User's manual



Please read this manual before first use.



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Thanks for having chosen an Opale-Parmodels product. We truly believe this remote-controlled paramotor 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

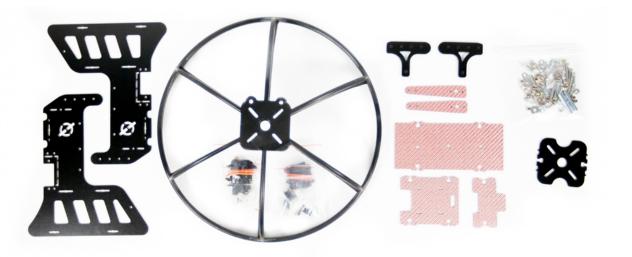
The frame is guaranteed against any manufacturing defect.

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.



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Frame composition



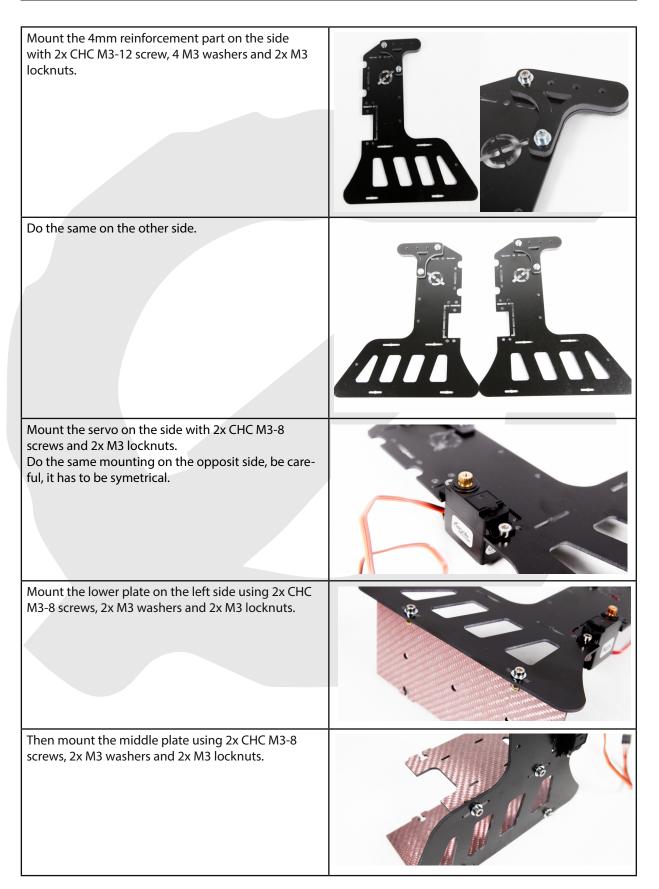
Specifications

Dimensions: 19x18x9,5cm / 7,5x7,1x3,7in Minimum mass in order of flight : 0,8kg / 1,76lb Maximum mass in order of flight : 2kg / 4,41lb Matérials: Steel/ Glassfiber with Epoxy resin/Carbon fiber 3K Risers spacer: 14cm / 5,5in Servomotors : 4kg.cm (22x12x30mm / 0,8x0,5x1,2in) to 10kg.cm(40x20x40mm / 1,6x0,9x1,6in) Motorization: Recommended power from 380 to 965W Propeller : 10 inches maximum



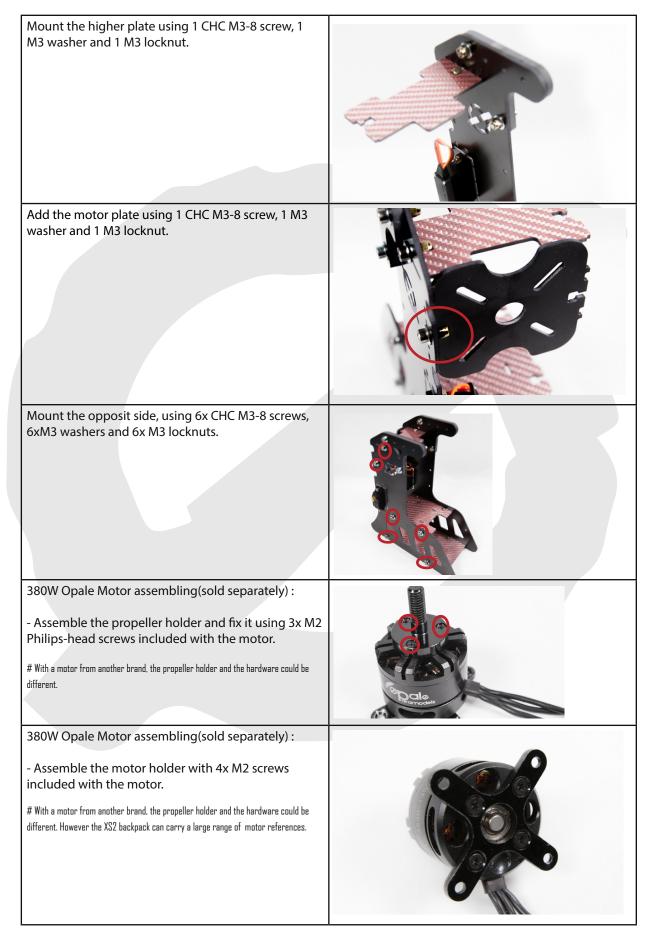
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Frame assembling

