

JR FELIX

Dear Customer, Thank you for purchasing our JR FELIX Sport jet product.

Following you can find greater information for building and flying this model. Before you get started building and setting-up your aircraft, please make sure you have read this Instruction manual and understood it. If you have any questions, please don't hesitate to contact us.

Liability Exclusion and Damages you have acquired a kit, which can be assembled into a fully working R/C model when fitted out with suitable accessories, as described in the instruction manual with the kit.

However, as manufacturers, are not in a position to influence the way you build and operate your model, and we have no control over the methods you use to install, operate and maintain the radio control system components. For this reason we are obliged to deny all liability for loss, damage or costs which are incurred due to the incompetent or incorrect application and operation of our products, or which are connected with such operation in any way. Unless otherwise prescribed by binding law, the obligation of our company to pay compensation is excluded, regardless of the legal argument employed.

This applies to personal injury, death, damage to buildings, loss of turnover and business, interruption of business or other direct and indirect consequent damages. In all circumstances our total liability is limited to the amount which you actually paid for this model.

BY OPERATING THIS MODEL YOU ASSUME FULL RESPONSIBILITY FOR YOUR ACTIONS.

It is important to understand that the factory, is unable to monitor whether you follow the instructions contained in this instruction manual regarding the construction, operation and maintenance of the aircraft, nor whether you install and use the radio control system correctly. For this reason we are unable to guarantee, or provide, a contractual agreement with any individual or company that the model you have made will function correctly and safely. You, as operator of the model, must rely upon your own expertise and judgement in acquiring and operating this model.

Hardware Package:



Air intake installation:

Please follow below steps;



-Mark the fiberglass on the fuselage.

-Cut the oracover for the air intake.

-Tape well and be careful not to have air leak.



-Use epoxy glue to assemble fiberglass intake

AILERON, ELEVATOR, FLAP and RUDDER INSTALLATION:

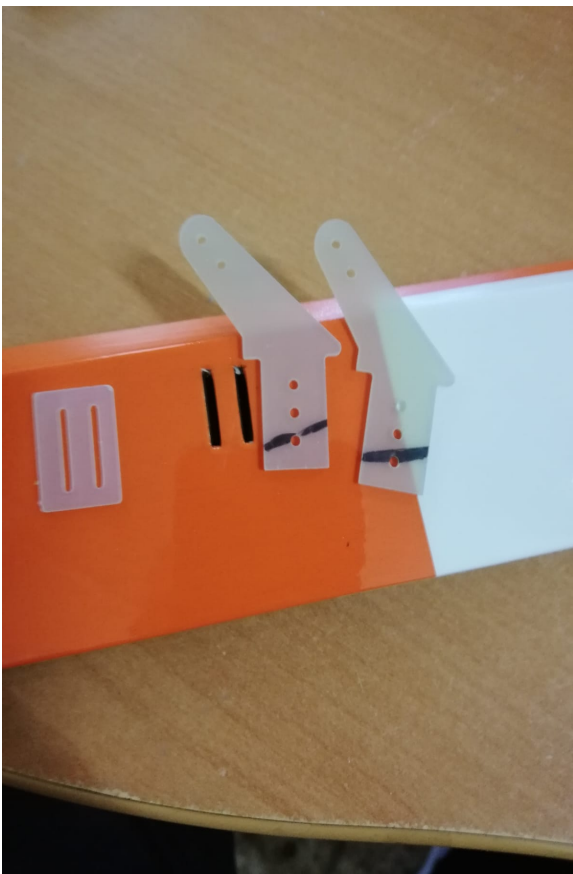
In the hardware bag, you will find all you need to fix and link the hinges of the Flaps and Ailerons:

