



Rescue Kit pour DJI S800

User's Guide

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

Thanks for having chosen an Opale-Paramodels product.

We truly believe this radio-controlled rescue system is going to give you the most advanced safety technology on your multicopter. This user's guide content includes all the informations you need to get your system read 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!

Thanks for giving this manual to the new owner in case you decided to sell you radio-controlled paraglider.

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.

Summary

1. Kit contents
2. How to assembly the rescue system and how to install the parachute
3. How to package the rescue parachute

1. Kit contents



- 1x rescue system frames for DJI S800
- 2x straps for attaching the rescue on the frame
- 1x ejection strap
- 2x Rubbers
- 1x Extraction Pod L size
- 1x 6sqm rescue parachute
- 1x servomotor 6,4kg.cm

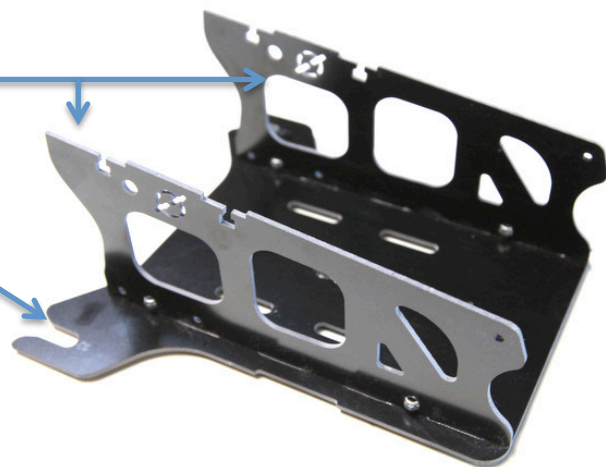
ref RSES80
ref STR800
ref STR800
ref STR800
ref RSPDDL
ref RSG0SETI
ref SER64KG

2. How to assembly the system

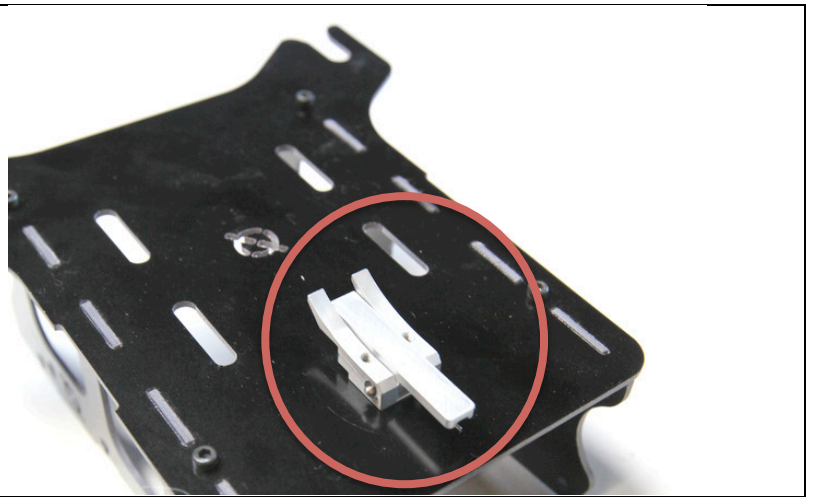
In the package who contain all the parts, please take the followings items :

- 2x side frames
- 1x battery frame

Screw them with 4x CHC M3-8 screws and 4x M3 nuts

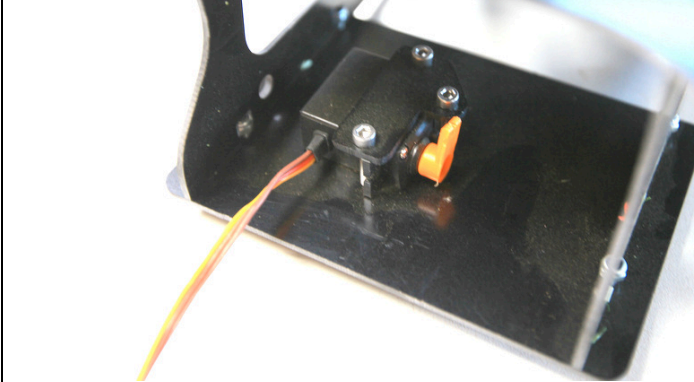


Remove the clip part from the original plate and screw it on the new battery plate of the rescue system. Use the 2 original screws.

