



JeeMAX

INSTRUCTION MANUAL



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INTRODUCTION

JeeMAX was made possible by the great experience of the team Glider-it team development department have developed a TOP Glider-Jet that can be make the takeoff from the ground. It can host a kerosene turbine of 78mm of diameter but for now we have certified the Kingteck k65g4.

The JeeMAX is supplied with a retractable landing gear included with ready installed support, you need only install the servos (with supports provided) , the special tank (provided), and your radio system ...

JeeMAX is capable of taking off from the ground thanks to its landing gear and can also be used on asphalt runways for landing!, carbon square wing joiner and bottom hinged aileron and flaps with lips.

Jeemax immediately demonstrated great aerobatic flying skills both with engine and gliding, and a formidable handling.

SAFETY INFORMATION

Even if we do for every model a careful quality control, there may be some imperfection.

Therefore, we also ask you to check all the parts before use; If a part/component is not conforming/defective, we will be available to examine and replace it after checking. In this case do not hesitate to contact us.

All the parts worked by the customer are excluded by replacement.

ATTENTION!! These instructions want to help you to complete the assembling of JeeMAX, as per our suggestions/methods.

Servos and accessories we suggest to use can be obviously replaced by other similar items of other brands/producers

RC gliders are not toys; their assembling and use needs technical knowledge and craftsmanship.



Attenzione!

I modelli RC, in particolare gli aeromodelli, non sono giocattoli.
Mistakes and negligence in building and flying may cause damage to the people and things.

We point out these dangers because we are not responsible for your assembling work, maintenance and flight of your RC glider.

KIT PARTS

1 wings (left/right), 1 wing joiner, 1 fuselage, 1 elevator, 1 rudder, 1 canopy, 1 wooden base plate, 6 servo supports + covers, 1 set control horn fiberglass, 1 tank + kit fuel cap, 1 retractable landing gear + cover, 1 front fix landing gear, 1 turbine guides, 1 exhaust tube

Turbine-ready fuselage, retractable landing gear ready to be installed, fixed front landing gear installed, rudder support installed.

TECHNICAL DATA

Wingspan	3500 mm
Fuselage Length	1980 mm
Wing Area	91 dm ²
Weight	9000 g
Wing Load (= >)	91 g/dm ²
Wing Profile	by Glider-IT
Center Of Gravity (CG)	130 mm *

* measure the center of gravity with an empty tank.

Functions – servos– set-up

Function	Servo (suggested)	Excursion
Ailerons	KST A12	12 mm
Flaps	KST A12	12 mm
Rudder	KST A12	12 mm
Tailplane	KST X10 Pro	10 mm
Landing gear	KST A12	12 mm

Jeemax servo travel :

Aileron : ± 15 mm expo 40%

Flaperon: A ± 15 mm F ± 30 mm expo 40%

Rudder: ± 40 mm expo 55%

Elevator : ± 15 mm expo 55%

Butterfly : aileron up 15mm, flap down 35mm, elevator compensation 12% down

Takeoff : flap and aileron 5mm down

Speed : all value 1/3 less (66% of std travel)



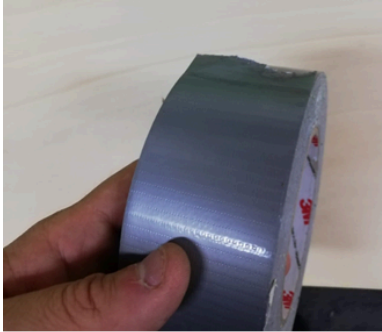
FUSELAGE building guide

We suggest to cover the fuselage with Paper-Tape (to avoid scratch and glue dirty)

Open the hole for the servo cable in the elevator seat on the fuselage. make hole big enough for servo connector to go through without going to near to screw nuts



Rudder and elevator servo wire extensions must be long enough to reach the nose of the fuselage, using big section wire. Wire must be attached to the fuselage top either using american tape or wire holding plastic clips, as you like. It is important to keep wire away from turbine heat.