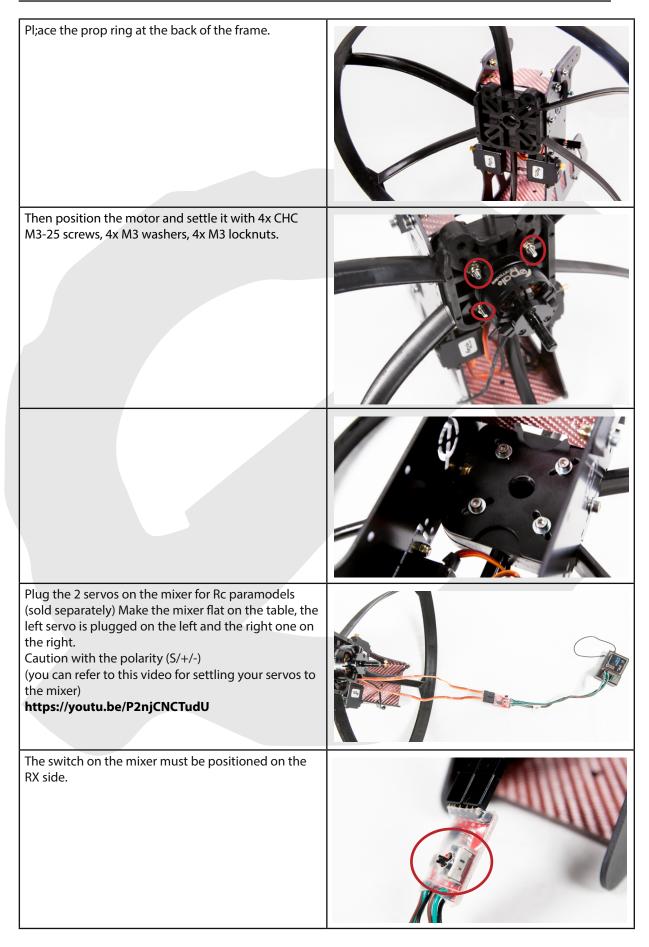




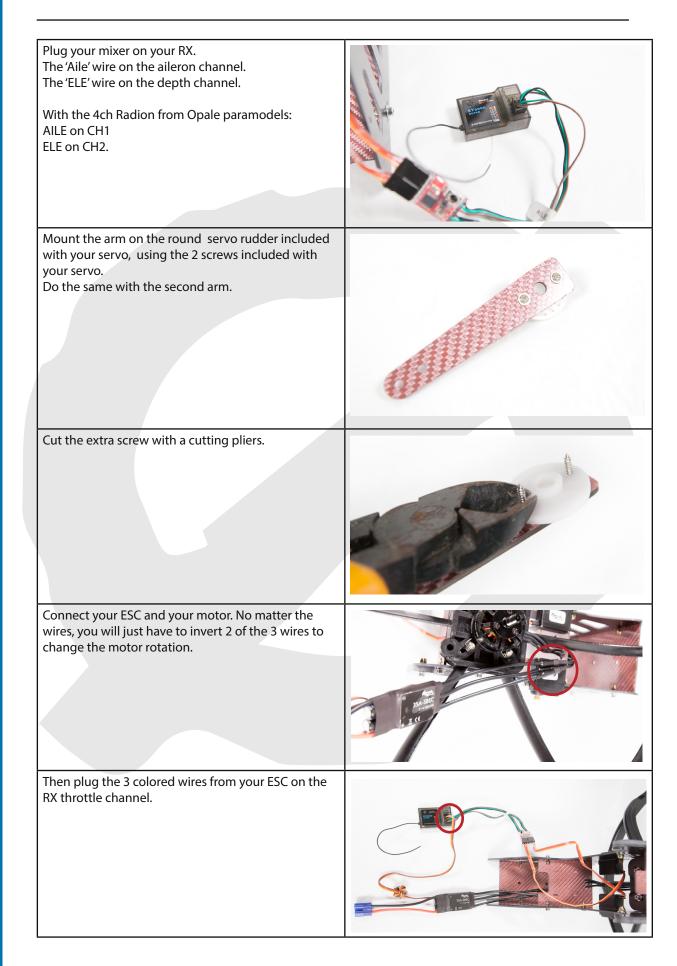
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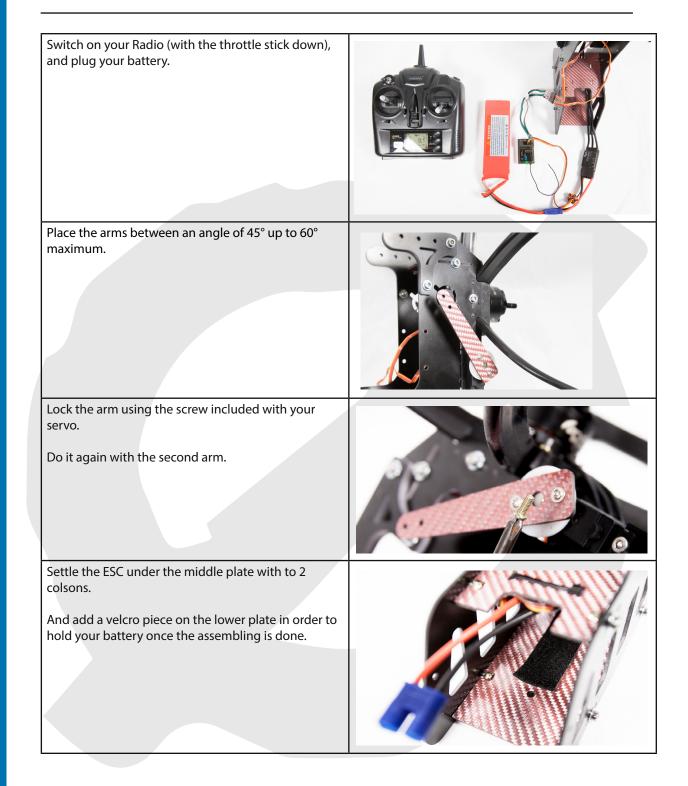














