BackPack M

User's guide

Please read carefully this manual before using your equipment for the first time.

Thanks for having chosen an Opale-Parmodels product. We truly believe this radio-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 fly and to ensure you will take good care of it. A good knowledge of your equipment will allow you to safely make the most of its performances for your greatest pleasure!
Thanks for giving this manual to the new owner in case you decided to sell you radio-controlled paraglider.

Best regards,

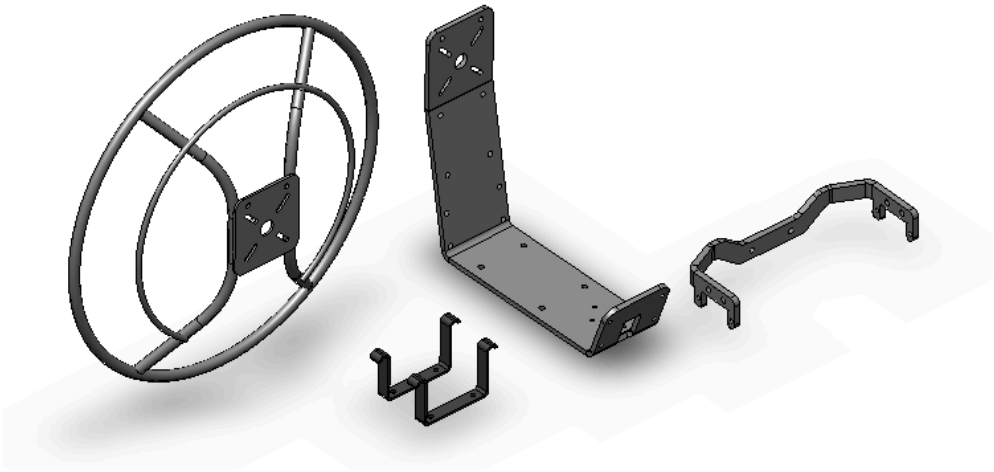
The Opale-Parmodels Team

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.
This product **has not been designed for children under the age of 14**, so it is forbidden to use it in this case.

Sommaire

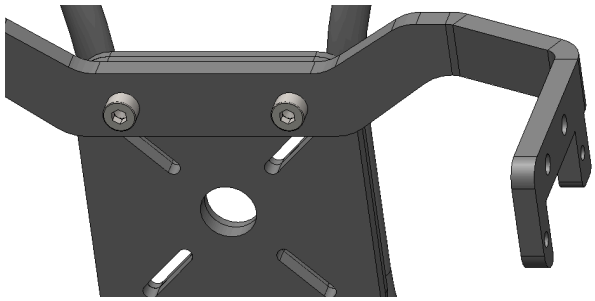
1. Kit Content



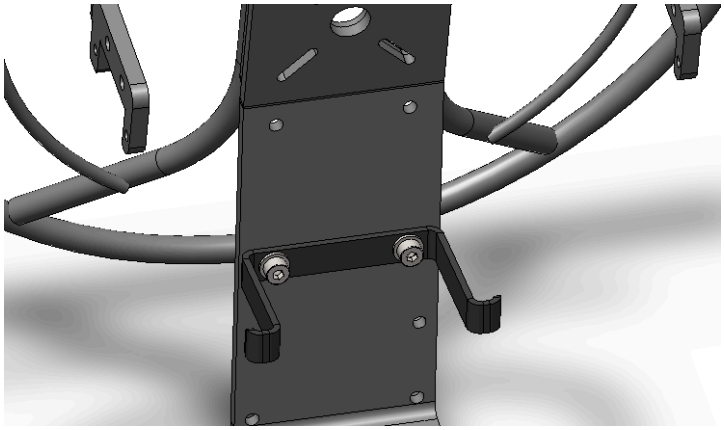
- 1x 11inch Ring
- 1x Main plate for Backpack M
- 1x Speedbar System for Backpack M
- 2x Pilot Fixation for Backpack M
- 2x Rubbers
- 2x Stainless steel buckles
- 1x Screws bag

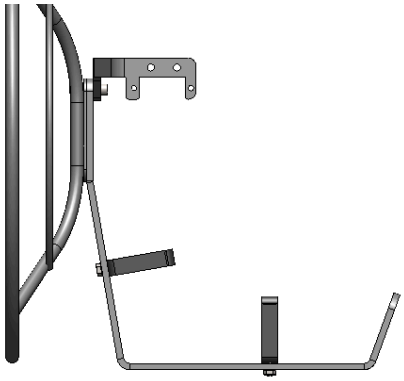
2. Backpack M Assembly

1st step: is to secure the Speedbar System, the main plate and the ring.
For this, grab a Speedbar first, the main board and 2 screws CHC M4-20 with 2 nuts.
Perform the installation as on the image below, taking care to align the mounting holes of the motor.