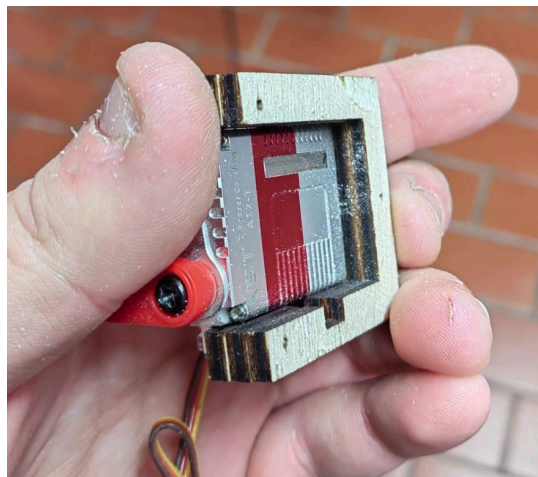


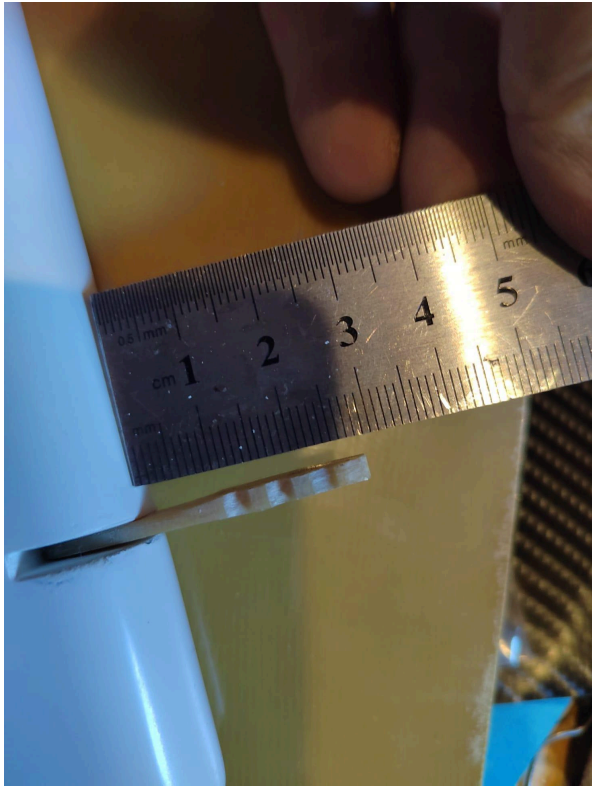
RUDDER (MOVING PART)

The wooden reinforcement of the vertical is already mounted in the fuselage. It will have to accommodate the hinges for the directional.

To install rudder servo use the supplied servo holder (depending on servo thickness you may need different thickness servo mount) , servo horn and control horn Check accurately before gluing permanently

We suggest to not use epoxy but a heavy duty construction adhesive like saratoga Unicum (or similar products like Pattex PL, Bostik mauntig glue, Gorilla construction glue); this kind of glues will withstand better to hard landings and vibrations



