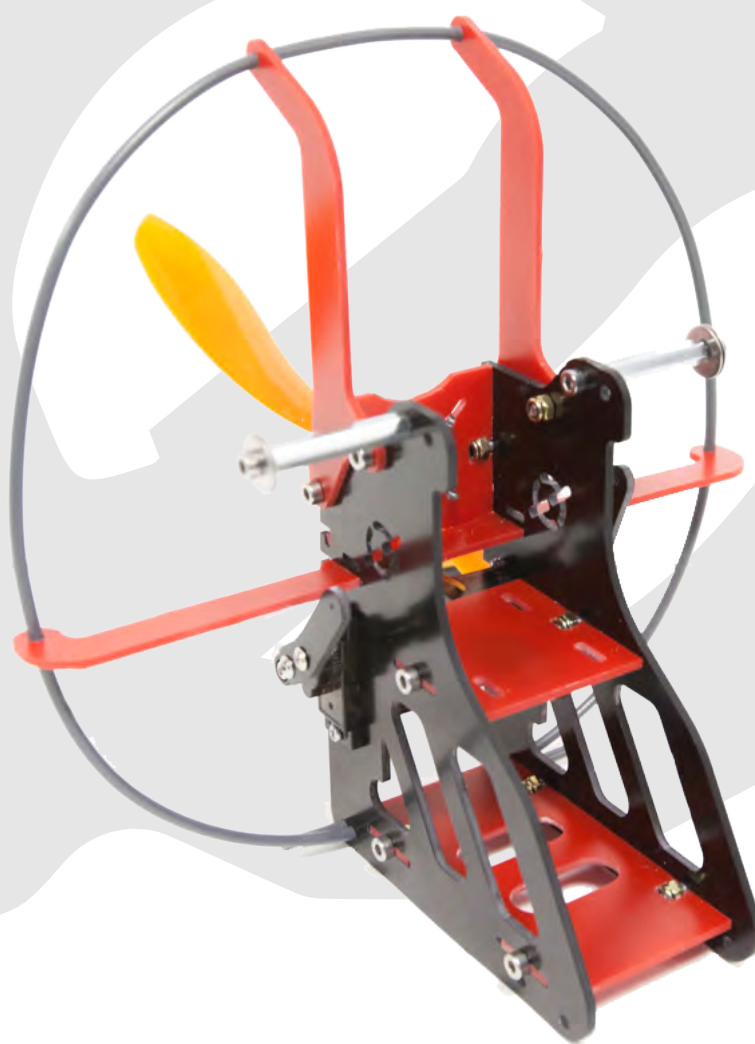


Backpack XXS2



Thanks for reading before first use.

Thanks for having chosen an Opale-Paramodels product. We truly believe this remote-controlled paraglider is going to give you hours of enjoyment and will enable you to go through new outstanding piloting experiences. This user's guide content includes all the information you need to get your wing in flight and to ensure you will take good care of it. A good knowledge of your equipment will allow you to safely obtain most of its performances for your greatest pleasure! Thanks for giving this manual to the new owner in case you decided to sell your radio-controlled paraglider.

Best regards,

The Opale-Paramodels Team

Safety Information

You should be properly insured according to the country regulation you are using our equipment in.

You hereby accept the inherent risk of flying radio-controlled models.

Using our equipment in a bad way may increase risks. Neither Opale-Paramodels nor any other seller will be liable for any damage caused by any accident whatever the circumstances are. The way our equipment is used is incumbent upon the final user, including towards the law.

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Warranty

The frame is guaranteed against any manufacturing defect.

If, while using, the pilot cut or damage a bridle, tear any part of the wing, repair and replacement of damaged parts are not taken in account by the warranty and the user will be charged for it.

Frame Composition

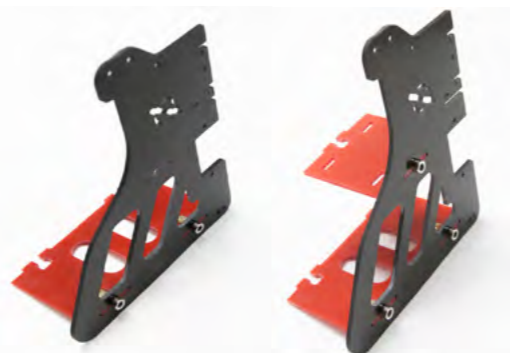


Specifications

Dimensions: 19x18x9,5cm
 Minimum mass in order of flight : 250gr
 Maximum mass in order of flight : 500gr
 Matériaux: Aluminium / Steel / Plastic loaded with Glassfiber / PVC
 Risers gap : 10,5cm
 Servomotors : 2.2kg.cm 22x12x30mm
 Motorization: Recommended power from 63 and 200W
 Propeller : 6 inches maximum

Frame Assembly

Mount the side and the lower platinum by mean of 2 CHC M3-8 and nutlockings.
Use a CHC M3-8 screw and nutlockings for the superior platinum.