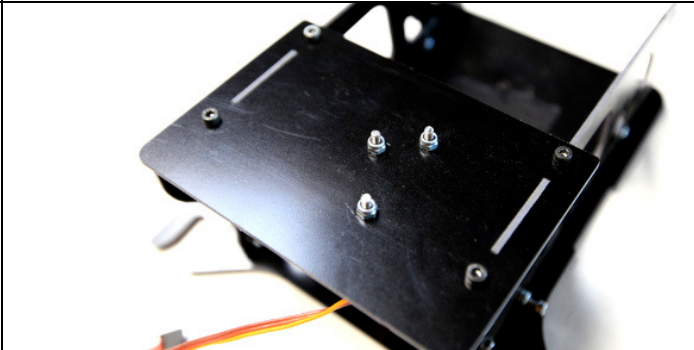


Install the servo plate which is provided with the kit. Tighten it with 3x screw CHC M3-25 and 3x M3 nuts. Connect the servomotor to your receiver. Use a 2 position switch with the following positions :

- Arm up (system locked)
- Arm horizontal / down (system opened)

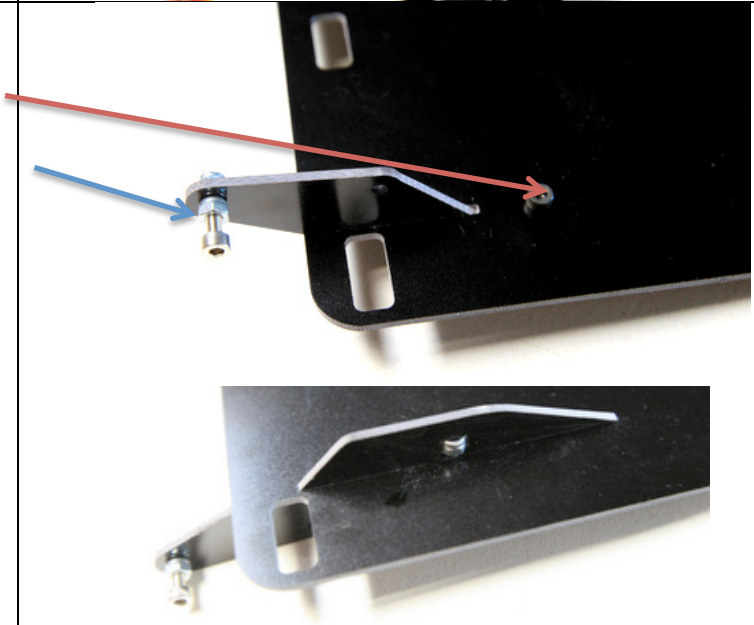


After, mount this plate over the side frames. Screw them with 4x CHC M3x8 screws and 4x M3 nuts.



Assembly the side parts from the ejection plate where will be place the rescue foil. For each parts, use a CHC M3-8 screw.

After, use a M3 nut and place it at half lenght on a CHCM3-12 screw. Inset it on the side parts and screw it on the other side by a M3 nut.



Mount the ejection strap by the smallest ring. Use a CHC M3-8 screw and a M3 nut.



Use a CHC M3-10 screw with a M3 washer. Mount the screw like a the picture. Do the same on the opposite side.



After mount the whole ejection plate with his support side frames on the main plates. Use 2x M3 nuts in order to lock the system. Don't tighten it too much. **It's important to keep a free rotation.**



From both side of the system, install a CHC M3-12 screws. Lock with by side with 2x M3 nuts like on the support side frames. After, place the elastic rubber as shown on the right picture.



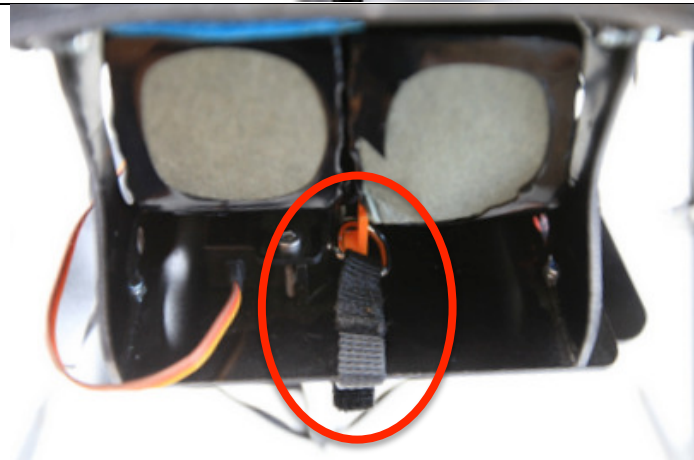
On the elastic rubbers are mounted, get the Rescue Pod. Place it like on the picture.



Remove the landing gear from the multirotor main frame. Depends on the use (with or without gimbal), place the rescue system correctly in order to have the right center of gravity (the landing gear has to stay perfectly horizontal) Here on the picture, there is any gimbal, then we place the rescue system on the center. If we put a gimbal on the front, the rescue system will be on the back.

