SUPER-E is a new brand from Techone Hobby. It focus on the design and manufacture of electrical molded models. Innovation and concentration is our principle. SUPER-E will develop more electrical molded models to you all and give you brand-new flying experience.

Item.No: 08300

Features:

Katana is an aerobatic plane for outdoor flying. The design concept is originated from our Venus, i.e.: light weight, structural simplicity, easy to build etc... We make its wingspan at 1000mm and with approx. 600g flying weight, all of these are the basic requirements of this plane for outdoor flying. The technic of embedded carbon tubes inside fuselage and wing not only makes the plane decent and in smooth surface, but also ensure the intensity of the Plane. Most of the parts are pre-assembled in our factory.

1.The main landing gear uses 2.5mm steel wire as support, it's not easy to be damaged in case of hard landing.

2.Same as our Venus, the ESC and receiver are put into the equipment cabin. Considering that the battery will be replaced often, we put the battery in the position between the wing and fuselage, so it's convenient for replacing battery.

3.The structural design of the wing and fuselage is similar to Venus EPO, to lighten the weight on the basis of ensuring its intensity.

4.In order to fly under windy weather, we use carbon strips and carbon rods to reinforce entire plane's intensity and a carbon fiber hub is applied to combine those carbons, so you don't need to worry about Katana's intensity in case of violent flight.

5.Two colors are available for better choice.

Product Specifications

Fuselage Length: 1070mm(42.1in.)
Wingspan: 1000mm(39.4in.)
Flying Weight: 570-620g (with battery)
Motor : AS2216 KV1250
ESC : 30Amp
Propeller: 1047 SF prop
Servos: 8-10g micro servo *4pcs
Radio: 4/more channel
Receiver: 4/more channel
Battery: 11.1v 3S 1000mAh-1300mAh Li-po 20C

Recommended Environment: Outdoor

Assembly Time: Less than 1 Hour

Examine your kit carefully!
Super-e model kits are subject to constant quality checks throughout the production process, and we sincerely hope that you are completely satisfied with the contents of your kit. However, we would ask you to check all the parts before you start construction, referring to the Parts List, as we cannot exchange components which you have already modified. If you find any part is not acceptable for any reason, we will readily correct or exchange it once we have examined the faulty component. Just send the offending part to our Model Department. Please be sure to include the enclosed complaint form, duly completed. We are constantly working on improving our models, and for this reason we must reserve the right to change the kit contents in terms of shape or dimensions of parts, technology, materials and fittings, without prior notification. Please understand that we cannot entertain claims against us if the kit contents do not agree in every respect with the instructions and the illustrations.

Caution!
Radio-controlled models, and especially model aircraft, are by no means playthings in the usual sense of the term. Building and operating them safely requires a certain level of technical competence and manual skill, together with discipline and a responsible attitude at the flying field. Errors and carelessness in building and flying the model can result in serious personal injury and damage to property. Since we, as manufacturers, have no control over the construction, maintenance and operation of our products, we are obliged to take this opportunity to point out these hazards and to emphasise your personal responsibility.

Do not fly under the conditions below
Wind strong enough to make the trees rustle.
A street with many trees or street lamps.
Close to high voltage electrical wires.
High Population density areas.

Cautions for flying
Front lawns and parks make excellent flying areas. Make sure you have permission to fly and follow safety guidelines set by local authorities. The calmer the wind, the better!

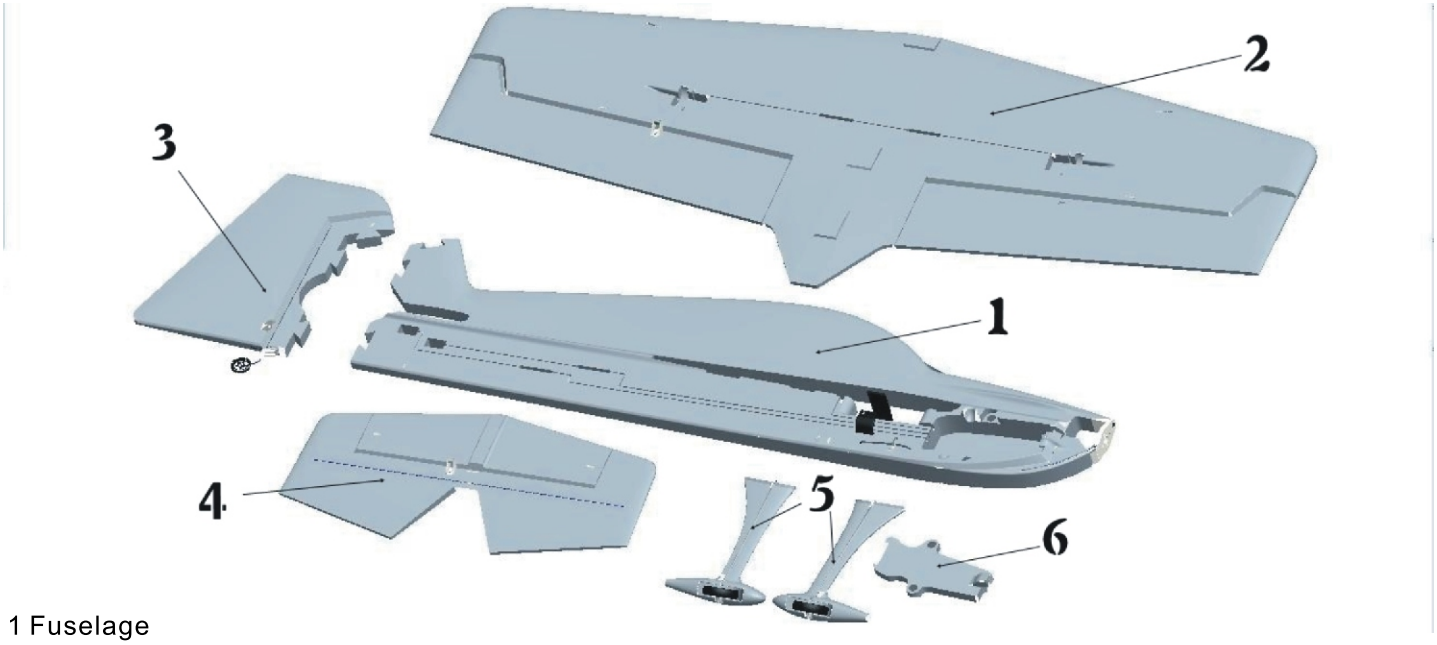
Note for Storage
Please disconnect the lipo packs when finished flying.
Do not press or crush the airplane when storing.
The best way to store is to hang the airplane to keep the control surface rigid.