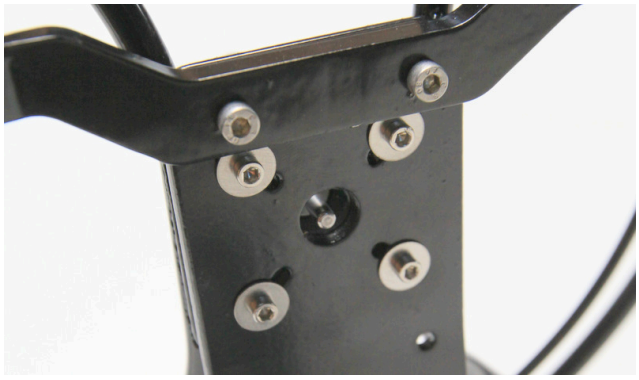


2nd step: Assembly of two Pilot Fixations. Bring your 4 screws CHC M3-10 M3 with 4 washers and 4 locknuts M3
Assemble as in the image below.

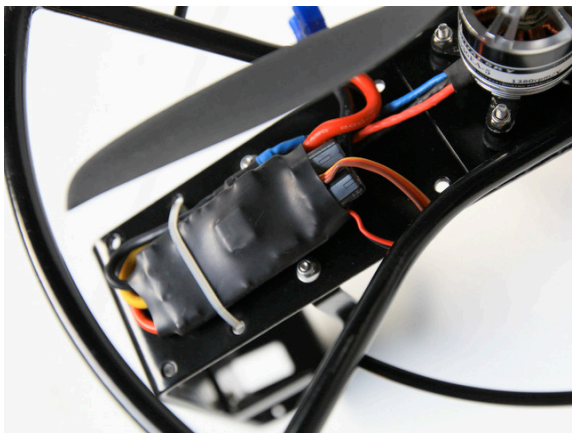




3rd Step: Motor mounting
After following the installation instructions provided with your engine, grab 4 screws M3-20 with washers and lock nuts.
Complete motor assembly in accordance with the photos below.



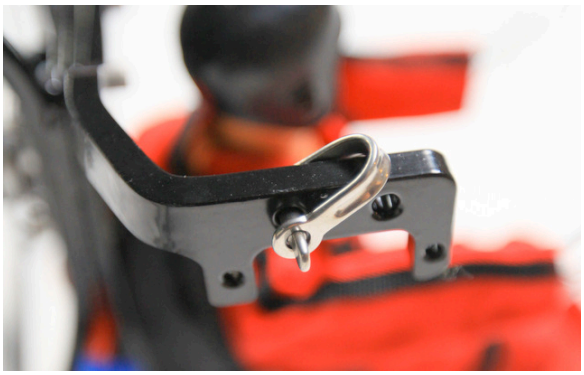
Then perform the installation of the propeller (Note that we recommend to use a propeller size which not exceeding 10inches. Besides, the ring can no longer do its aim). Do not forget to check the mounting direction of the propeller and the motor. The leading edge of the propeller should always be directed towards the front of the backpack.
Your ESC is then placed under the engine. 2 holes are provided for this purpose in order to fix it with a plastic collar



4th Step : Pilot installation

Bring your pilot which is Ready to fly as well with two elastic supplied with your Backpack.
The pilot's feet must always be inside the main board to protect the pilot when it impacts on the ground.
The Ballast is also placed at the bottom of the harness under the pilot's legs. Then insert your battery and receiver.
Depending on the load of your backpack (+ or - battery or ballast), it may be necessary to adjust the position of the attachment loops of the wing, so that a plate Backpack is always horizontal or slightly nose 5 °.

Now your Backpack M is ready to fly in standard configuration.

