Assembly Guide

Thanks for buying Hunter F22 airplane, please read this guide carefully to understand correctly the assembly procedure before assembling, wish you have a fun fly!

Product Name: Hunter F22 airplane
Dimension: L565mm/H130mm/Wingspan400mm
Motor: Brushless 1306 / 3700KV
ESC: 12A
Battery: 7.4V Lipo
Servo: 5G x 2
Flight controller: FTC 2.1 Version
Propeller: 4045
Weight(PNP): 95g
Weight(take-off): 135g
Package size: 430mm x 320mm x 50mm

Feature:

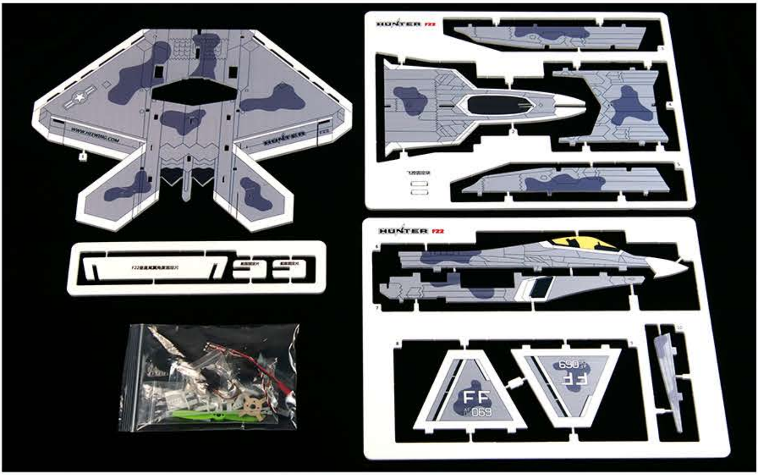
This products are producing by MPP magic board, UV print and laser cutting. With gorgeous workmanship and exquisite appearance, this incredible creative RC plane machine is made of lightweight and super durable material, tough and high strength. We set PNP version, which is very suitable for the DIY of airplane model enthusiasts. Electronic combo comes with brushless motor and esc, providing powerful performance. Version comes with flight controller which can self-stabilize flight control,Achieve one-button takeoff and stable output to excellent performance.

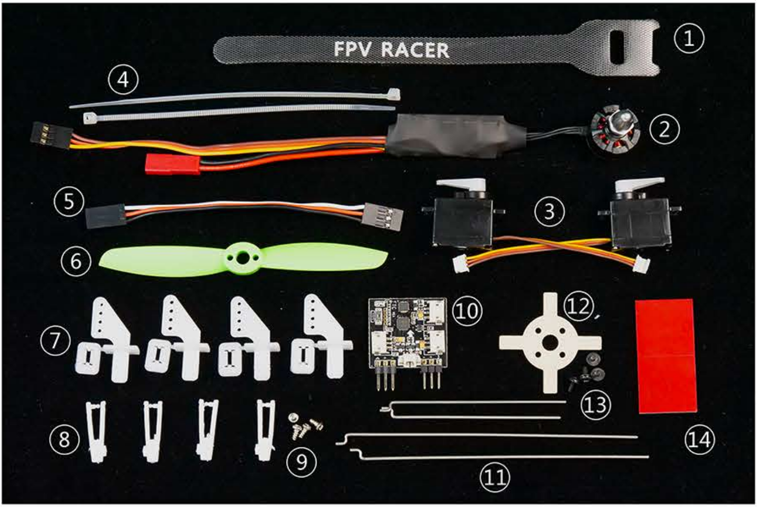
一、 Tools Required

Sharp hobby Knife (Children under 12 years must be assisted by adult), clean towel or Non-woven Fabric(to wipe excessive glue), Phillips Screw driver, Foam glue and hot melt

二、 Assembly

1.Open the package, you can see component below as shown





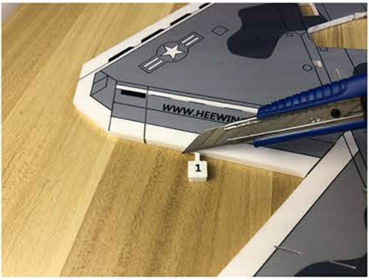
① Battery Velcro ② Motor/ESC ③ Servo ④ Nylon Cable Ties