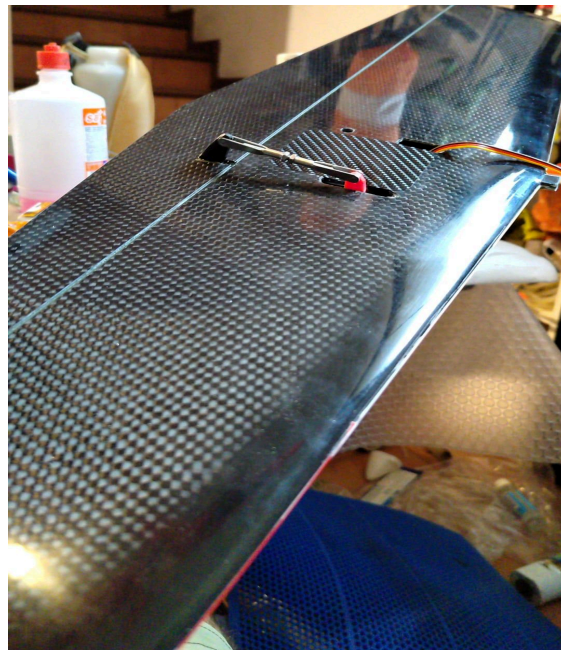
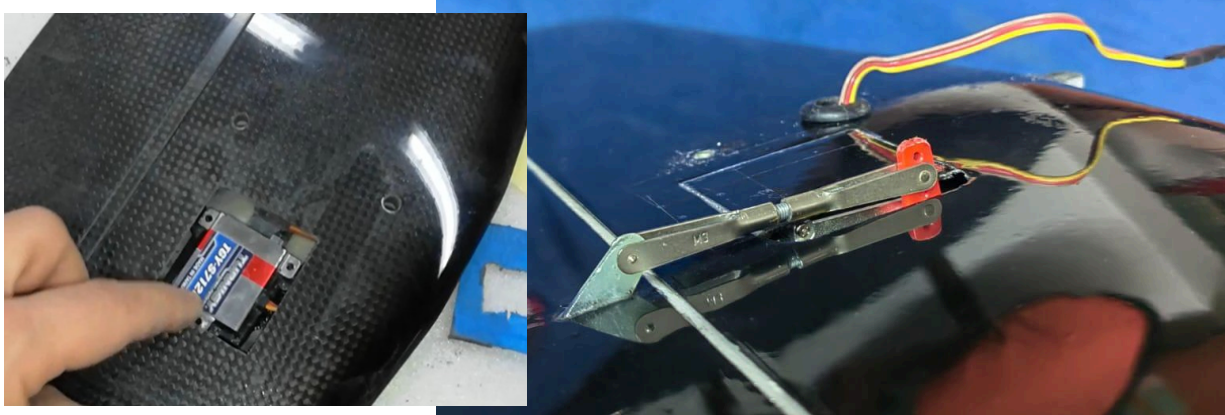


ELEVATOR (MOVING PART)

For installing elevator servo use one the supplied servo holder.

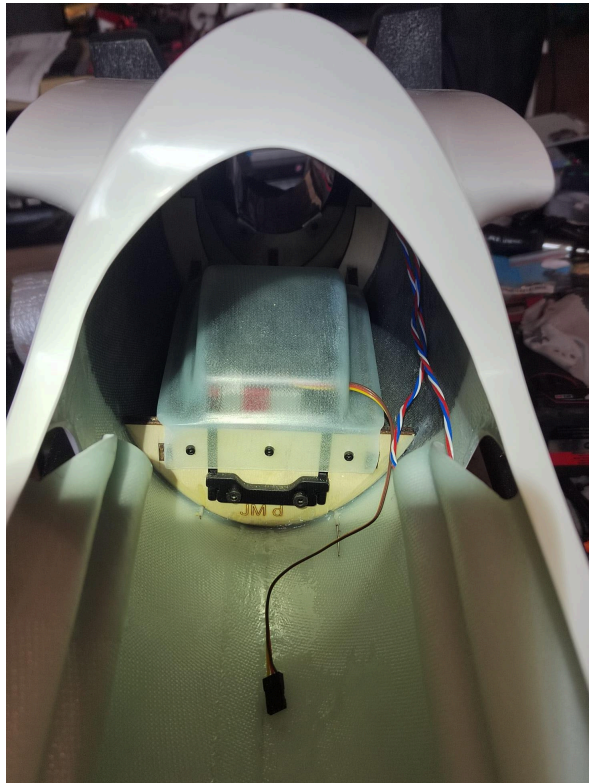
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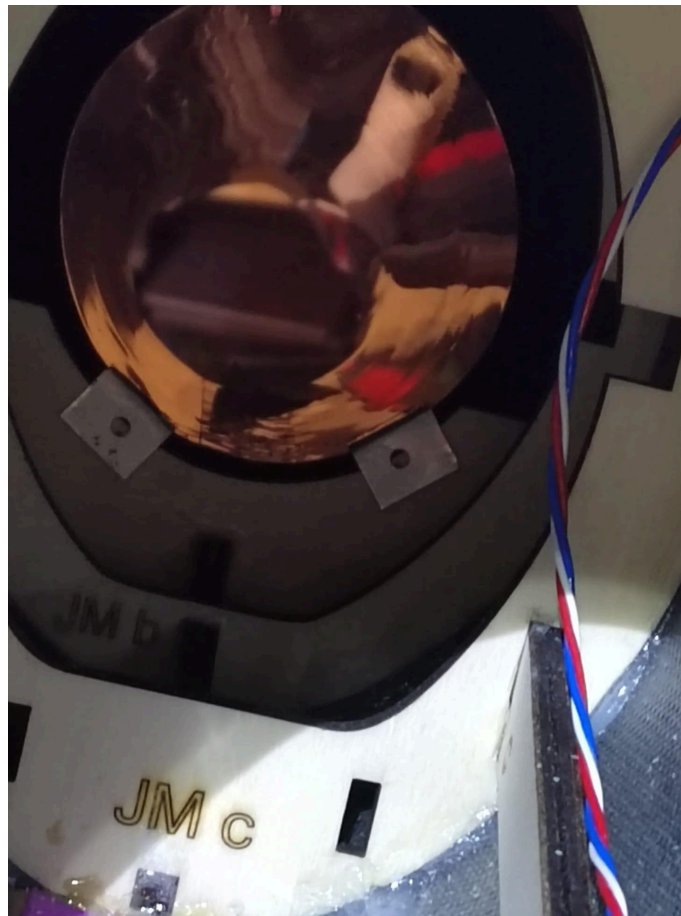


