Pilatus PC-21 1:3.75

Specification;
wingspan：2422.88mm
length：3017mm
engine：K100TP
CG:180mm back from the leading edge at wing root
Fly weight :23-25 KG

INSTRUCTION MANUAL

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SADETY PRECAUTIONS

This R/C airplane is not a toy!

(The people under 18 years order is forbidden from flying model)

First -time builders should seek advice from people having building experience.If misused or abused,it can cause serious bodily injury and damage to property

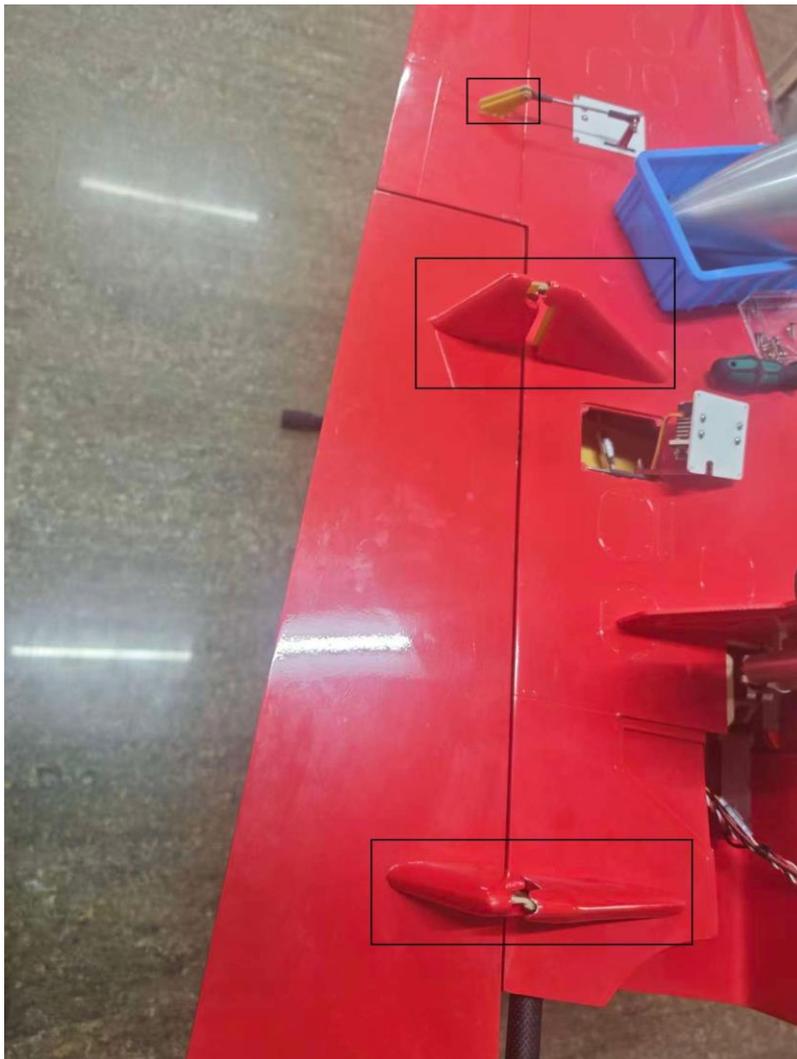Fly only in open ares and preferably at a dedicated R/C flying site. We suggest having a qualified instructor carefully inspect your airplane before its first flight. Please carefully read and follow all instructions included with this airplane. your radio control system and any other components purchased separately.

Build Instruction for TopRC 3m PC21

Servos Needed (not included):

Standard servos **x10** for elevators, rudder, ailerons, flaps, steering and nose landing retract doors.

1. Glue control horns, flap hinges and covers to control surfaces (ailerons, flaps, elevators, rudder) tilting towards the servos.