Mount the opposite side by mean of 3x CHC M3-8 and 3x nutlockings.



Insert the horizontal shroud by sliding it above the location of the servomotor.



Position the motor support. Push it forward then to the bottom following the manufacturing shape.



Prepare 2x CHC M3-8 screws on the two superior shrouds.



Mount the superior shrouds by mean of 4x M3 nutlockings (incl. 2 on the motor support).



Mount the servomotor (without arm) by mean of 2X Phillips screws M2*8.
Perform the same operation on the opposite side.



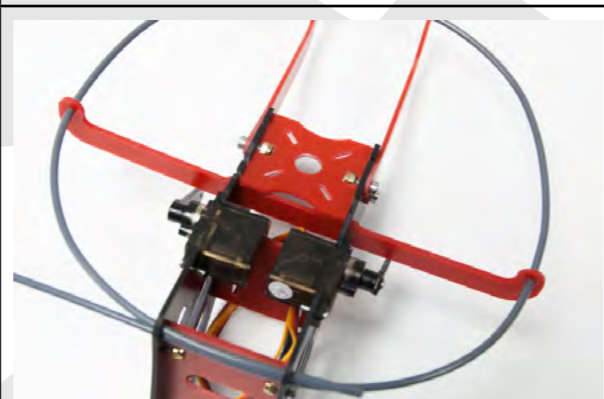
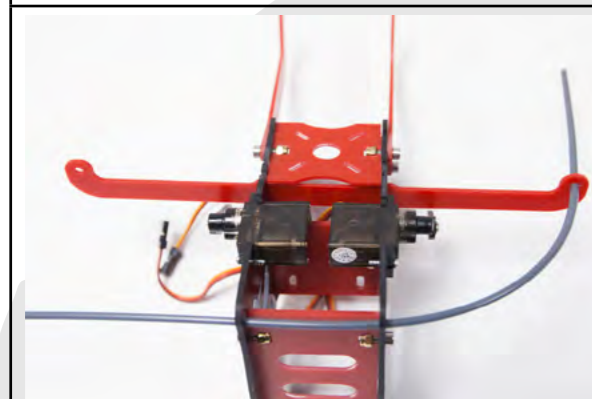
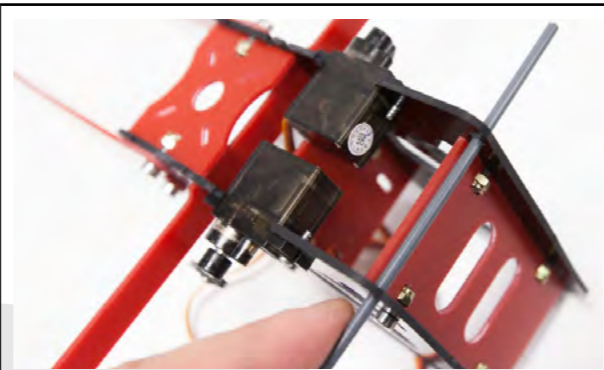
Perform the arm mounting on the servomotor's arm by mean of the two Phillips screws provided with servomotor. The operation must be done with symmetry for the opposite arm.



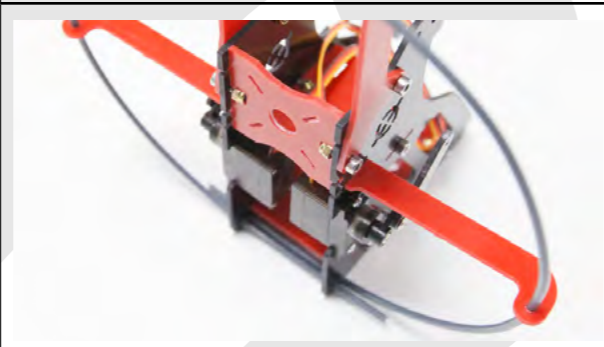
Position the servomotor on the high mechanical stop. Then insert the arm. Repeat the same operation on the opposite side.



