

Dispatch protocol/ Delivery content

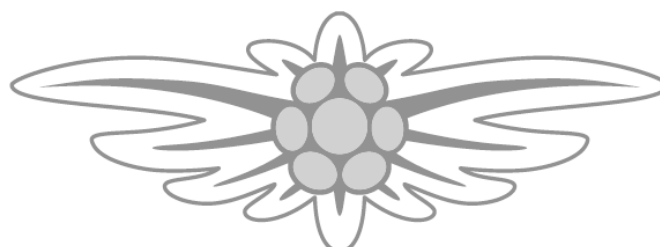
Piece check complete
Inner bag
Compression band
Speedsystem
Outer rucksack
Operating instructions
Customer questionnaire
Repair set
T- Shirt
Sticker

.....

Date

.....

Signature



ICARO
PARAGLIDERS



MANUAL

INCANTO

“SET YOUR SPIRIT FREE”

LTF 1-2

Fly & more Handels GmbH ICARO Paragliders
Hochriesstraße 1, 83126 Flintsbach, Deutschland
Telefon: +49-(0) 8034-909 700 Fax: +49-(0) 8034-909 701
Email: office@fly-more.com Web: <http://www.icaro-wings.de>





Fly & more Handels GmbH
Hochriesstraße 1
83126 Flintsbach

Telefon: +49 (0)8034 909 700

Telefax: +49 (0)8034 909 701

E-Mail: office@fly-more.com

Internet: www.fly-more.com

Manual

ICARO „**INCANTO**“, LTF 1-2
the size XS at the lower limit LTF 2

Version: 1.4 – D, Stand: 12.02.2010

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This manual was submitted to the German Hanggliding Association (DHV).

All technical data and instructions in this manual were drawn up with great care.

The company Fly & more Handels GmbH, ICARO Paragliders cannot be made responsible for any possible errors in this manual.

Any important changes to this manual will be published in „DHV INFO“, which is the official magazine of the DHV.

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***Congratulations on buying your
INCANTO and welcome to the
family of ICARO- pilots!***

This paraglider was produced with great care so that you can enjoy many flights.

In order for you to feel comfortable with your paraglider right from the start, we recommend that you read this manual.

Apart from flight information, this manual also contains important safety instructions. You must get to know your paraglider well.

This manual also contains important care and operating instructions which are vital for your safety and preservation of your paraglider.

Should you decide to sell this paraglider at a later date, please pass on this manual to the new owner.

IMPORTANT INSTRUCTIONS FOR USING AN ICARO PARAGLIDER

- THE USE OF THIS PARAGLIDER IS ENTIRELY AT YOUR OWN RISK. EVERY PILOT BEARS THE RESPONSIBILITY OF HIS/HER OWN SAFETY.
- EVERY PILOT MUST DO A THOROUGH PRE FLIGHT CHECK BEFORE EVERY FLIGHT AND MUST ENSURE THAT THE PARAGLIDER IS PROPERLY CHECKED AT REGULAR INTERVALS.
- THIS PARAGLIDER HAS BEEN CERTIFIED AND BUILT IN COMPLIANCE WITH DHV RULES AND REGULATIONS.
- DO NOT CHANGE THE CONFIGURATION OF YOUR GLIDER. IF YOU DO, YOU WILL LOSE YOUR DHV CERTIFICATION.
- EVERY PILOT IS RESPONSIBLE FOR THE SAFE OPERATING CONDITION OF HIS/HER PARAGLIDER!
- IT IS A PREREQUISITE THAT EACH PILOT IS IN POSSESSION OF A VALID PILOTS LICENCE.
- THE MANUFACTURER WILL NOT ACCEPT ANY CLAIMS!

IT IS STRICTLY PROHIBITED TO FLY THE *INCANTO*

- WITH INSIGNIFICANT TRAINING AND EXPERIENCE OF THE PILOT
- OUTSIDE THE DHV SPECIFIED WEIGHT RANGE
- IN RAIN, SNOWFALL, CLOUDS OR FOG
- IN TURBULENT WEATHER CONDITIONS
- WITH ROLL ANGLES EXCEEDING 90°
- ACROBATICS

I. Your **INCANTO**

Characteristics of INCANTO

INCANTO offers the pilot a high safety potential, but the pilot must observe the rules of the air for all flight sports, especially the rules of right of way so as to avoid dangerous situations.

Maximum safety, good performance, direct and precise steering with the brakes and by weight shift – all this was not a huge challenge for the designers of **INCANTO**. We wanted a wing suitable for acro and freestyle with a maximum speed of over 50 km/h.