TURBINE PROP

The JeeMAX fuselage will come with already installed the 3 bulkhead you can see in the picture on the right and the 2 bulkhead for retractable landing gear you can see in the picture on the left. The landing gear cover is also provided to install after the retractable landing gear is secured in place.

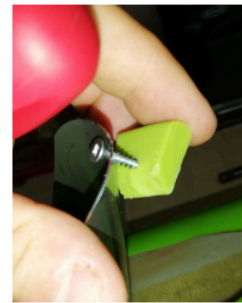


As first you will have to insert the exhaust tube and install it with two screws going through the holes in the mounting bracket to the 3rd bulkhead using two self-tapping screws

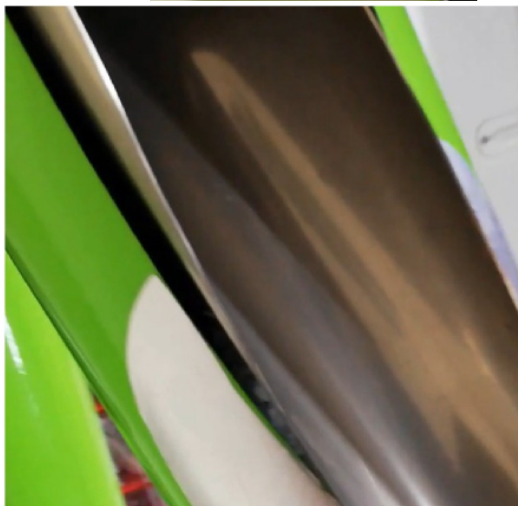


Now you have to install the 3rd screw that keep the exhaust in position (may help making a small hole with a drill in the fuselage, exhaust will come with hole already made) inserting the small piece of high temperature resistant rubber between the exhaust and the fuselage

to make installation easier we suggest you shape the small piece of rubber with a bevel like in the picture. this will help the exhaust to sit well in position

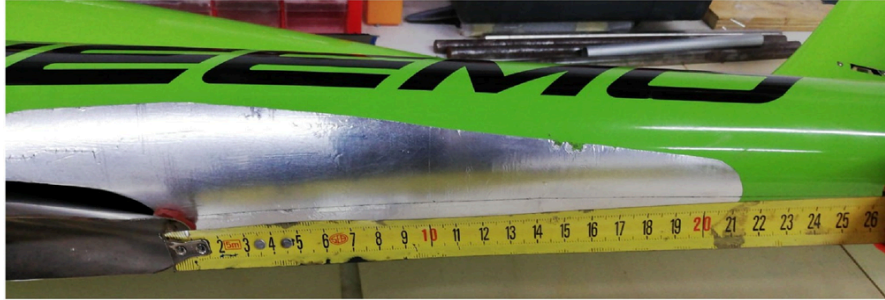


Please check the exhaust to not get in contact with the fuselage in any point, in case of need sand a little the fuselage to enlarge the hole and to have enough space IT IS ESSENTIAL THE EXHAUST MUST NOT BE IN CONTACT WITH THE FUSELAGE ANYWHERE



Now you can apply the self adhesive alloy foil tape to protect the fuselage from exhaust hot air.