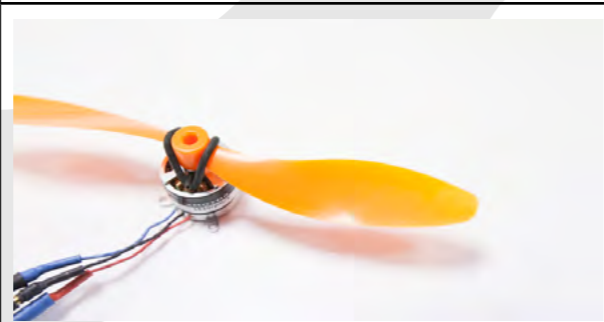
Insert the PVC strand through one of the two holes planned at this purpose on the rear of the frame. Insert it centimeter by centimeter.



Cut the extremity as on the picture.



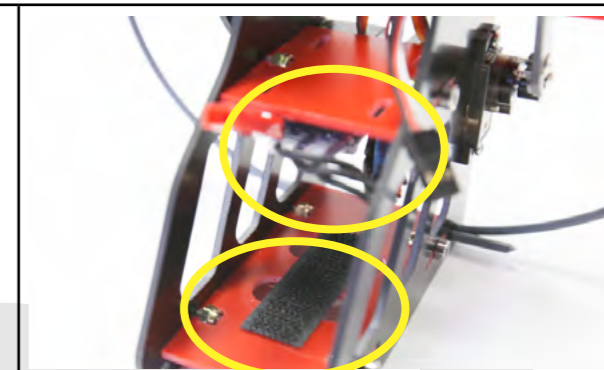
Mount the propeller on the motor by mean of the rubber band provided with motorization. Be careful with propeller mounting sense. The surface holding the indications with the propeller size must be directed towards the motor.



Mount the motor by mean of 4x M2-8 Phillips screws.



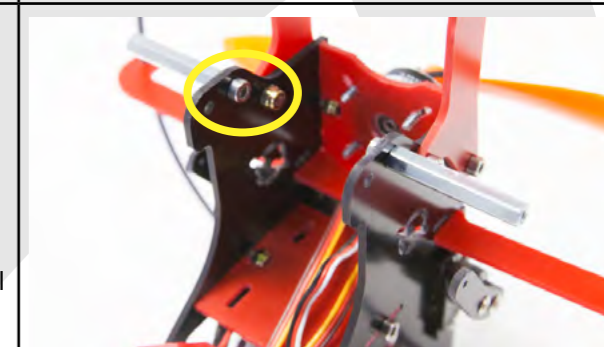
Install the ESC under the intermediate platinum. Then, put adhesive velcro on the inferior plate.



Velcro will let you solidly fix your battery.

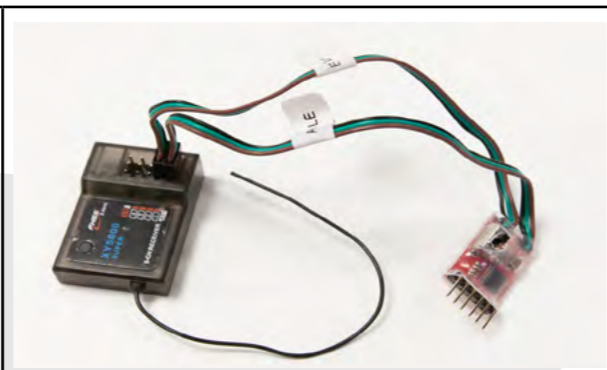


Install the spacers on each side of the frame by mean of 2x CHC M3-8. The spacers position will depend of your centring while your battery is installed. If your frame is nosedown, you must use the first position. If your frame is strongly nose up, you will have to move backwards the fixation spacers. Do not forget to move the battery for this setting. Its influence is important. It is essential to obtain a horizontal plate.



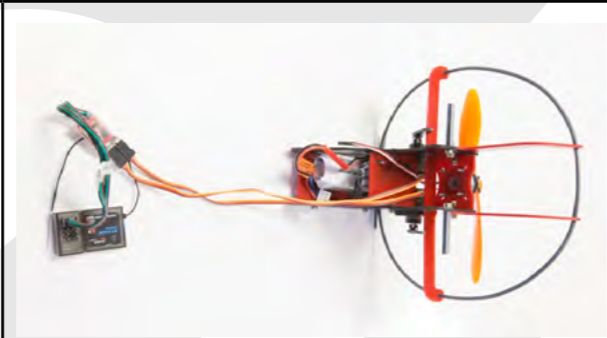
Remote Control Mounting

Hold on the remote control and its receiver. Connect the mixer on the receiver by respecting affectations on the axes "Aileron/Depth". Please refer to the Remote Control manual.