Technical Data

INCANTO <i>set your spirit free</i>		XS	S	M	L
Wing Area Flat	m ²	21,87	24,37	27,00	30,34
Wing Area Projected	m ²	18,95	21,11	23,39	26,28
Wing Span Flat	m	11,12	11,73	12,35	13,09
Wing Span Projected	m	9,63	10,17	10,70	11,34
Aspect Ratio	A/R	5,65	5,65	5,65	5,65
Cells		55	55	55	55
Take Off Weight	kg	55-75	65-90	85-105	100-125
Speed (Trimmer)	km/h	38-40	38-40	38-40	38-40
Max Speed	km/h	>50	>50	>50	>50
Risers		4+1	4+1	4+1	4+1
Weight	kg	5,8	6,0	6,2	6,4
Certification	LTF	2	1-2	1-2	1-2

Canopy

Porcher Marine NCV 9017 is used in different colours. Selected for its durability and resistance to UV-damage and it also reduces weight.

Line Material

The cleverly designed line gallery gives the **INCANTO** a line layout, which ensures stability and excellent flight characteristics. All lines were hung and sewn with precision. The end control of all line lengths is documented for all paragliders produced by ICARO Paragliders.

To ensure durability, we use HMA-Kern (High-Molecular-Aramid) with a PE covering for protection.

Risers

The risers of the **INCANTO** are the outcome of a long time experience within the paragliding scene. The Glider has 4 fold risers with acceleration system, Big and Small Ears are made easier by the separation of the A-risers. Simple launch behaviour, B-Line-Stall, steering with the D-risers and an optimal geometry for accelerated flight were important aspects in the development of these risers.



Risers not accelerated



Risers accelerated

Acceleration system

When you use the accelerator, the D-risers remain unchanged, the C-, B and A-level aero design-related changes under the D-level at full acceleration. This decreases the angle of attack of the whole glider and increases speed.

Certification

Following our philosophy to only build gliders with the highest safety, we design our gliders to meet DHV strict and robust regulations.

The **INCANTO** has been developed and authorised with harnesses according to the LTF type "GH". Nearly all harnesses recently produced are type GH harnesses and suitable for the **INCANTO**.

They differ from the GX harness due to their low suspension and not very effective (if at all included) cross straps. Cross straps have not proven themselves in combination with modern paragliders.

II. FLIGHT TIPS

Pre Flight Check & Flight Preparation

It is important to perform a pre flight check before taking off. Please give the following points your special attention:

- Whilst unfolding your paraglider check the canopy and cell walls for damage. Always take into consideration that the paraglider may have become damaged during transportation.

- Check the lines for knots, twisting and damage. Also check the brake lines for knots and kinks. Check the main brake lines. They must be symmetric.

Warning: The correct length of the main brake line must not be altered.

- Check your harness and make sure that all connections to pilot are correctly closed. Check that all karabiners are closed and can not be opened accidentally in flight and that the risers are not twisted.
- Please ensure that you are wearing gear which offers optimal comfort and protection (helmet with chin protection, boots, gloves and an overall).

After that lay your glider in an arc form and observe the following points:

- When you pull on the A-risers, the lines in the middle of the wing should be under tension before the lines on the wing ends. This ensures an even easier start.
- Separate the line groups carefully and bring the risers in order.
- All lines must run freely from harness to canopy. It is equally important that the lines are unhindered and cannot get caught up during the launch. If the risers are not twisted, the brake lines run freely through the roll on the D-riser to the back of the canopy.
- It is also important that no line is under the canopy. A cravat during the launch can be extremely dangerous.

Launch

The most important thing during the take-off is, like at all other gliders too, not the force but the constancy of the pull.

Hold the A-risers and the handles of the brakes, after you have finished the obligatory pre flight check. Use progressive pressure on the A-risers and the energy of your own body weight until the wing is fully inflated overhead.

The canopy is inflated quickly. Hold you arms out and up as an extension of the A-lines. When there is no pull from the lines and the wing is overhead, use slight pressure on the brake. Look up and make sure that the canopy is fully inflated. After a few accelerating steps and at the same time let go of the brakes gently, you will take off. Then use slight pressure again on the brakes to fly at a speed with minimal sink rate.

Turning

INCANTO is very agile and reacts to steering impulses quickly and directly. Both flat curves with minimal height loss and deep steep curves are no problem.

A combined steering technINCANTOue (weight shift and application of the brake line on the inner curve) is suitable for every situation.

Strong, one sided pulling of the brakes brings the **INCANTO** into an obvious side angle and the glider flies fast and steep curves until spiral dive begins.