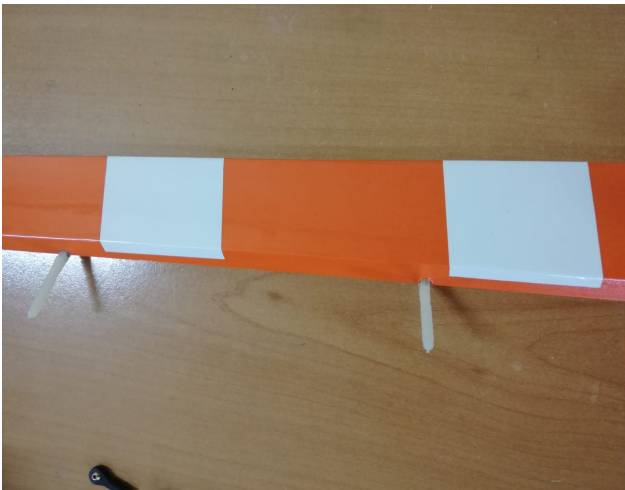
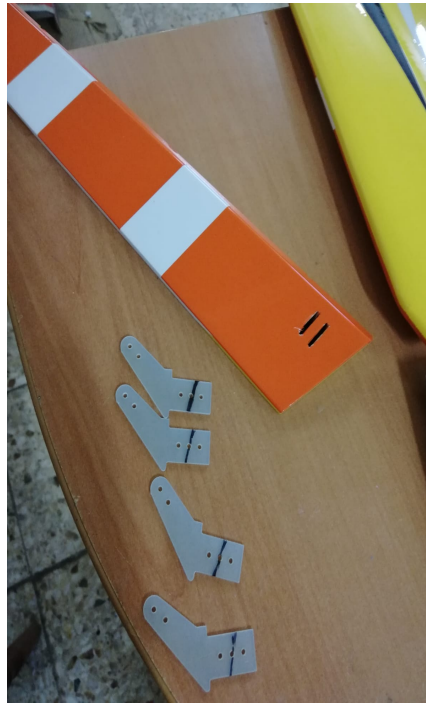
The Flaps and ailerons are fixed with the hinges to the wing, use glue or epoxy for hinges, take care not to put glue in the middle of the hinges.

Install the servo in the servo support(Standard size servos with min 10kg torque)

Glue the aileron Horn in place and check if all work ok.

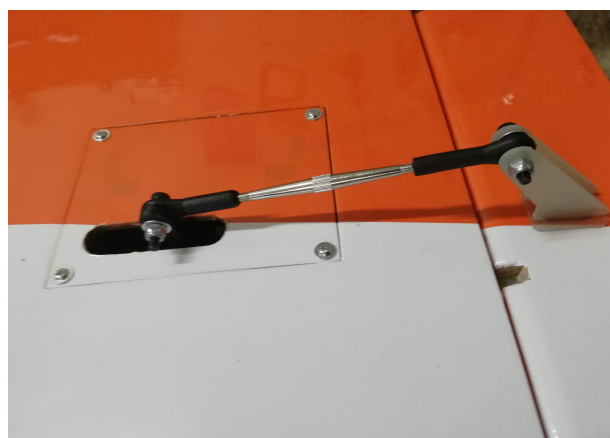
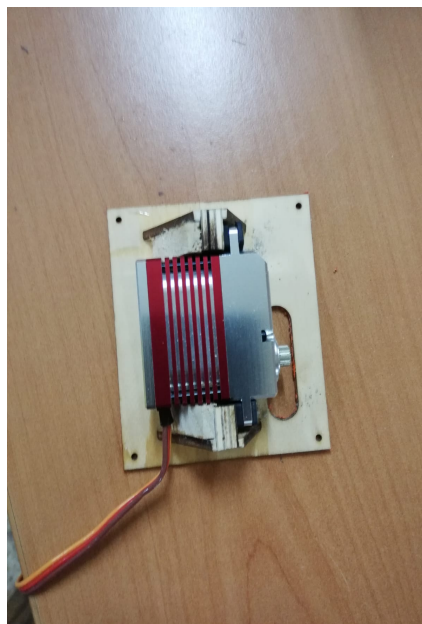
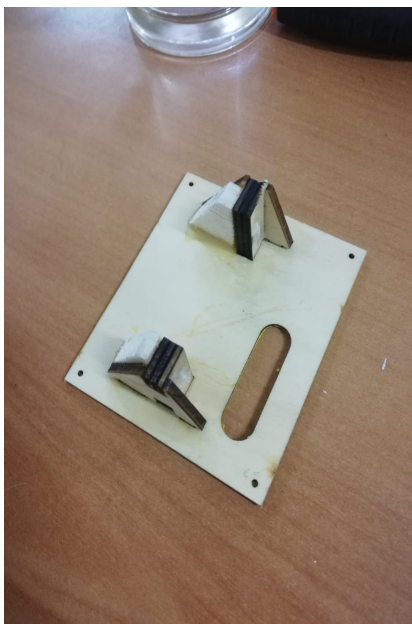
Screw and adjust the linkage at the exact dimensions, neutral servo position, please fix only if the servo position was tested to neutral, otherwise you risk damage.