Shape it to have a nice contour and apply.



Now you can install the turbine; wood bulkheads are already installed in the fuselage. you have to screw the two alloy rail mount brackets supplied with the kit to the turbine. Mind one bracket will be upward and the other downward.
Insert the turbine in peace and fix with the screw to the wood bulkhead

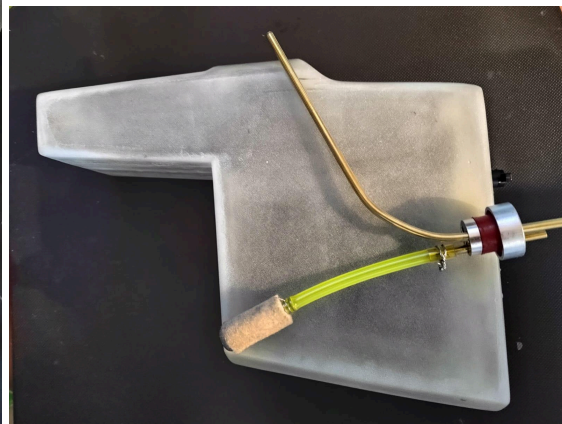
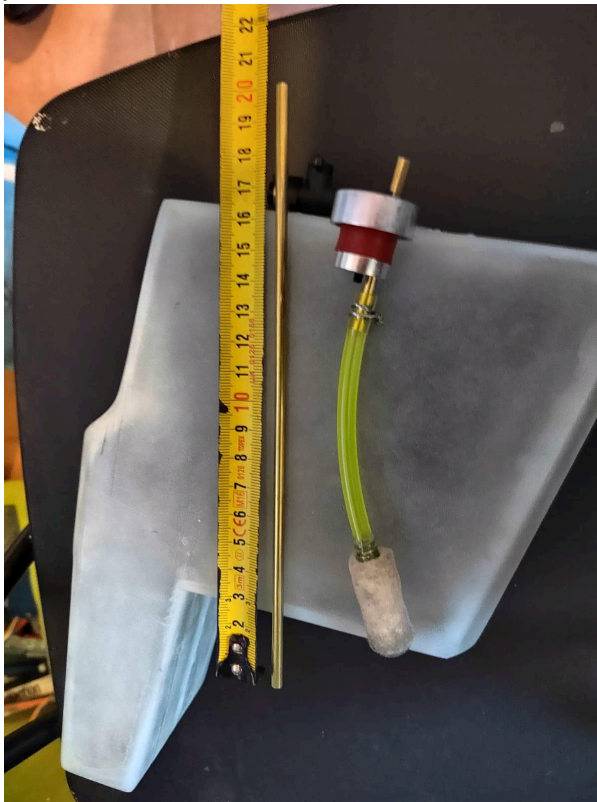


FUEL TANK

A special custom made fuel tank is supplied in the kit complete with tank cap and tank mounting rails. Install tank cap and check for a good seal, to not have fuel leakage. Tray to "dry fit" fuel tank and rails in fuselage.