Warning: If the brakelines are pulled too fast or too far the glider will be stalled! A one-sided stall is signaled clearly by: The curves´

inner side of the wing is getting soft, and nearly stops. In this case you have to release the brake-line!

Landing

The **INCANTO** is very easy to land. Always stand up in the harness in the landing position very early in order to be able to react as fast as possible to sudden events. Give yourself plenty of options and a safe margin of error. Set up your final landing leg to face into the wind to minimize groundspeed.

Once below 25 m and on final landing approach, the glider should be allowed to fly at trim speed by going "hands up" with the brakes. This allows more energy to be converted into a full flare. Then, 2 m above the ground, both brakes are applied smoothly and forcefully to full arm extension, below the seat of the harness, resulting in a full flare and reduced speed on landing. In stronger winds, the flare can be reduced or eliminated to prevent being blown back when landing.

Warning: ***Do not brake it too much, to avoid a stall of the glider in this very low altitude!!***

Do not reduce height by "pumping" with the brakes.

Do not fly sharp turns or changing the direction while landing.

Do not drop the canopy is on it's nose after landing, that could damage the profiles of the glider.

Acceleration (with speed system)



Before using an acceleration system you must ensure that it is attached properly and that the speed system and harness are adjusted to each other for best performance.

Adjustment of the foot accelerator

The length of the accelerator is adjusted to the left and right of the foot pedal so that when your leg is fully extended, then the acceleration is at maximum – both rollers are touching.

Using the accelerator decreases the angle of attack and can make the glider more prone to collapse. Therefore excessive use of the accelerator near the ground should be avoided.

We recommend a speed system with 2 or 3 levels in order to get use of the full speed of the **INCANTO**.

For the majority of your flight you will not use the accelerator. For better penetration in headwinds you can fly faster by using the accelerator system. When you want to descend quickly and the ears have been folded in, push down on the foot accelerator.

The flight stability of the **INCANTO** remains intact at increased speed because of the adapted geometry of the acceleration system.

Flying with an integrated acceleration system should be used in proper doses. The more turbulent the weather conditions and when near the ground, the less acceleration should be used.

The increase in speed using an acceleration system is considerable and should not be underestimated.

Warning: *Do not use the acceleration system and brakes at the same time! It is very dangerous to use both simultaneously as it can result in serious collapses.*

Towing

Generally the **INCANTO** is also allowed for towing. You have to note the regulations of the country where towing is in practice.

Ground Training

In order to get to know your **INCANTO**, we recommend that you practise with your glider on the ground. Pulling up in flat gradients is great practise for fine tuning your launch techniques. Here you can get to learn the reactions of your glider without any stress and hectic. Ground practise pays off in the air.

Thermals and flying in turbulences: "Active Flying"

We advise you to apply the brakes at all times whilst flying in turbulences. You hereby increase the opening angle and the wing is more stable. At the same time the pilot has a better feeling for the canopy via the brakes.

When the pressure on the brakes decreases, then pull down more on the brakes for a short moment to avoid a possible collapse. According to the strength and length of turbulences this can be more than 100% of the brake path for a short time. Under normal conditions, with 100% of the brake path is the point where deep stall begins.

When flying into strong thermals please pay attention that the canopy does not remain behind the pilot. This is avoided by releasing the brakes when entering an up-wind to increase speed.

Vice versa the glider must be slowed down with the brakes if the canopy falls before the pilot when entering a down-wind or exiting a thermal. We recommend increasing speed when crossing a downwind or during headwind.

This type of flight technique is called "active flying". The pilot may roll his body with weight shift to move with the glider when the glider rolls to the right or left. These subtle adjustments keep the glider flying smoothly.

III. Descent Techniques

Warning: *Training of descent techniques and simulation of flight incidents (SFI) and should only take place at professional safety training seminars with professional trainer and only while flying over water.*

Use the manoeuvres Small/ Big ears with the trimmer, B-line-stall, C-line-stall and spiral dive as ways of descending.

Big & Small Ears

The aim of this manoeuvre is to descend in strong thermals.

Take the outer A-risers of the **INCANTO** in your hand, without releasing the brakes and pull down leaving it run through your hands (use gloves!). Sink rate increases to 5m/ sec but not the forward speed. If you use the acceleration system then sink speeds of 5m/ sec can be achieved. Reopen the wing by pushing up with your hands and if necessary then pump the brakes with short symmetric movements. For directional control while using the big ears, you should use weight shift.

Before landing, release the pulled down A-risers to achieve normal sink speed for a gentle landing. Just like in the C-line-stall manoeuvre, keep the brakes in your hand. In this way, it is possible to fold in up to two thirds of the leading edge.