⑤ S.bus cable ⑥ Propeller ⑦ Nylon horn ⑧ Linkage nylon lock

⑨ Screws ⑩ Flight controller ⑪ Linkage ⑫ Motor mounting

⑬ Motor mounting ⑭ Double-sided tape

2.Find the No.1 board, cut the tag by knife (Note: all of the following operation requires neatly cut)



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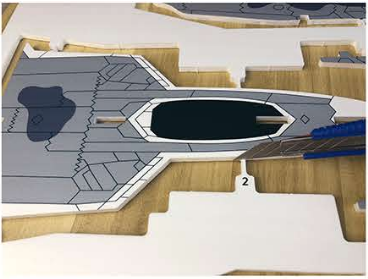
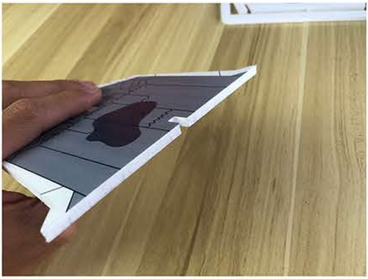
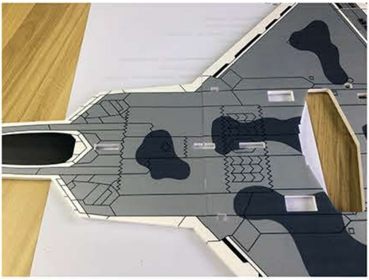
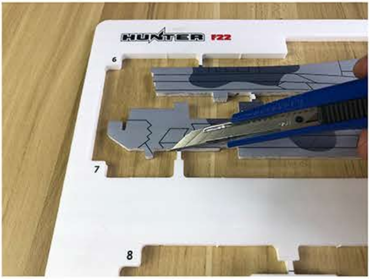
3.Find the No.2 board, cut along the connecting side. As shown below, use foam glue or hot melt glue to bond (all of the following bonding are the same operate) , make sure you already aligned position before glue.(You can lay flat the board on the table after bonding, use a weight thing to secure and avoid uneven bonding, influence flight) Wait for glue dry to do the nest step.

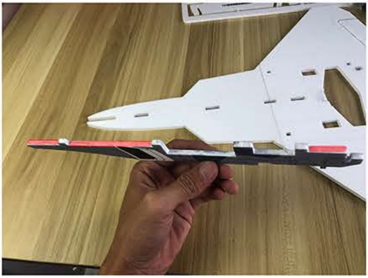


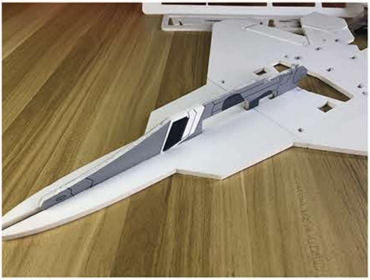


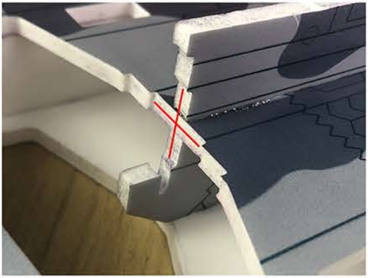


4.Find the No.7 board, cut along the connecting side.(As shown below) Bond the surface and notice to adjust the position for align. (Note: the motor position, make sure the cross position is aligned properly when install)

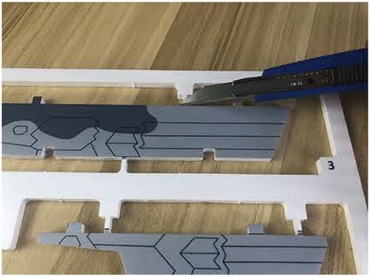


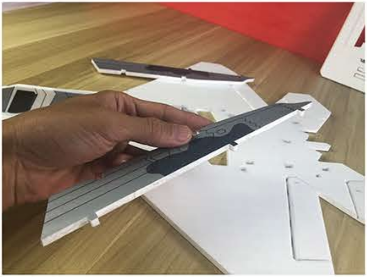


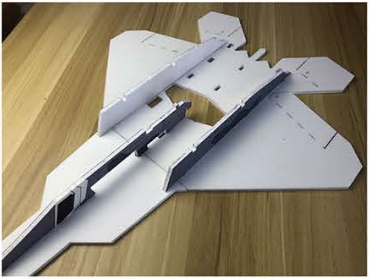




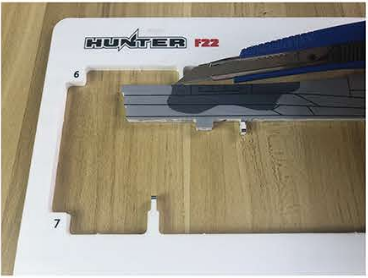
5.Find the No.3 and No.5 board, cut along the connecting side. Align and bond as shown below.