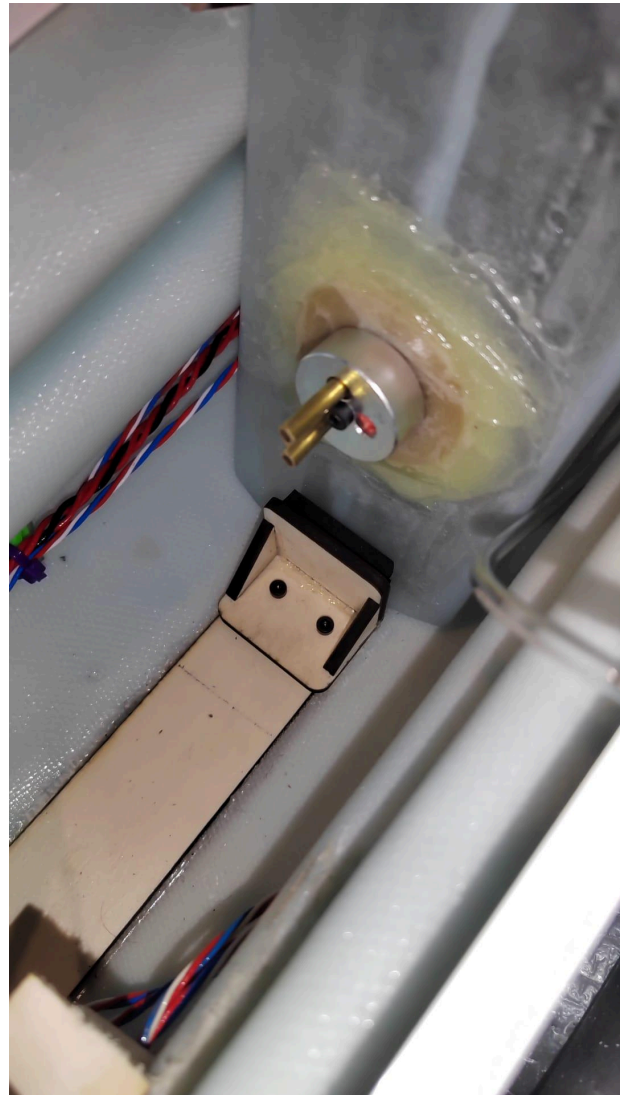


You have to build a new tube for the full level. It must be 200 mm long. You have to fold it to make it go near the high border of the tank. See photos below.



It may be necessary to sand a little the fuel tank closing lips that are going inside tank rails, so that tank will fit easily inside the fuselage.

When you are satisfied with the positioning of the tank, install the tank STOP, provided to you, with two screws.



BASEPLATE INSTALLATION

A baseplate cnc cut is supplied with the kit.

Install two small pieces of wood about 5mm forward of the air intake and one piece forward in the fuselage like in the picture, so you can attach the baseplate with small self tapping screws.

The following images are sample of a possible radio and accessories installation

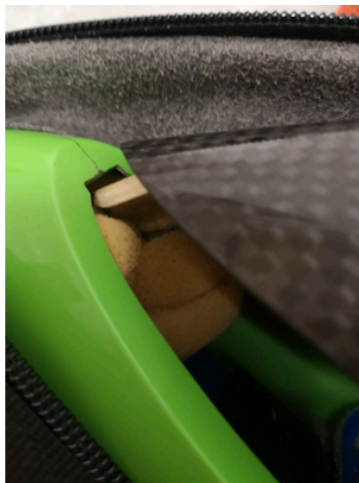


CANOPY BASE

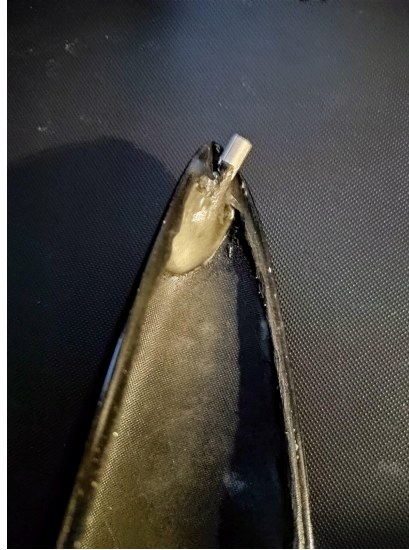
The following images are samples of a possible way to install the canopy:

Glue a piece of wood to the canopy and make a suitable notch in the fuselage install two metal pins , one on each side at about the mid of the canopy.

Install a nut in the fuselage just above the fuel tank rail, make a hole in the canopy for the screw



Glue a piece of wood to the canopy and make a suitable notch in the fuselage install two metal pins , one on each side at about the mid of the canopy.