Warning: *The pitch angle of your paraglider is increased using small and big ears, the brake path is shortened and the risk of inducing a deep stall is high. Using acceleration system during this manoeuvre helps to reduce these negative risks.*

B-Line-Stall

It is common knowledge that to enter and hold a B-line-stall requires considerable strength. Entering a B-line-stall in strong upward air movements may not be possible for weaker pilots, even with gliders equipped with easy enter B-line-stall aids.

Entering a B-line-stall can also be damaging to the canopy material because of the strain on certain points of the material. This is mentioned in several other user manuals.

Spiral Dive

To initiate a spiral dive, look in the direction you want to go, roll your body weight in that direction and at the same time smoothly pull down on the inside brake.

The **INCANTO** will start to turn, speed up and then drop into a spiral. To keep the wing under control you must pull and release the inside brake. Safe decent rates of 7-9 m/ sec are possible. Please ensure that you have enough distance to the ground to exit the spiral dive.

Please exit slowly. Bring your body weight back to a neutral position and as soon as the wing levels out, apply the brakes gently. This procedure should be done slowly and will take a couple of turns to complete.

The **INCANTO** does not have a tendency for stable spiral dive. If under certain conditions, it should go into a stable spiral dive then actively exit the manoeuvre by bringing your weight into a neutral position, release the brakes of the inner curve side and brake gently on the outer curve side until you notice that the wing starts to level out. Then gently brake on the inside curve for several turns until normal flights returns.

Warning: *If you pull abruptly and too far on the brakes, the canopy may enter a negative spin. When entering a spiral dive keep the brake on the outer curve released.*

IV. Flight Incidents

Deep / Parachute Stall

Your **INCANTO** has been carefully designed to resist entering deep stall. If you pull strongly on the rear risers the **INCANTO** normally ends a deep stall independently when you release the rear risers. Before exiting a deep stall please ensure that the brakes are fully released.

Actively exit the deep stall by reaching up and push forward with both palms on both A-risers or pull on the risers.

Asymmetric Collapse

While flying in turbulent conditions it may occur that a portion of your glider deflates. This is normally not a critical situation and re-inflation occurs quickly without any input from the pilot. However, just like in flying in turbulences, please pull gently on both brakes.

Re-inflation is speeded up by counteracting the turning movement of the canopy until normal forward flight return. Then pump the brake line on the collapsed side.

Symmetric Collapse

A glider may collapse symmetrically when flying through sudden down draughts in a front stall or by pulling strongly on the A-risers. The leading edge collapses abruptly along the whole wing span. The pendulum movement is eased by applying the brakes and speeds up re-inflation. **INCANTO** normally re-inflates promptly in a symmetric collapse without pilot input.

Applying the brakes symmetrically will speed things up.

Cravat

This never occurred during any of our test flights. However, it could happen in rare circumstances that a part of the glider, particularly a wing tip, gets caught in its own lines (e.g. in extreme turbulences or an error in the visual line check of the canopy before take-off. Large cravats result mainly in uncontrollable spiral dives. There are a few ways to try to rectify this situation:

- Try pumping on the side of the cravat
- Pull the stabilo line (the outermost B-line)
- Actively collapse the cravat side and release
- If all else fails, attempt a full stall – only if sufficient altitude remains.

Warning: *Freeing a cravat may be complicated, even for an experienced pilot. If you have exhausted all these options, you are uncertain how to proceed and you do not have control over your glider and you are running out of altitude, immediately deploy your reserve parachute.*

Negative Spin

A negative spin should not happen in normal flight. However, spins are often performed in SFI training to experience the gliders limits and so that pilots have a better understanding of the safe range of brake use.

If the pilot abruptly applies full brake to one side of the glider while the other side is at zero brake, the faster side may fly around the braked and stalled side resulting in a spin.

Alternatively, if flying very slowly with almost full brakes on both sides, if one hand releases one brake suddenly, while the other continues with full brake, the glider may enter a negative spin.

To exit a spin with your **INCANTO** just do “hands up” to release the brakes and the glider will return to normal flight.

Full Stall

To initiate a stable full stall, apply both brakes to maximum arm extension. If possible grasp the seat of your harness to assist keeping your arms locked.

Warning: It is imperative that the pilot fully completes this manoeuvre and holds on, as a premature release while the glider is still falling back may cause the glider to rapidly dive ahead past the pilot. There is a possibility of the pilot landing in or entangling in the glider.

Do not –under any circumstances- release at this point. The glider will slow down and stall, falling quickly behind the pilot. Avoid the urge to release. The pilot will swing back under the canopy and finally the canopy will stabilize to a full stall.