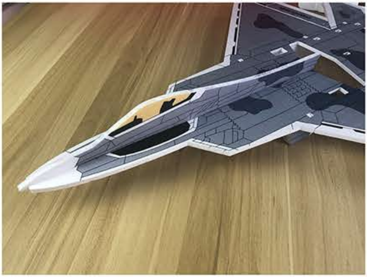




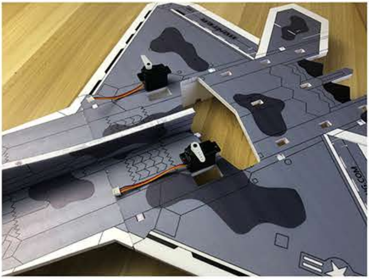


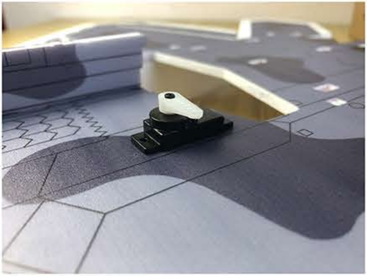
6. Find the No.6 board, cut along the connecting side. Align and bond as shown below.

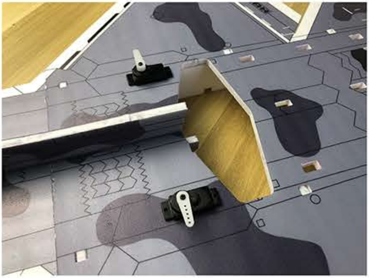




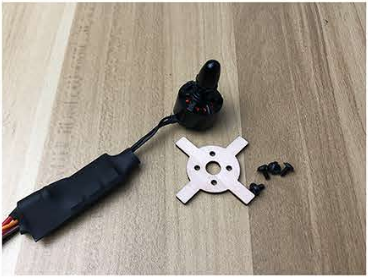
7.Install servos, servo arm already installed, please note the right and left direction of it, the cable is going to forward. (Use foam glue or hot melt glue fixed)

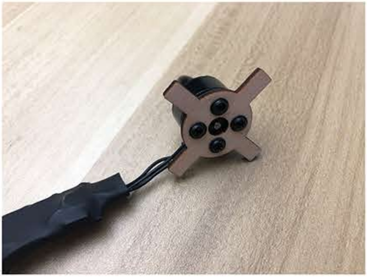


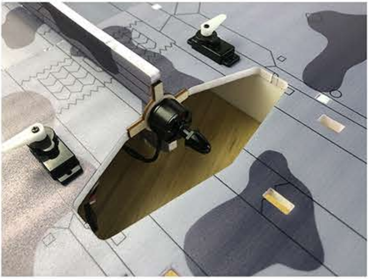


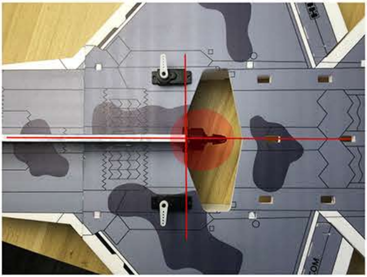


8.Install Motor/ESC, (attention to the level position between motor and fuselage) bond by foam glue or hot melt glue after adjust.