Adjusting the angle of attack

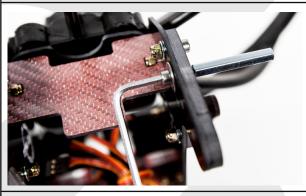
Install the battery on the lower frame.

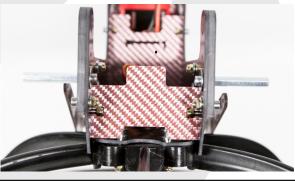
Then using a briddle or a screwdriver, hang the frame by its anchor points. In order to have the best flight conditions, choose the anchor points that allows to have an angle of attack

from 0° up to 5°C.

Mount the M3-30 brace, using the CHC M3-16 screws and a large M3 washer on the chosen hole. Firmly tighten the screw with the brace(it's advised to add thread lock on the screw thread).

Do the same with the other side.







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Radio operation (4ch 2,4Ghz)

Find below the Radio operation 2,4Ghz 4ch from Opale paramodels. Equipped with the mixer for RC paramotors from Opale. To obtain the full clearance, make sure that the top left swith is in HIGH position (on LOW position: only 50% of clearance).



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Wing mounting

 Before to proceed, unpack the wing and make sure that no lines are entangled.

 Set the wing risers at the edge of the brace with a CHC M3-16 screw and hold the buckle of the risers between 2x M3 washers. Do not hesitate to use thread lock to secure that part.

 Untie the brake line of the wing risers.

 The brake line of the wing risers.

 Hold the black mark at the level of the last ring located on the last line row.

 Then tie the brake line in ther arm in order to secure the brake line.



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Propeller mounting

PLace the propeller on the motor axis. The Opale logo on the propeller must be oriented on the frame front side.



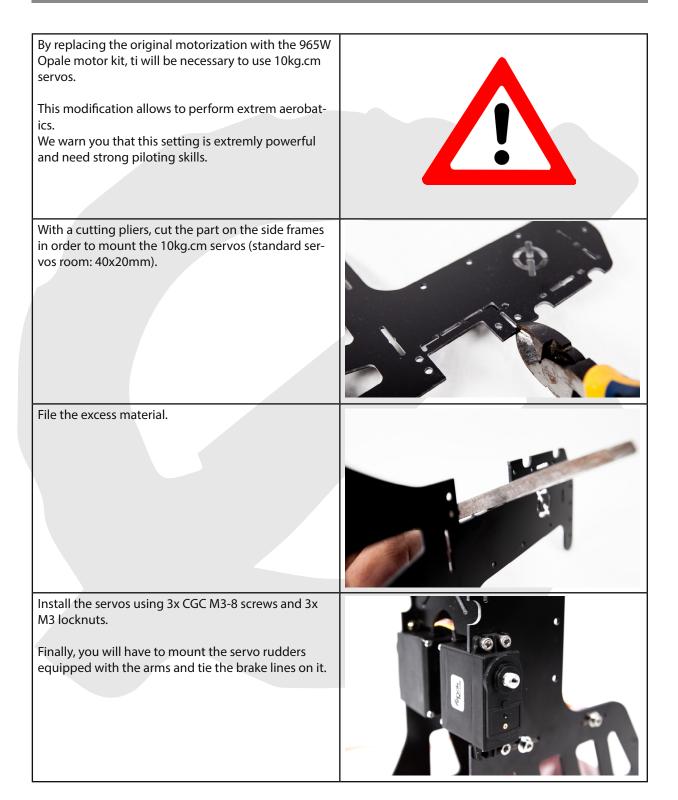
Add the washer and then the nut. Firmly tighten with a 10mm allen wrench. Do not hesitate to add thread lock.





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Acro setting (optional)





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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 millimiters 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 centimer 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.



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F.A.Q. Questions / Answers

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.

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 befor 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 rince 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.



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