Once in a stable stall, the manoeuvre can be completed. Release the brakes just a little and let the glider fill until it regains shape. Then release the brakes fully and your **INCANTO** will return to normal flight.

Emergency Steering

Should it no longer be possible to steer your **INCANTO**, for example due to a broken line, the glider may be steered by gently pulling on either D-riser. Handling will be more direct so be careful not to pull too hard. A good way to get practice is during ground handling.

V. Service, Repairs and Maintenance

Care Instructions

Even with good care and maintenance, just like any item exposed to the elements, your glider can wear out after a certain amount of use. This can change flight behaviour and safety. We recommend a regular safety inspection of the canopy and all lines.

- If you wish to clean your glider it is best to use warm water and a soft sponge. Store your glider in a dry and dark place, ideally between 5° and 30° Celsius. Do not store it near chemicals or petrol.

- If you will not fly for longer period, store the glider releasing all compression straps and take it out of its backpack so that the fabric is not compressed, creased or stretched.
- Avoid storing your glider for days at a time in a hot car.
- If the glider has become wet, lay it out so that air can get to all areas of the fabric.

Warning: *It may take several days for your glider to dry out completely especially the lines, which take longer than the fabric. Do not fold and store your glider prematurely if it not completely dry. The performance of a wet glider can change significantly.*

Repairs

Small holes in the canopy can be repaired by the pilot by using self adhesive sailcloth on both sides of the perforation.

Damage to the lines or any other repairs should only be carried out at an authorized ICARO centre. If your **INCANTO** needs to be repaired, please contact your local ICARO Paragliders dealer.

Inspection, Prerequisites and Personal qualification

After 200 flight hours or 24 months, it is important to have your **INCANTO** inspected by a trained ICARO technician. Without regular certified inspections, your glider will lose its certification and guarantee.

You will need the following items in order to perform a paraglider inspection:

- Standardized inspection report
- Porosity meter
- Spring scale
- Equipment for measuring line lengths
- Equipment for line strength testing
- Sewing machine
- Big, clean and bright room

Technical specifications about your glider (type, serial number, size and year of production). Please call Fly & more Handels GmbH ICARO Paragliders for information.

A three week course at Fly & More GmbH specified to a glider type together with a legal flight license are the necessary prerequisites for permission to inspect ICARO Paragliders.

For questions about the costs and times of paragliding inspection courses please contact Fly & more Handels GmbH ICARO Paragliders.

Inspection Instructions

Record Information

Spread out your paraglider in a big bright room and make a note of information such as model, type and serial number.

Porosity Test

Use your porosity meter to perform porosity checks at 4 different places of the canopy. The results are recorded in the inspection protocol and are to be evaluated according to the internal guidelines of the workshop.

Visual Control of the Canopy

Hang up the canopy so that you can do a visual check of your canopy. Check for perforations in the upper and lower sailcloth, damaged stitching between the cells, and damage to the leading/trailing edge reinforcements. Each cell must be checked.

Visual Control of the Risers and Lines

Check the risers, the trimmers, the stitching at each line loop, the brake lines, all seams and line contact points. Each line must be measured and inspected for kinks.

Strength test of the lines

One complete A-and B- line must be removed, measured and submitted to a strength test. The measured value of each individual line must be noted in the inspection protocol. The minimum of the lines strength are 125% of the normative guidelines.

Measurement of the lines

Measure every single line while stressing it with defined tractive force. Compare with the line plan. The results are recorded in the inspection protocol and are to be evaluated according to the internal guidelines of the workshop.

Assessment

The measurements of all procedures are noted in the inspection protocol. When all facts have been recorded, the technician must make a general assessment.

Check the backpack for damage to the zips, seams and straps and repair if necessary with a sewing machine.

General Remarks

Any other repairs, corrections etc. to the general condition of the paraglider must be evaluated. A copy of the results of each inspection must be sent on to Fly & more Handels GmbH ICARO Paragliders.

If the glider is not in great condition, the technician can decide to shorten the inspection interval time from 24 to 12 months. The technician must report any unusual faults to Fly & more Handels GmbH ICARO Paragliders within 3 days.

Inspection Reference

Only an authorised technician who has been trained by Fly & more Handels GmbH ICARO Paragliders is authorised to sign and date the glider certification label and sign the manual.

VI. Terms of the guarantee

The Fly & more Handels GmbH ICARO Paragliders guarantees the proper processing, an operation within the allowable limits of proper operation and the fulfillment of the eligibility criteria of glider / harness / rescue equipment at the time of first delivery by the Fly & more Handels GmbH ICARO Paragliders.

What is covered by the guarantee?