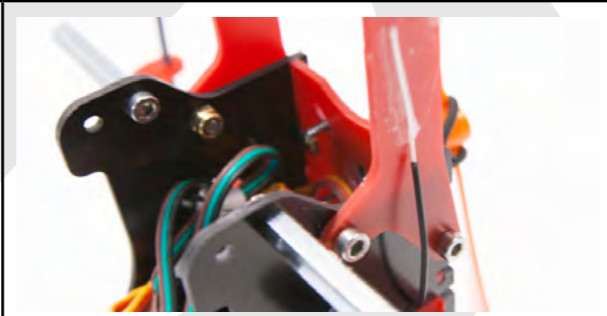


Connect the servomotors on the mixer. Please refer to the mixer video tutorial for connecting and using.

<https://youtu.be/P2njCNCTudU>



Dispose antenna(s) on the receiver on the superior shrouds of the frame. This position allow to obtain a good reception for the radio signal.



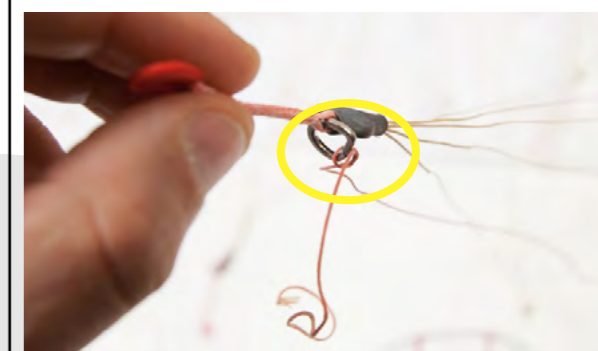
Functionnal test Remote Control / Mixer / Servomotors :

- All sticks to neutral:
 - Arms in maximum high position
 - Depth stick in low position.
 - Servomotors arms in maximum low position
- Aileron stick to the left or to the right:
 - Corresponding arm in maximum low position.

If this functioning is not present : arms raise while the depth stick is pushed upwards: check the switch position on the mixer.

Oxy 0.5 Wing Mounting

Dispose the wing flat.
Seize one of the risers.
Remove the knot performed on the brake line on the ring of the riser.
Let the brake line slide freely in this ring.
Perform the same operation on the second riser.



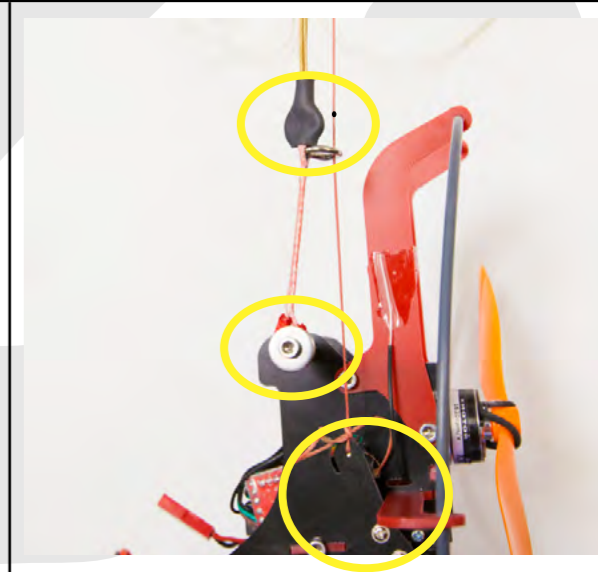
On the lower part of the riser, insert a CHC M3-8 with 2x M3 rings as on the opposite picture.



Fix the riser on the corresponding spacer.
Connect the brake line on the arm.
Turn on the remote control.
Connect the battery disposed on the frame.
The arms must be put in high position while having all the sticks to neutral (if it is not the case, please refer to the mixer video tutorial).

Adjust the brake line while maintaining the riser in the frame axis (as shown on the opposite picture). The black mark disposed on the brake line must be at the same level than the ring located into the heat-shrinkable sleeve.

Before taking off for the first time, think to check the good rotating sense of the propeller. If the sense is not correct, you will have to change two on the three connectors located between the motor and the ESC.



F.A.Q. Questions / Answers

My RC paramotor seems not to move forward very fast. How to remedy this problem?

If your model advance a little bit, or if it even stays on-the-spot, it is because your model is too light. In that case, you have to land and increase the weight with additional ballast or batteries until you obtain a 5 to 10 km/h with regard to the ground.

How do I know if the brakes bridle are adjusted correctly?