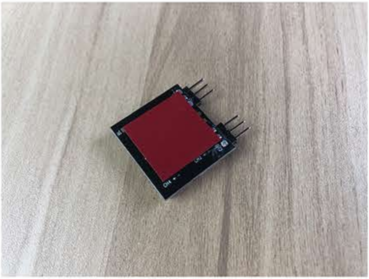


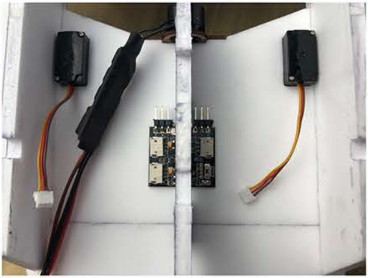


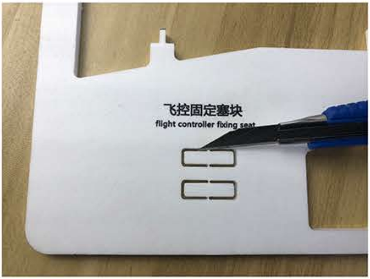


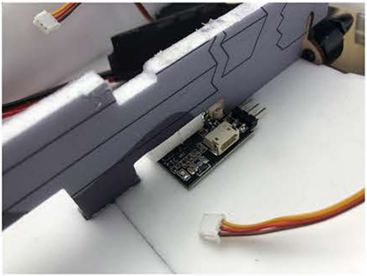


9.Install flight controller, use the double-sided tape to fix the flight controller to designated position , use the fixing seat to tight fix.

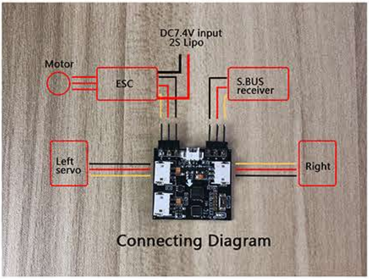


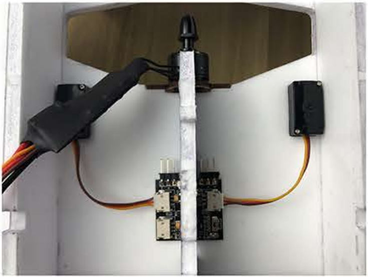


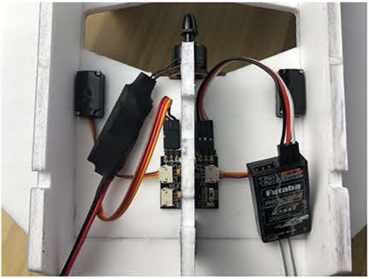


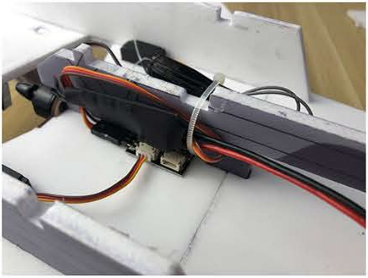


10.Connected all plug to the flight controller and fix by nylon Cable Ties.

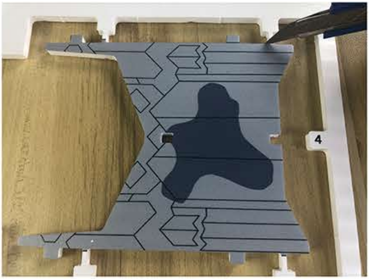


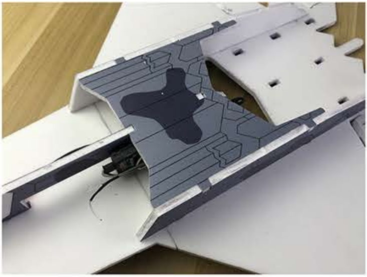




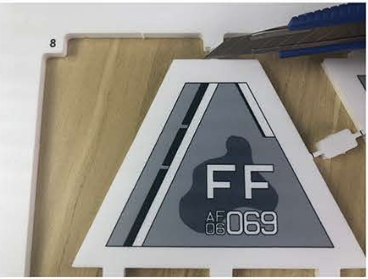


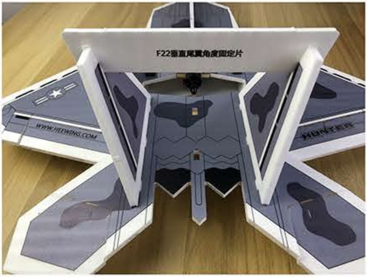
11.Find the No.4 board,cut along the connecting side. Align and bond as shown below.



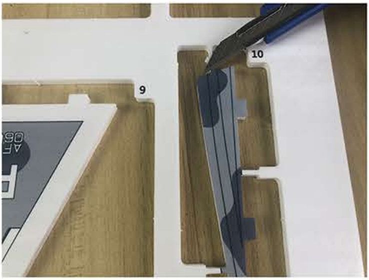


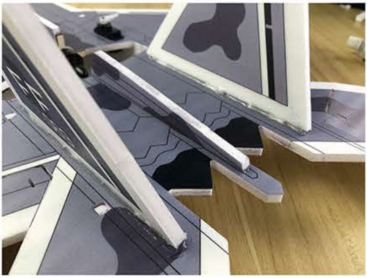
12.Find the No.8 and No.9 board,cut along the connecting side. Adjust the proper position and use the Tail vertical angle fixing seat to position fix, here needs to use hot melt glue to bond,take out the mounting plate after glue solidify.