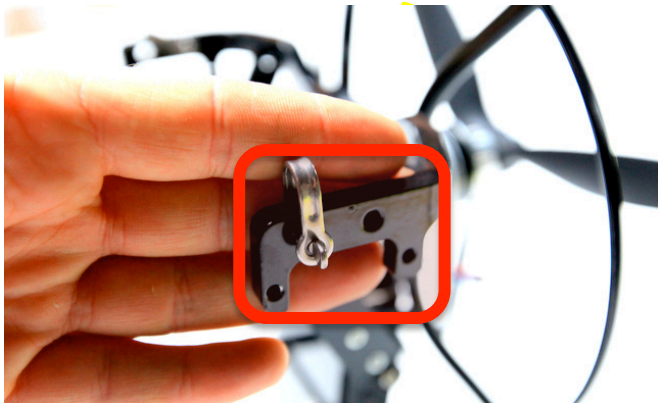


Don't forget to read your wing's manual for the rest of the settings.

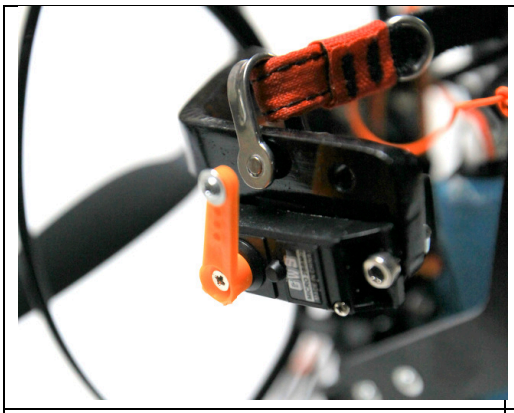
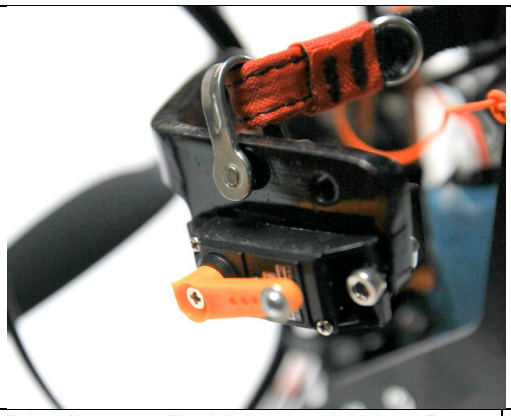
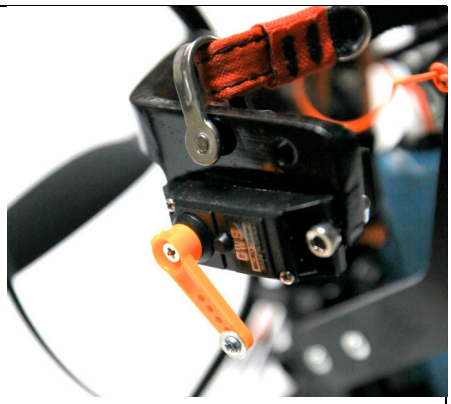
3. Speedbar System Assembly (OPTION)

The use of the Speedbar is only optional. It's in any case an obligation for flying normally. For beginners, we advise to not use it for the first flights.

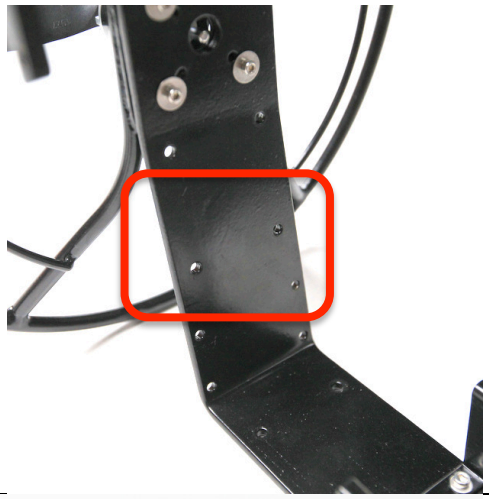
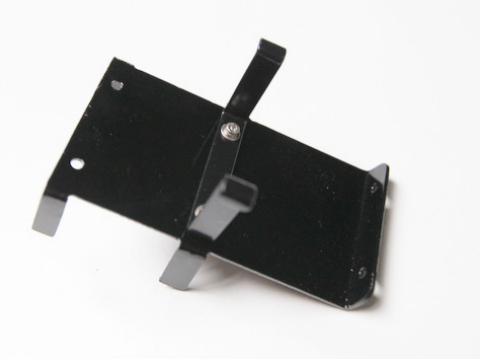
For this step, you will need to bring 2x micro servos (not included with the BackPack M)with 6kg.cm torque and 4 screws M3x10 with nuts