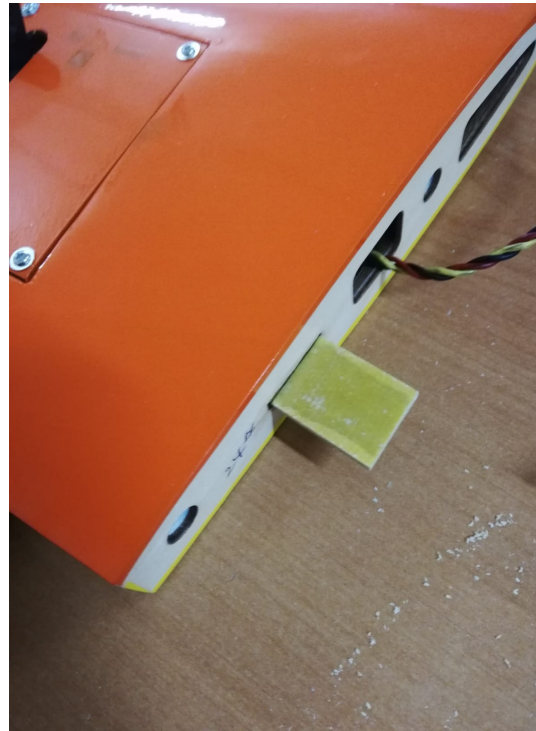


*Cut the oracover for flap hinges and use epoxy glue.
Use sandpaper on the horn parts for better glue result.*

Servo installation:



Wings fixing part:



*Glue the fiberglass' 2,5cm part on the wing.
Use sandpaper on the fiberglass for better glue result.*

Rudder Assembly:



-Use a carbon tube with epoxy glue for permanent fixing.

Stabiliser Fixing:



-Use a carbon tube with epoxy glue for permanent fixing.

Turbine Mount:

*The turbine mount is prepared in the right angle to fix your Turbine
Move the Turbine as front as possible and fix it, here on picture per ex. with a
KingTech K70G engine.*

*To avoid damages on the fuselage due wet starts, secure the fuselage behind
the turbine with alu-tape.*

We recommend K70G for Sport flights. Also can use 40 to 70KgN turbines.

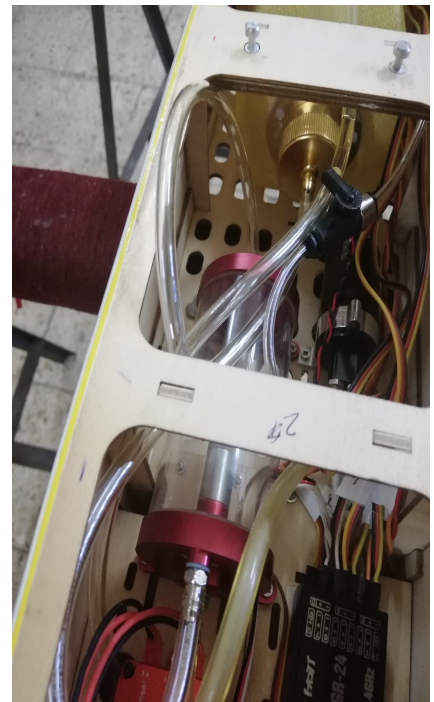
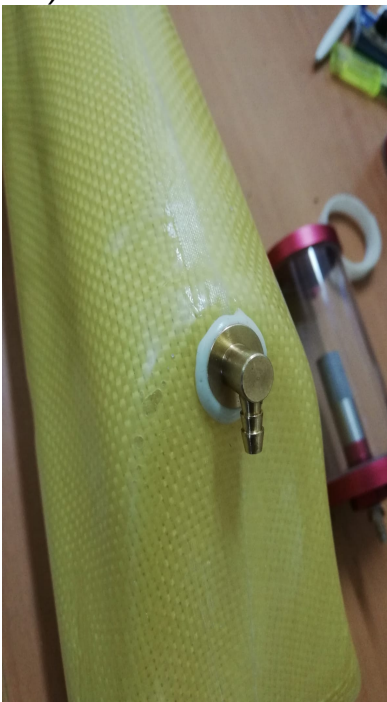




Use aluminum folio, which is included in the kit.

Fuel tank assembly:

(Optional 2lt fuel and header tank shown in the picture – not included in the kit.)



- If the fuel tank purchased seperately, wash with diesel fuel before use !

