – 43
Max. accelerate range	km/h	+13
Certification		EN/LTF

\* pilot, wing, equipment

\*\* depending on takeoff weight

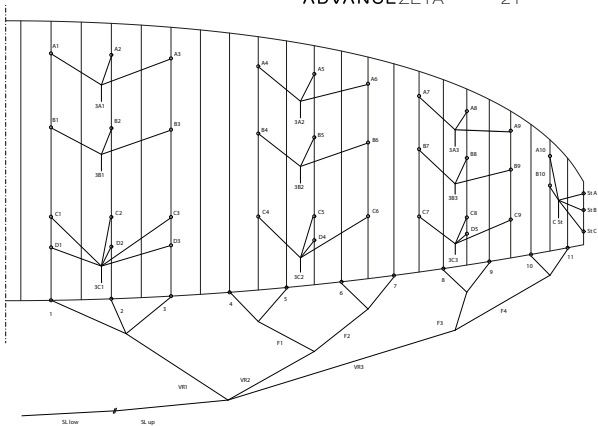
# Warranty and Service

Register your ZETA online within 10 days of purchase on [www.advance.ch/warranty](http://www.advance.ch/warranty). The ADVANCE warranty is valid for 3 years to cover defects that are attributable to manufacturing faults. There are more details online.

Your ZETA has to have a check every 24 months – or every 12 months if used a lot. You can find detailed information about the worldwide ADVANCE Service Network on [www.advance.ch](http://www.advance.ch).

You can find the up-to-date version of the detailed official manual, more advice about safety, and current information including answers to frequently asked questions (FAQs) on [www.advance.ch](http://www.advance.ch).





# ADVANCE®

advance thun ag  
uttigenstrasse 87  
ch 3600 thun

[www.advance.ch](http://www.advance.ch)  
[info@advance.ch](mailto:info@advance.ch)

fon +41 33 225 70 10  
fax +41 33 225 70 11