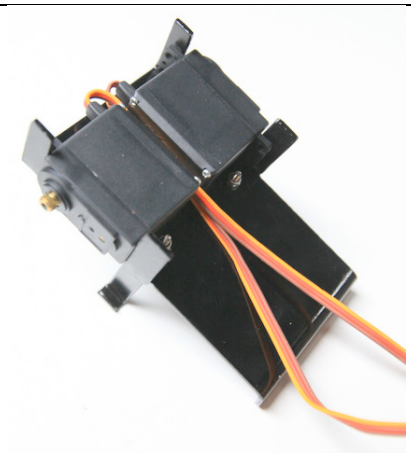
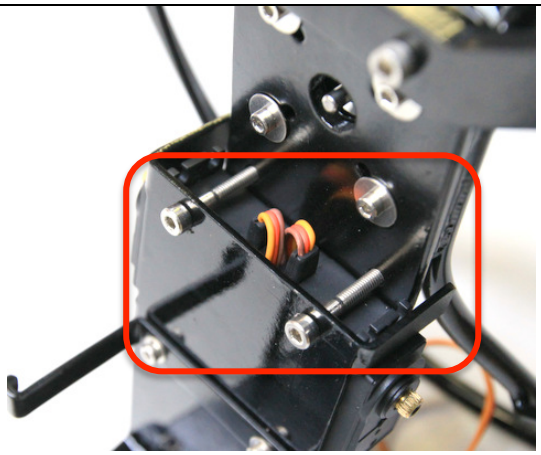
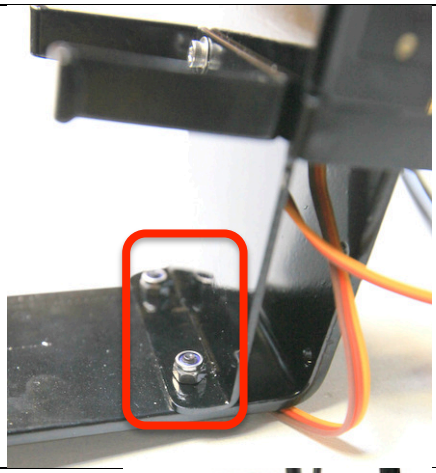


In order to get the maximum performance of your speedbar system, we recommend the configuration below. It is important that your setting is symmetrical, in order to have a perfect balance during flight. Otherwise when you operate the Speedbar, your wing drift left or right.

		
High performance position, the A lines are released	Take off position. The A lines are pulled down 5 to 10mm (depends on the wing you have)	Max Speed position. The A lines are pulled down 10 to 20mm(depends on the wing you have)

4. Servo Holder Assembly (OPTION)

At first, remove this pilot fixation on the dorsal side of the main board.	
Mount the pilot fixation on the Servo Holder with the 2 screws M3-10, nuts and washers.	

Install your two actuators 10kg.cm format (standart). Remember to pass the wires between the two servos.	
Set initially the upper side of the servo holder with 2 screws CHC M4-30 and M4 locknuts	
Set the lower side of the servo hold with 2 screws CHC M4-12 and M4 clocknts	
Install the pedals and arm actuators 10kg.cm: - Put the arms at the highest mechanical stop - Adjust the position of the arm to the vertical position when the servo is on mechanical stop - Do the same for the other servo	

5. Landing Gear Assembly (OPTION)

Install the frontwork by using 4 screws CHC M3-10 and locknuts as the picture bellow.

Assembly your wheel which his size is maximum 3inch diameter, with a 5mm shaft diameter.

After use as axle a CHC M5-45 screw with a locknuts. Use the spacers which are provided with your sheels in order to limit the moves.

Now for the rear axle, get 2 wheels and assembly them as describe :

- insert a CHC M5-45 screw as wheel axle with a locknuts. Please don't tighten it too much in order to have a free rotation of the wheel

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So install the 2 wheels on the rear landing gear part by adding and other locknuts.

Then assembly the rear landing gear with 4x CHC M4_20 screws with locknuts. Then the landing gear is now ready to be used.