13.Find the No.10 board, cut along the connecting side. Align and bond as shown below.



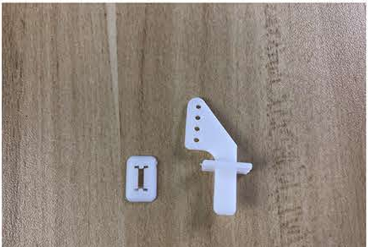


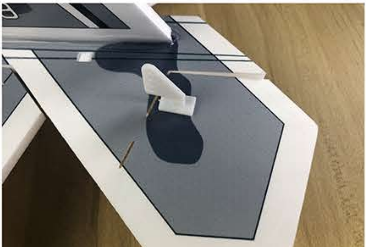
三、 SETUP

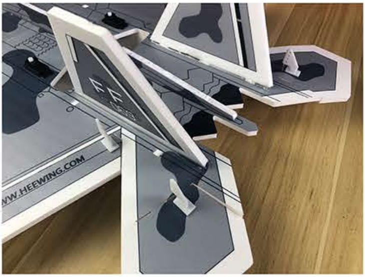
1. Connected with S.BUS receiver, transmitter set to regular "AIRPLANE" mode type. Find and switch on the CH5(MODE switch) and CH7(Throttle lock, if no CH7, default to unlock), bind the transmitter with receiver. (Binding method please refer to transmitter manual)

2. Install the nylon horn,linkage and linkage lock.

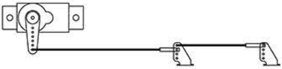
First to separate the nylon horn, use the upper horn part to insert the surface from the up side, then use the bottom half to tight from the down side, you can use some glue to strengthen in necessity. Use the same way to install rest of nylon horn.

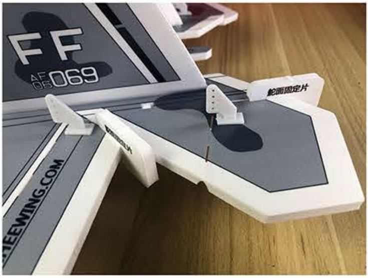


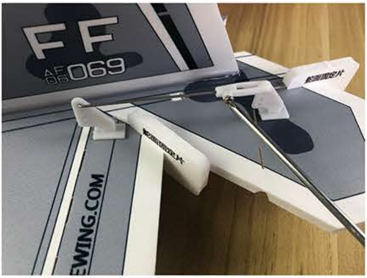


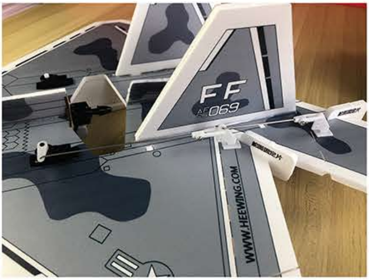


Use the rudder surface fixing seat to level fix(remove after installation), use the 60mm linkage to connect aileron and horizontal tail.(Linkage lock install to the first hole of the nylon horn). Then use 100mm linkage to connect servo and aileron.(Linkage connect to the first hold of servo arm and lock install to the second hole of aileron horn). Use the

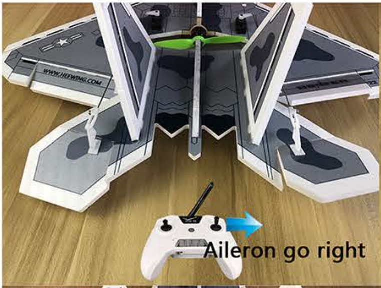




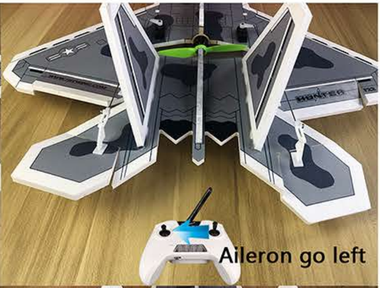




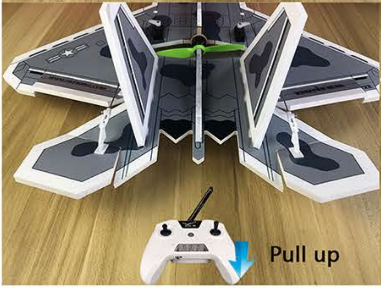
3.After installation, test the movement direction, check the flight controller correction is in properly direction.(As shown below is taking left hand throttle for example)



