

Clouddancers – User manual

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1. Prior to first use

Apart from the covers there are a number of items included in the delivery. In particular this would be the hooks and the rubber cord (Image 1) which has to be attached to the covers prior to use. The most practical way to do this is to put the covers on the aircraft.

As the covers are shipped as a roll it is best to have a helping hand for the first use. At this time we would ask you to check if all parts of the covers (winglets, solar cell window, competition call sign) are there.

Although the covers are designed to withstand mechanical stress it is advisable to use extra care especially on sharp edges like the ailerons when putting the covers on.

The wings and the elevator are colour coded - red is left and green is right. Once the covers are put on they are connected with the velcro straps.



Image 1: Hooks and rubber cord

Wings:

Both ends of the rubber cord are attached to the latches with hooks. Now the cord is being pulled to the other latch until there is a slight tension. Now cut the cord and fix the hook. The hook consists of two parts - a hook and a sleeve. Slip the sleeve over the cord, insert the cord into the hook part and slide the sleeve over the hook. Image 2-4 show how this is done.



Image 2-4: Mounting the hooks

Fuselage:

The hooks for the fuselage are mounted just like the ones for the wings. Please make sure that the cords in front and the trailing edge of the wings are crossed (Image 5). This makes sure that the cover fits best.



Image 5: Crossed cords

2. Standard use

With Clouddancers allweather covers it is possible to leave the aircraft outside in next to allweather conditions. There are however a few things to consider:

Please do always use tie-downs to make sure the aircraft is secured. We use trestles and tie-downs and we also make sure the tail can not move in strong wind. When you use tie-downs over the wings please be careful not to damage the trailing edge or the ailerons of the wing.

In middle European climate you will normally experience a certain amount of dew to accumulate overnight on the covers. The covers are designed to transport moisture fast. What we recommend is to keep the covers on as long as possible before launch - we transport our gliders to the launch point with covers on. Normally the covers will be dry by the time the first thermals start. Should this not be the case it is advisable to store the covers unpacked in the trailer. Manually drying the covers with a chamois is not advisable - the drying process is significantly enhanced. We normally recommend to keep the covers on as long as possible - the aircraft is well protected and should it rain prior to launch there is no need to dry the glider.

Filling in water ballast is possible with the covers on - just move them a little bit to the side for ballasting the glider.

Opening the cockpit is still possible when the covers are on the glider - for this we have fitted a zipper to the lower side of the nose (Image 6).



Image 6: Zipper on lower side of nose

3. Taking covers off

To take the covers off remove the hooks from the latches on the fuselage and open the zippers. The hooks on the wings can normally remain attached. After separating the parts at the velcro joints the cover parts can be packed.

It is easiest to push the wing covers from the wing root outwards until they form a kind of accordion. Now the black straps with the fastex joints can be used for keeping the wing covers together - you will realize that taking covers off is also much aided by the black strap (Image 7, 8)! In addition there is a bag attached to the lower side of each wing root for storing the covers (Image 9). But please make extra sure that the covers are completely dry before storing them! In addition it is advisable to keep the covers free from dirt as particles between the covers and the aircraft might damage the gelcoat.



Images 7-9: Function of the fastex strap and the bags

4. Putting covers on

With the fastex strap it is easy to get the covers over the winglet onto the wing - now all you need to do is to pull the cover down to the wing root. Please be careful with the sharp trailing edges of flapped gliders and the aileron! Make sure to get the colour coding right, red is left, green is right.

If you want to fit the optional impact protection you will have to do this prior to putting the covers on. Reverse the covers and fit the impact protection, then reverse the covers again and fit them on the wing.

After the velcro straps are connected and all the hooks are on the latches, we strongly recommend to tie the aircraft down appropriately.



Image 10-12: Mounting elevator, rudder and the wing (seen from below)

5. Care instructions

When soiled the covers can be cleaned with a wet cloth.

If the covers are really dirty we advise cleaning them in the washing machine using no more than 30° Celsius and a mild detergent. Do not tumble dry! It is not advisable to wash the covers too often as the impregnation can be damaged - we recommend not to wash covers more than once a year.

6. Warnings

The company Clouddancers Covers cannot be held liable for any damages resulting from the use of our covers.

Also we would like to point out again that it is still imperative to tie down the glider even with covers on. In dubious weather (storm, hail) derigging is the safest option. Please do take note that even our covers with the option impact protection will not save your glider from damage in a hailstorm!

Allweather covers are not a toy - do not let your children play with - or in - them. There is a severe risk of suffocation!

**In case of any questions please write to info@clouddancers.de
We like to help our customers!**