Provided that Fly & more GmbH accept the fault the guarantee contains all necessary spare parts related to the replacement or repair of defective parts and working time.

How long is the guarantee?

Paragliders: Fly & more Handels GmbH ICARO Paragliders warrants a guarantee about

- 150 flight hours, maximum for a period of two years for the Lightweight paraglider **OXYGEN**, the **GTO** and the **NIKITA** and
- 300 flight hours on all other licensed paragliders, maximum for a period of three years
calculated from the date of delivery by Fly & more Handels GmbH.

Harnesses: 3 years calculated from the day when the harness was delivered through Fly & more Handels GmbH.

Rescue system: 3 years calculated from the day when the rescue system was delivered through Fly & more Handels GmbH.

What are the conditions of the guarantee?

- Fly & Handels GmbH needs to be informed immediately after the discovery of a defect and the defective product must be sent to us for testing.
- The glider / the harness was used in normal circumstances and maintained according to the instructions. This includes in particular the careful drying, cleaning and storage.
- The glider / the harness was used only within the applicable guidelines and all rules have been complied with all times.
- All flights must be accounted for within the flight book.
- There were only original spare parts used and checks, exchange and / or repairs were conducted by an authorized dealer or by Fly & more Handels GmbH ICARO Paragliders company / person and properly documented.

- A fully and correctly completed guarantee card must be sent at least 6 weeks after buying the glider to Fly & more GmbH commercial. Alternatively can this be sent via the appropriate online form on www.icaro-wings.de.
- Fly & more Handels GmbH ICARO Paragliders does not accept any responsibility or replacement of the above obligation. However, there is the possibility that there will be a sign of goodwill.

What is excluded from this guarantee?

- Gliders and Harnesses that are used for training purposes, Acro or other official competitions,
- Gliders / Harnesses who were involved in an accident,
- Rescue equipment, which has been thrown for a emergency,
- Gliders / harnesses and rescue equipment, which have been changed by yourself,
- Gliders / harnesses and rescue equipment that were not purchased from an authorized dealer / flight school,
- Gliders / harnesses and rescue equipment where the required inspection intervals were not met and the verification of the glider was not conducted by a Fly & more Handels GmbH ICARO Paragliders authorized operation / person
- Damage which has occurred due to improper treatment (i.e. storage in humidity, heat or direct sunlight)
- Parts that need to be replaced due to normal wear and tear,
- Discoloration of the cloth material used,
- Damage caused by solvents, salt water, insects, sun, humidity or “debag-jumps”.
- Damage caused by force majeure.

How can I claim guarantee?

In order to claim a guarantee Fly & Handels GmbH ICARO Paragliders needs to be informed immediately after the discovery of a defect and the defective product returned for inspection.

Fly & more Handels GmbH ICARO Paragliders accept no freight costs (outbound and return transportation).

VII. Environmental aspects

The materials of which a paraglider is made require a special waste disposal. So please send disused gliders back to us. We will care about a professional waste disposal without costing for you.

VIII. Attitude and behaviour towards nature

Actually it's self-evident, but nevertheless we would like to mention particularly:

- Please do our nature-near sport in a way which doesn't stress nature and environment!
- Please don't walk beside the marked ways, don't leave your litter, don't make unnecessary loud noises and respect the sensitive balance in the mountains.
- Especially at the take-off we have to take care for the nature!

**** Especially at the launch site consideration is needed! ****

IX. Last but not Least

Again, we would like to congratulate you on the purchase of your **INCANTO!** Team ICARO thank you for your trust in our brand and should you have any questions, ideas or criticisms, please contact us.

This paraglider has been developed and produced by modern technology and will give you years of pleasurable and unforgettable flight experiences.

This paraglider will not protect you from the dangers of rash flight manoeuvres and weather changes.

Your ICARO-Team.



Fly & more Handels GmbH ICARO Paragliders
Hochriesstraße 1, 83126 Flintsbach, Germany
Telefon: +49-(0) 8034-909 700 Fax: +49-(0) 8034-909 701
E-mail: office@fly-more.com Web: <http://www.icaro-wings.de>



Appendix: Guarantee card, Certification, Airborne Sports Equipment – INFO, Lineplan

GUARANTEE CARD

Owner of glider/ harness/ rescue system

Name	
Address	
Zip Code	City/ country
Phone / Fax / e- mail	
Common flying site	Flight experience

Main field of usage of the glider/ harness (please mark)			
Leisure	Competition	Training	Professional
Acro	Powered	Commercially	

Datas above glider/ harness/ rescue system		
Type und size of glider/ harness/ rescue system	Purchasing date	Serial number

Dealer/ICARO agency: (Name and address or stamp)

Furthermore, I would like to inform Fly & more Handels GmbH / ICARO Paragliders as follows:

Date

Signature

All personal data will be treated in strict confidence and not passed on to third parties without your consent.