Brakes bridle are perfectly adjusted when the trailing edge is completely loose while flying, with the depth stick pushed up. Also, as soon as you push laterally of some millimeters the aileron stick, the trailing edge must begin to fold immediately. Otherwise, you must shorten centimeter by centimeter until you obtain an immediate control. It is a matter of the RC paramotor stability. The "Two inflating" method let perform a correct adjustment in 80% of cases. Think of it!

How do I know if the wing is correctly connected to the backpack?

When holding the model by the backpack/pilot, wing downwards, none of the bridle must cross, or turn around another bridle. Otherwise, you will have to untangle your wing. Before first flight, check the tightening of your inox buckles.

In what sense is it necessary to mount the propeller?

To obtain a maximal thrust, the propeller leading edge must be directed forward the backpack. It is easy to recognize the leading edge, because it is the bulged portion and non cutting side of the propeller. The trailing edge must be directed backwards. It is the cutting part of the propeller. Generally, propellers have a logo or a marking. It is most of the time put on the leading edge

How to inflate correctly his RC paramotor wing?

To inflate correctly his wing, it is essential to face it to the wind, at a sufficient distance from any obstacle. (generally 300m). Maintain your backpack at the basis and give a dry horizontal pulse while accompanying the rise of the wing. Throw smoothly the backpack straight away with a 50% engine speed

I broke a bridle. How can I replace it?

The bridle can be replaced easily by following the splice method described in this manual.

My wife is fed up with looking at me sleeping with my RC paraglider. What can I do?

This is a very complicated situation at first sight. Nevertheless, two solutions can solve this problem. At first, you can lend her your credit card during sales period, or, in a second time, ask her for a friendly divorce. (But prefer the first solution, your RC paraglider's custody is in the game!).

There is a hole in my wing. How can I fix it?

A hole can be fixed in a few minutes thanks to the adhesive tissue provided with your wing. Follow the instructions described in this manual at the previous chapter.

Why my wing doesn't inflate, even when facing to wind?

If the wing doesn't inflate even when facing to the wind, the brakes bridle adjustment is too short. In that case, extend them centimeter by centimeter then perform again the "two inflating" method, to ensure the control at first take off.

Is it possible to replace the risers ?

A riser can be replaced easily. Contact your Opale Paramodels dealer to obtain the correct reference
Is it possible for the RC paramotor wing to take away some material for shooting/FPV? Until which mass?
Each wing has a maximal takeaway capacity. Check the model total weight and compare it with the wing's takeaway capacity. You will obtain the payload value, compatible or not with your equipment. Be careful, if you make your paramotor strongly heavy, think of a more powerful motorization, by keeping a 150 W motor ratio / Kg of complete model.

F.A.Q. Questions / Answers

Can I fly anywhere with my wing? Is it a danger for the goods and the people?

You can't fly anywhere with your wing. To practice aeromodelling, you must own a third-party insurance and practice on a ground with the owner's agreement. Ideally, contact your aeromodelling federation. It is forbidden to fly in an urban zone and close to the houses. This type of model is not light, it can causes heavy physical and material damages. Use it carefully and without going above your limits.

Until which height can I fly the wing?

In order to not disturb aerial traffic, maximum authorized height is about 150m from the ground. Contact your federation and the organism of aerial traffic management of your country to have reliable information about it.

Is it possible for my hamster to fly my RC paramotor? Which precautions to take?

Check if your hamster is solidly attached to the backpack. The wear of a helmet and flysuit is advised. If you perform several 360 and wingovers, think of install under the batteries, a little plastig bag near its paws with few menthol candies.

Can I do another use of the paramotor wing?

This wing can be used for slope soaring without backpack. In that case, you will have to attach a pilot as real paraglider discipline

Is it possible that the wing deflates while flying? Which behavior to adopt in that case?

If your wing deflates while flying and begin to reverse, it is because you have too much requested the brakes. To remedy this phenomenon, slacken gradually the radio sticks and think of cutting the throttle.

Is it important to untangle correctly the bridle before flying? How can I do? I am lost with all those strings!

It is essential to untangle well the bridle. If not, you can strongly distort the flight characteristics of the wing. To untangle all the bridle fastly, drop the wing out of the backpack. Hold the riser by the endpoint and seize one by one the bridle around the principal bridle package Always take first the most distant bridle

My wing is caught in a thermal and gets altitude. What can I do to regain control?

This scenario is usual when convection conditions are present. In that case, no panic. Relax and maintain a trajectory as rectilinear as possible to fastly go out of the thermal.

How can I maintain and clean my wing?

If you made your wing dirty, you can clean it with a wet cloth. You can rinse it with clear water as well. Never use chemical products! The tissue could be hardly damaged. Think of tidy your wing in a dry place, shielded from UV and humidity.