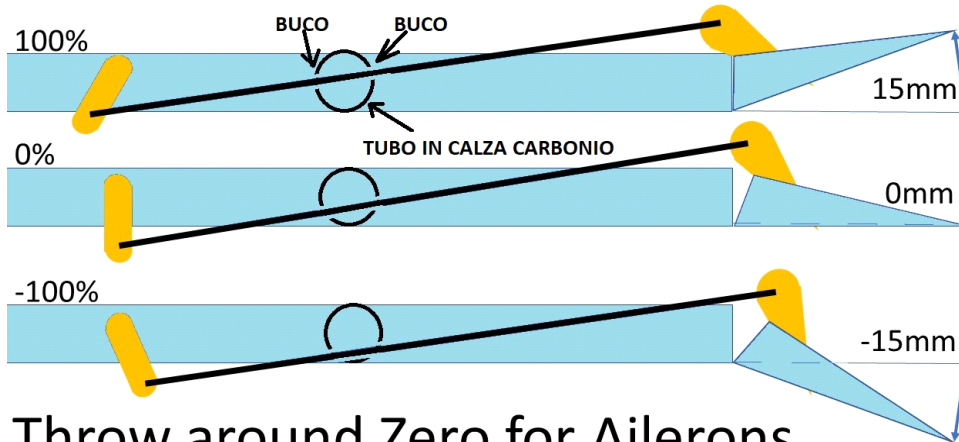


Install the specific fastening tool on the opposite side of the canopy. Open a window in the fuselage to pass the rod.



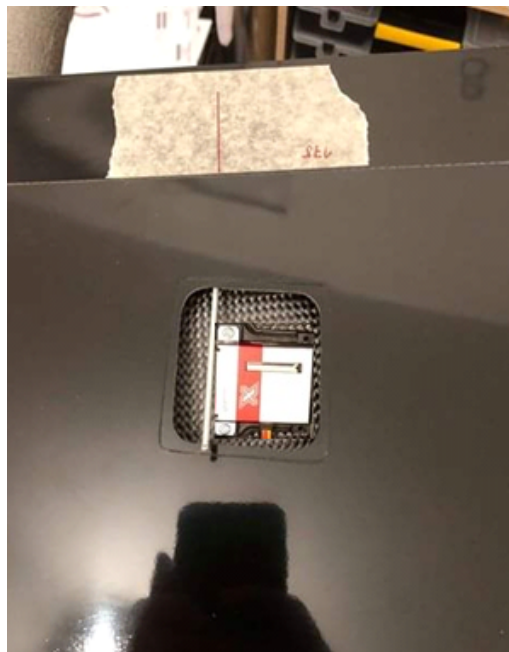
WINGS (AILERON + FLAPS CONTROLS)

Flaps and Ailerons are hinged in the bottom side of the wings, therefore we suggest the TOP-DRIVE system as shown in the below image



Throw around Zero for Ailerons

Mark the right axis position in the bottom side of the aileron and do the same in the upper side



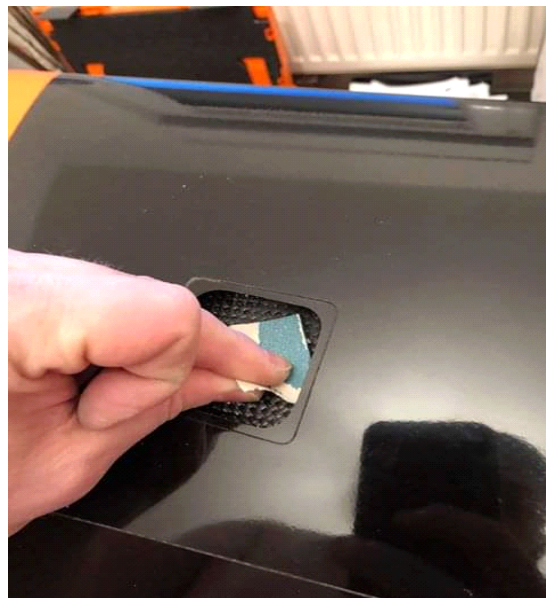
Mark the same axis position also in the upper side of the aileron; cut (with Dremel) the opening for control horn and cut the "nail" opening in the wings