2. Install servos using L arms onto servo covers for ailerons and flaps.

3. Install servos for elevators and rudder.

4. Adjust and connect control horns to servo arms for ailerons, flaps, elevators and rudder using ball joints and threaded pushrods with different lengths:

Ailerons:

Flaps:

Elevators:

Rudder:

5. Install servos with servo covers for ailerons and flaps.

6. Insert landing gear into electric main retract and tighten the clamp screw after adjusting the main wheel direction.
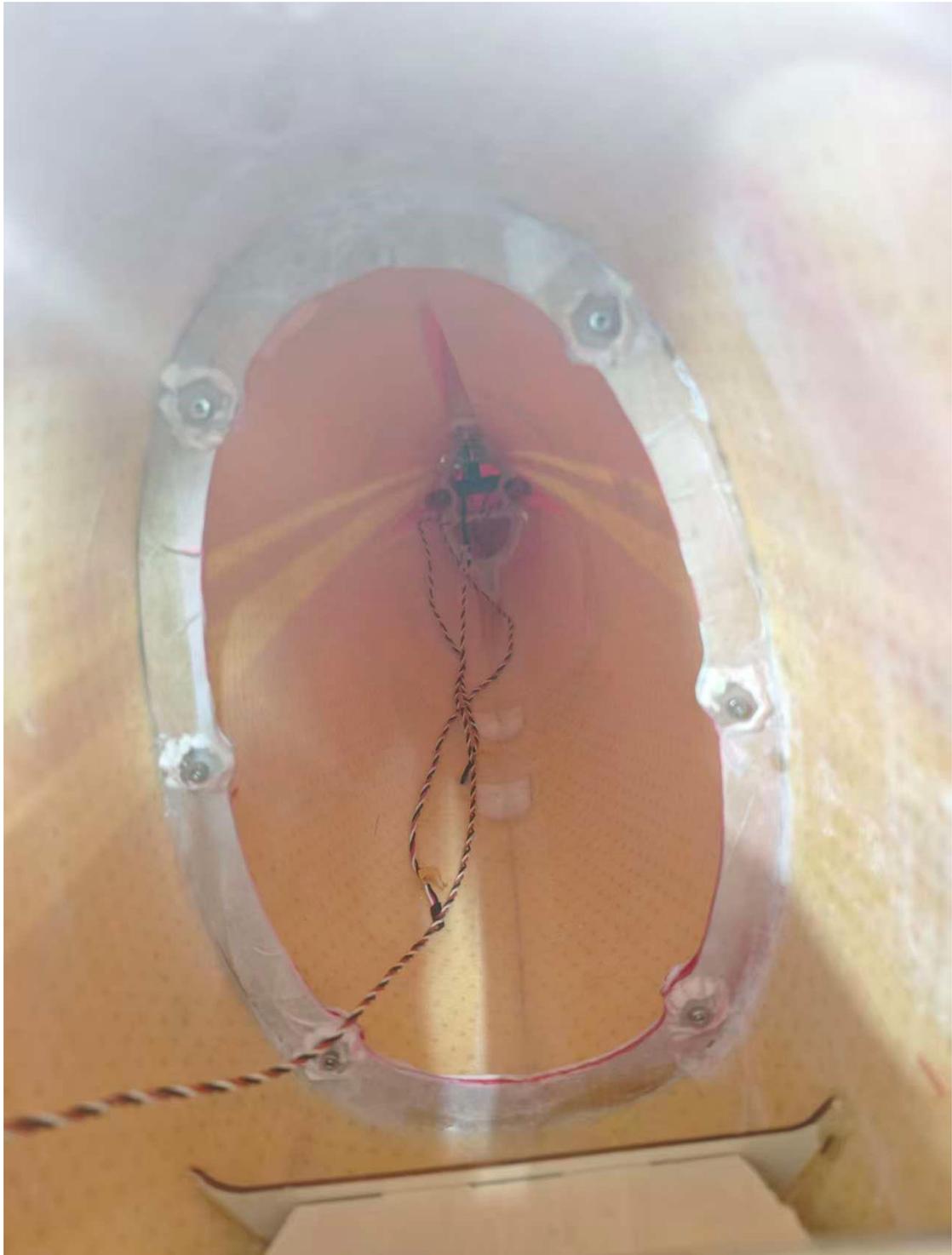
7. Install the main retracts onto the main wings with retracts closed for alignment, and then install the main landing gear covers.

8. Install the horizontal stabilizers onto the fuselage, with one side glued to the carbon rods and the other side fixed to the carbon rods with tapping screws.