Deutscher Hängegleiterverband e. V. im DAeC

DHV/OeAeC-Technikreferat

LBA-anerkannte Prüfstelle für Hängegleiter und Gleitsegel



MUSTERPRÜFBESCHEINIGUNG

Gleitsegel

Musterprüfnummer **DHV GS-01-1511-06**

Bezeichnung des Gerätemusters

Icaro Incanto S

Das nachstehend bezeichnete Luftsportgerät ist als Muster geprüft im Auftrag von:

Fly & more GmbH, ICARO, Hochriesstraße 1, 83126 Flintsbach, Deutschland

Diese Musterprüfbescheinigung ist erteilt auf Grund der die Musterprüfung betreffenden Bestimmungen des Luftverkehrsgesetzes, der Luftverkehrs-Zulassungs-Ordnung, der Verordnung zur Prüfung von Luftfahrtgerät und der Lufttüchtigkeitsforderungen in der heute geltenden Fassung sowie zu den Bedingungen der Vereinbarung über Musterprüfung und des Schreibens vom 10.05.2006.

Die Musterprüfung gilt gemäß zugehörigem Geräte-Kennblatt Nr.: **DHV GS-01-1511-06**

10.05.2006

Datum der Ausstellung

Unterschrift



Deutscher Hängegleiterverband e.V. im DAeC
DHV/OeAeC-Technikreferat
 LBA-anerkannte Prüfstelle für Hängegleiter und Gleitsegel
 Beauftragter der österreichischen Luftfahrtbehörde

Luftsportgeräte-Kennblatt Gleitschirm

Geräte-Kennblatt Nr.: *DHV GS-01-1511-06* Ausgabe:0 Datum: *10.05.2006*

I. Musterprüfung

1. Gerätemuster: *Icaro Incanto S*
2. Hersteller: *Fly & more GmbH, ICARO*
3. Datum der Musterprüfbescheinigung: *10.05.2006*

II. Merkmale und Betriebsgrenzen

1. Gerätegewicht (ohne Packsack kg): *6.3*
2. Zulässiges Startgewicht minimal (kg): *65* maximal (kg): *90*
3. Anzahl der Sitze: min: *1* max: *1*
4. Klasse: *1-2*
5. Gurtzeugbeschränkung: *GH*
6. Fußbeschleuniger: *Ja*
7. Trimmer (von Hand zu bedienen): *Nein*
8. Projizierte Fläche (m²): *21.11*
9. Windschlepp: *Ja*
10. Tragegurtlängen (mm):

	Tragegurt A:	Tragegurt A2:	Tragegurt B:	Tragegurt C:	Tragegurt D:
normal:	<i>500</i>	<i>500</i>	<i>500</i>	<i>500</i>	<i>500</i>
beschleunigt:	<i>360</i>	<i>380</i>	<i>380</i>	<i>440</i>	<i>500</i>

Deutscher Hängegleiterverband e. V. im DAeC
DHV/OeAeC-Technikreferat

LBA-anerkannte Prüfstelle für Hängegleiter und Gleitsegel



MUSTERPRÜFBESCHEINIGUNG

Gleitsegel

Musterprüfnummer **DHV GS-01-1488-06**

Bezeichnung des Gerätemusters

Icaro Incanto M

Das nachstehend bezeichnete Luftsportgerät ist als Muster geprüft im Auftrag von:

Fly & more GmbH, ICARO, Hochriesstraße 1, 83126 Flintsbach, Deutschland

Diese Musterprüfbescheinigung ist erteilt auf Grund der die Musterprüfung betreffenden Bestimmungen des Luftverkehrsgesetzes, der Luftverkehrs-Zulassungs-Ordnung, der Verordnung zur Prüfung von Luftfahrtgerät und der Lufttüchtigkeitsforderungen in der heute geltenden Fassung sowie zu den Bedingungen der Vereinbarung über Musterprüfung und des Schreibens vom 15.03.2006.