Now you have to hole the carbon tube inside the wings, as shown in the picture

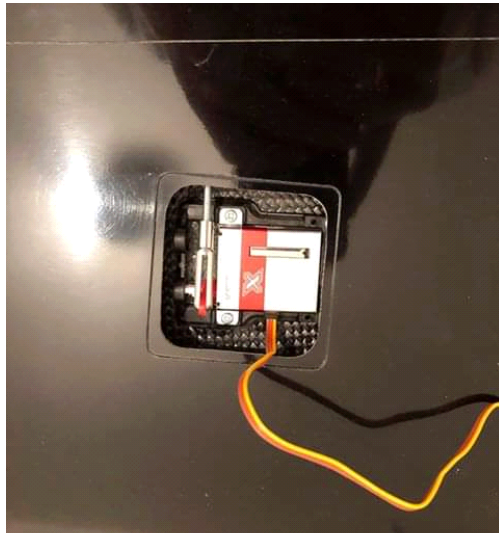


Test the clevis linkage + rod with the control horn.
If the movement is correct, glue the control horn.



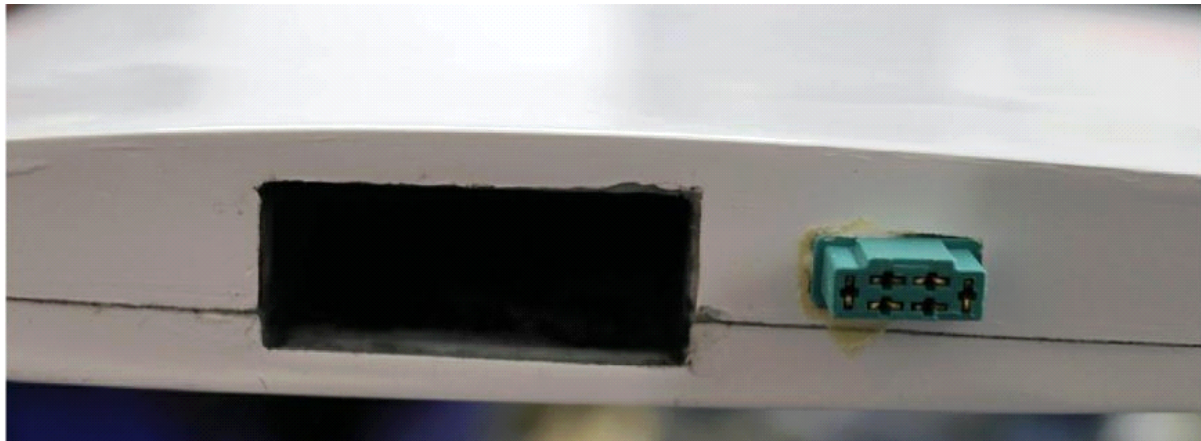
Sand the gluing surface

Arrange the servo and all the linkage systems; if it works properly, glue the servo base to the wing.



Solder the servo cable to the MPX connector (6 pins – male) following the scheme previously used for the female connector.

Before gluing it to the wing, check the right connection (MPX male/female) of the winds to the fuse.



Put the servo cover over the opening, mark the cutting area with paper tape and remove with scissor the excess part

Join the servo cover to the wings with transparent tape

WING LOCKING SYSTEM

The wing locking system is already installed in the wings of the model and there are corresponding holes in the fuselage of the JeeMAX. Move the wings to the fuselage and screw the provided nut to close them.



CONCLUSIONE

La sicurezza è il primo requisito quando si vola con aeromodelli. L'assicurazione RCA è obbligatoria. Accertati di avere un'adeguata copertura assicurativa. Mantenere sempre modelli e telecomandi in perfetto ordine. Vola responsabilmente! Rispetta le normative e le leggi in vigore.

Ti auguriamo buon divertimento e fantastici voli con il tuo JeeMAX!

CONCLUSION

Safety is the first requirement when flying with model aircraft. RCA insurance is mandatory. Make sure you have adequate insurance coverage. Always keep models and remotes in perfect order. Fly responsibly! Comply with applicable laws and regulations.

We wish you good luck and a great flight with your JeeMAX!