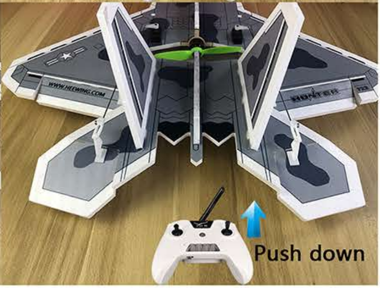
Aileron go right



Aileron go left

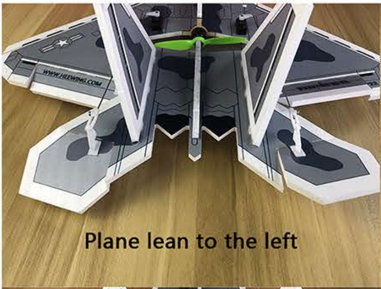


Pull up

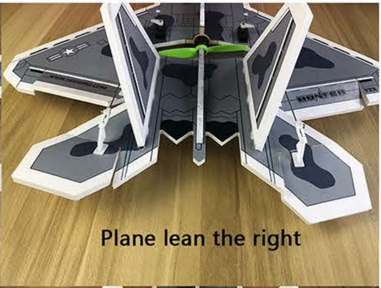


Push down

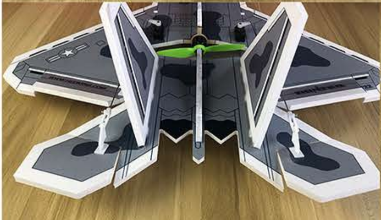
As shown below is flight controller correct direction:

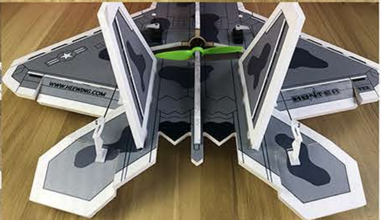


Plane lean to the left



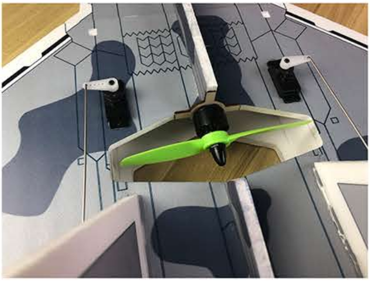
Plane lean the right

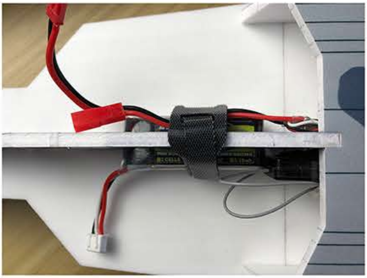




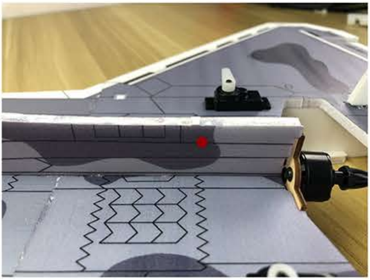
Nose down
Nose up

4. Install the propeller(Note: when facing motor, propeller with character side install backward). Install the battery.





As shown below, the red point position is the center of gravity for the plane.



5.Throttle stroke calibration

The aircraft requires to calibrated for throttle stroke before the first time fly.
1)Turn on the transmitter, Note: Throttle lock is being OFF.
2)Push the throttle stick to the top, then power on the plane.
3)Listen to the ESC tone, after 2 short beep tone, pull the throttle stick to the lowest.
4)Then will have 2 short tone to sound, self-inspection finished.
There may caused short tone after power on if you did not do the throttle stroke calibration.

四、 Trial flight

1. Always respect the rules provided by your local remote control aircraft organization. Choose an appropriate flying site consisting of a large open space to ensure the safety of yourself,others and your model.
2. Before operation, check that every movements is smooth and directions and functions are correct.
3. If you are using throw away to take off, please must attention to the propeller, avoid any unnecessary injuries.