9. Connect and tighten the rear and front parts of the fuselage.

10. Install the nose retract door servos and adjust door pushrods.

11. Install steering servo to nose retract and mount nose retract to fuselage.
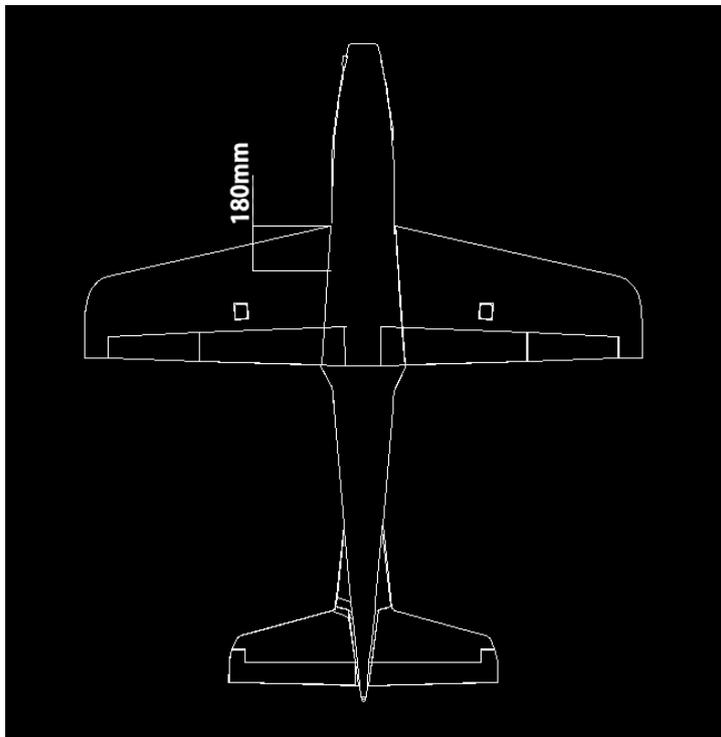
12. Install the main fuel tank.

13. Install the engine. Here demonstrate the case for Kingtech 100 Turboprop engine. After the engine is installed, install the propeller (not included), spinner and exhaust pipes (not included).
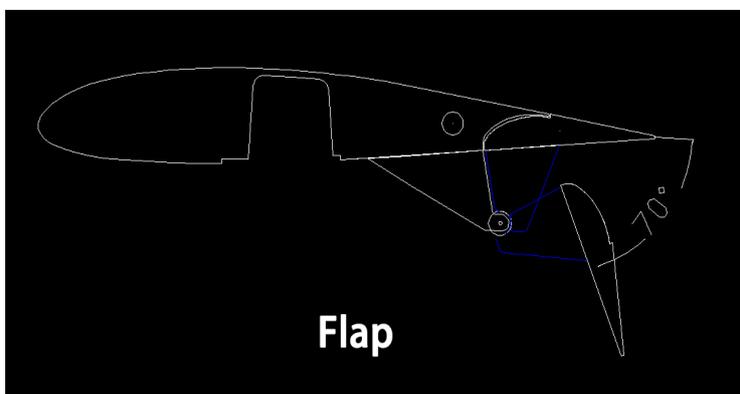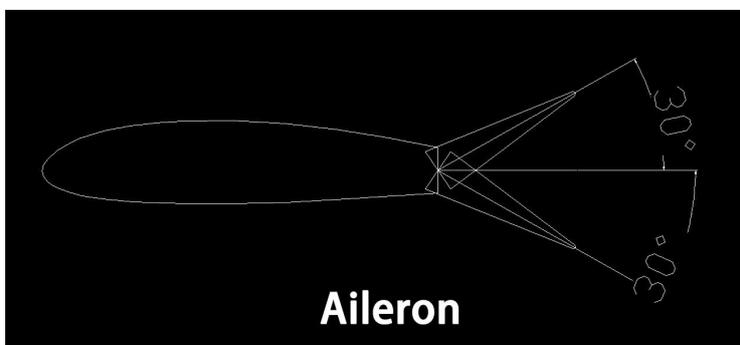

14. Install the main wings with retracts out onto the fuselage and you are ready to tune your plane.

Please check Setup below：

CG:180mm back from the leading edge at wing root

The setup of the Flap and aileron

Aileron

Flap

The setup of the Elevator and Rudder

Elevator

Rudder