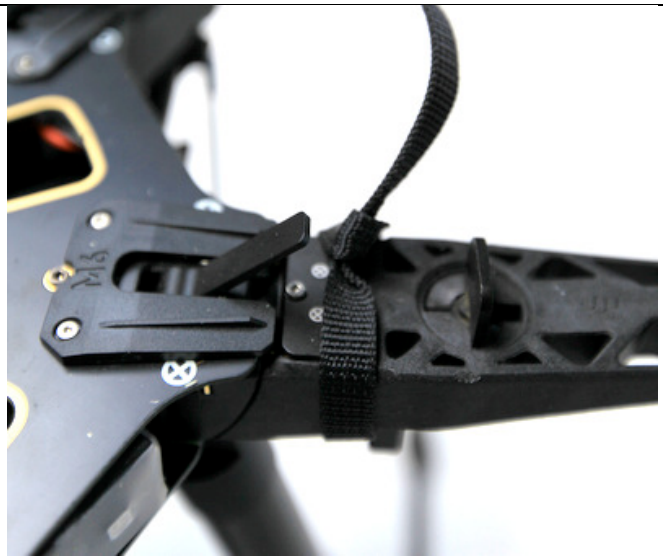


Install your batteries. Please take care that the servo arm moves without problems. After, place the ejection strap.



Mount the long straps on the motor arms basis. (one on the left, one on the right)

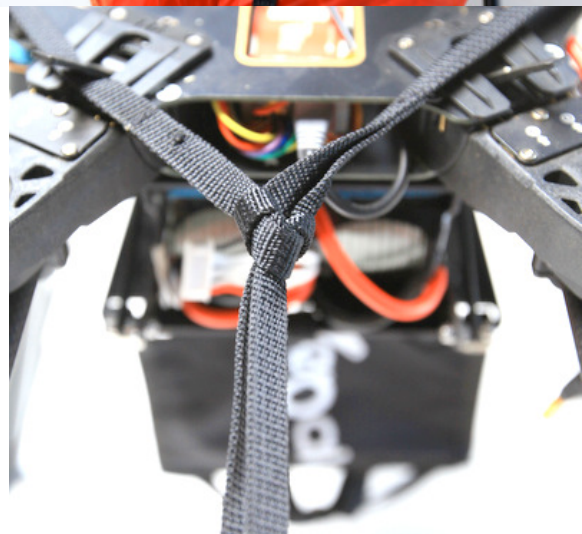
Tighten it strongly.



After, place the main rescue strap in the 2 straps loop which are on the multicopter frame. Now the assembly of straps looks like a Y.



Tighten the straps strongly again.



Make the rescue strap by side of the ejection Pod.



Close the ejection Pod. Take care to have the rescue strap in the same position which is shown.



Close the ejection Pod by making the bigger ring on the servo arm. The servo arm locks already the first strap which is coming from the 1st strap.

The system is now ready to be used.



3. Parachute folding

It is really important that you properly fold the parachute every single time you use it to ensure it will be open quickly and be efficient the very next time you need it.

First, please spread the parachute and make sure no lines are tangled up, and then inflate it.

Then spread it again and gather all the lines. Hold them in position using some ballast if possible.



Separate every single fabric panel. Evenly distribute them to the right and the left (5 on each side).



Then folds the panels the way shown on the picture below starting with the left panels, then do the exact same things for the right ones.



Now we have the short side of the parachute folded, it is now time to fold it 3 times to get it fit in the container.



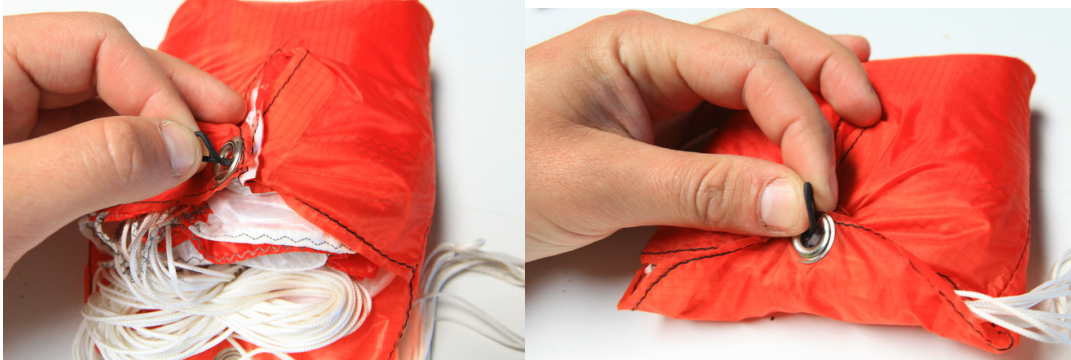
The trailing edge of the parachute should be positioned on the opening side of the container.



Grab the lines and wind them round your fingers till it looks like an 8 in order to store the lines in the container. Then house the lines inside the container just in front of the parachute's trailing edge.



Use the black elastic loop to close the container, as shown below.



Once the container is closed, use 3 or 4 lines to fully make sure it will stay closed till you want it to open.



Please often check that the container is well closed and kind of locked thanks to the lines. Do not hesitate to ventilate and unfold your parachute if it is stored wet.