Die Musterprüfung gilt gemäß zugehörigem Geräte-Kennblatt Nr.: **DHV GS-01-1488-06**

15.03.2006

Datum der Ausstellung

Unterschrift



Deutscher Hängegleiterverband e.V. im DAeC
DHV/OeAeC-Technikreferat
 LBA-anerkannte Prüfstelle für Hängegleiter und Gleitsegel
 Beauftragter der österreichischen Luftfahrtbehörde

Luftsportgeräte-Kennblatt Gleitschirm

Geräte-Kennblatt Nr.: *DHV GS-01-1488-06* Ausgabe: *0* Datum: *15.03.2006*

I. Musterprüfung

1. Gerätemuster: *Icaro Incanto M*
2. Hersteller: *Fly & more GmbH, ICARO*
3. Datum der Musterprüfbescheinigung: *15.03.2006*

II. Merkmale und Betriebsgrenzen

1. Gerätegewicht (ohne Packsack kg): *6.5*
2. Zulässiges Startgewicht minimal (kg): *85* maximal (kg): *105*
3. Anzahl der Sitze: min: *1* max: *1*
4. Klasse: *1-2*
5. Gurtzeugbeschränkung: *GH*
6. Fußbeschleuniger: *Ja*
7. Trimmer (von Hand zu bedienen): *Nein*
8. Projizierte Fläche (m²): *23.39*
9. Windenschlepp: *Ja*
10. Tragegurtlängen (mm):

	Tragegurt A:	Tragegurt A2:	Tragegurt B:	Tragegurt C:	Tragegurt D:
normal:	<i>500</i>	<i>500</i>	<i>500</i>	<i>500</i>	<i>500</i>
beschleunigt:	<i>370</i>	<i>390</i>	<i>390</i>	<i>440</i>	<i>500</i>

Deutscher Hängegleiterverband e. V. im DAeC
DHV/OeAeC-Technikreferat

LBA-anerkannte Prüfstelle für Hängegleiter und Gleitsegel



MUSTERPRÜFBESCHEINIGUNG

Gleitsegel

Musterprüfnummer **DHV GS-01-1489-06**

Bezeichnung des Gerätemusters

Icaro Incanto L

Das nachstehend bezeichnete Luftsportgerät ist als Muster geprüft im Auftrag von:

Fly & more GmbH, ICARO, Hochriesstraße 1, 83126 Flintsbach, Deutschland

Diese Musterprüfbescheinigung ist erteilt auf Grund der die Musterprüfung betreffenden Bestimmungen des Luftverkehrsgesetzes, der Luftverkehrs-Zulassungs-Ordnung, der Verordnung zur Prüfung von Luftfahrtgerät und der Lufttüchtigkeitsforderungen in der heute geltenden Fassung sowie zu den Bedingungen der Vereinbarung über Musterprüfung und des Schreibens vom 15.03.2006.

Die Musterprüfung gilt gemäß zugehörigem Geräte-Kennblatt Nr.: **DHV GS-01-1489-06**

15.03.2006

Datum der Ausstellung


Unterschrift



Deutscher Hängegleiterverband e.V. im DAeC
DHV/OeAeC-Technikreferat
 LBA-anerkannte Prüfstelle für Hängegleiter und Gleitsegel
 Beauftragter der österreichischen Luftfahrtbehörde

Luftsportgeräte-Kennblatt Gleitschirm

Geräte-Kennblatt Nr.: *DHV GS-01-1489-06* Ausgabe: *0* Datum: *15.03.2006*

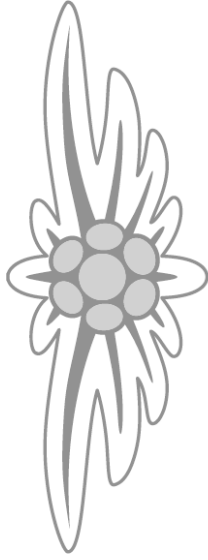
I. Musterprüfung

1. Gerätemuster: *Icaro Incanto L*
2. Hersteller: *Fly & more GmbH, ICARO*
3. Datum der Musterprüfbescheinigung: *15.03.2006*

II. Merkmale und Betriebsgrenzen

1. Gerätegewicht (ohne Packsack kg): *6.8*
2. Zulässiges Startgewicht minimal (kg): *100* maximal (kg): *125*
3. Anzahl der Sitze: min: *1* max: *1*
4. Klasse: *1-2*
5. Gurtzeugbeschränkung: *GH*
6. Fußbeschleuniger: *Ja*
7. Trimmer (von Hand zu bedienen): *Nein*
8. Projizierte Fläche (m²): *26.28*
9. Windschlepp: *Ja*
10. Tragegurtlängen (mm):

	Tragegurt A:	Tragegurt A2:	Tragegurt B:	Tragegurt C:	Tragegurt D:
normal:	<i>500</i>	<i>500</i>	<i>500</i>	<i>500</i>	<i>500</i>
beschleunigt:	<i>355</i>	<i>375</i>	<i>375</i>	<i>440</i>	<i>500</i>



ICARO
PARAGLIDERS

INCANTO LTF 1-2