Canopy assembly:



Cut the canopy to fix, while the base part screwed on the fuselage. Use Patex soft glue (or similar). Also use 8pcs 2,5 x 12mm screws - included in the kit.

Retract Assembly:

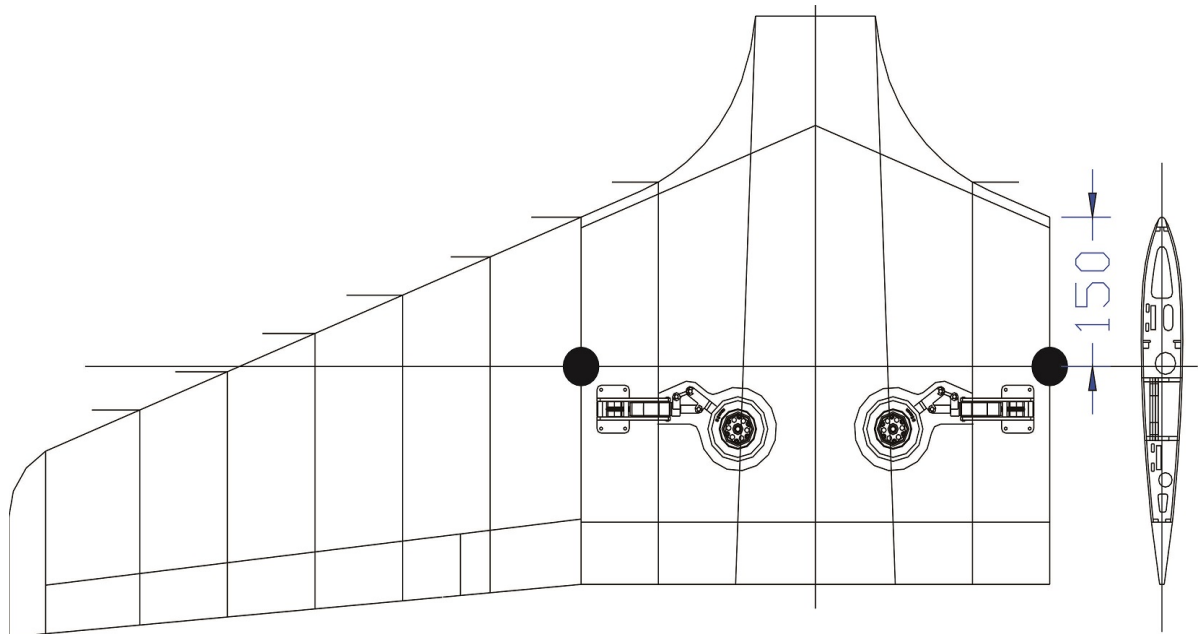


Stick the plastic pools to the mid-wing with epoxy glue, than screw the retracts with 12pcs 3 x 20mm screws included in the kit.

We recommend spraying liquid grease oil in the joints of Retracts time to time.

CG:

We recommend the c.g. position at 150mm as shown below; this will be perfect as a starting point. We will recommend adjusting after a few flights to discover your personal preference.



Recommended Servo Throw Movement:

Aileron - 12mm up/down,

Elevator - 18mm up/down,

Rudder - 30mm left/right,

Flap – 30mm in first position – 60mm in second position.

*Elevator - flap mix, on 60mm down flap, mix elevator down, 5mm
(Measurements are measured on the tips of aileron and elevator)*

Attention: you must adjust the movement, depending of your flying mode

Recommended Extension Cable Measurements: OPTIONAL (not included in the kit)

- 1- Mid-wing - 2 x 30cm for Aileron
1 x 30cm for Flap
- 2- Sidewings - 2 x 30cm
- 3- Rudder & 2pcs Elevator – 3 x 100cm
- 4- ECU -Throat Extention - 1 x 30cm
- 5- GSU ECU Extention – 1 x 30cm
- 6- Front Wheel Servo – 1 x 40cm
- 7- Pump Valve – 1 x 20cm

Gear and Steering Servo Installation:

Best is the electric retracts which is supplied as optional.

Suggested servos: Standard size,

Aileron - Standard size 10kg

Flap - Standard size 15kg

Elevator - Standard size 10/13kg

Rudder – Midi size 10kg (supplied as optional)

Front Gear Steering – Mini size 6kg (supplied as optional)

For other information, please contact; kingtech.turbine@gmail.com



Please make safe flights and have a lot of fun with your JR Felix.