Tools:
Scissors, balsa knife, combination pliers, screwdriver. quick-dry glue

Applying the decals

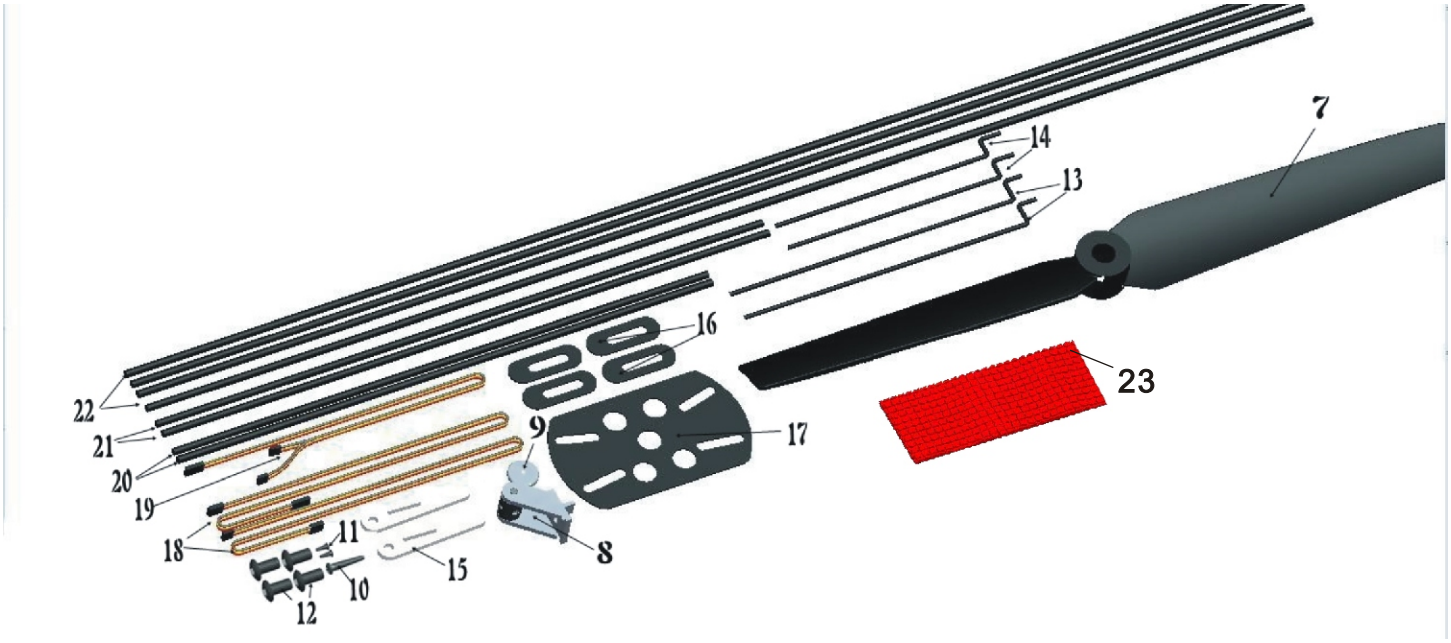
Please note we applied all the labels in our factory. In case that some orders are not required to apply labels, please apply the label by yourself according to above pictures.

Foam parts included in the packing:

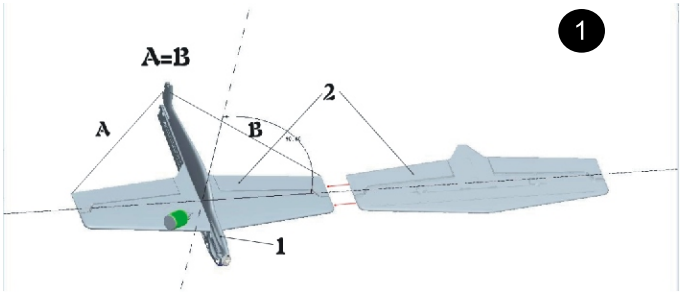


1 Fuselage
2 Wing
3 Rudder
4 Stabilizer
5 Left & right landing gear sets
6 Equipment cabin canopy

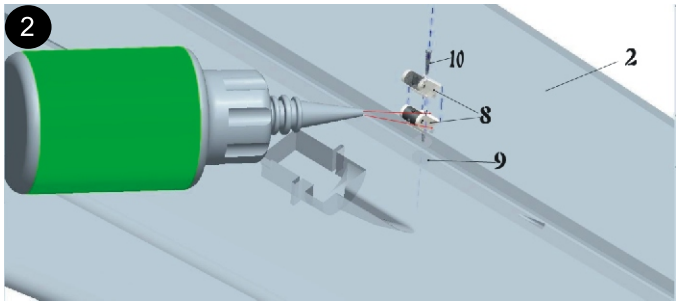
Parts included in the packing



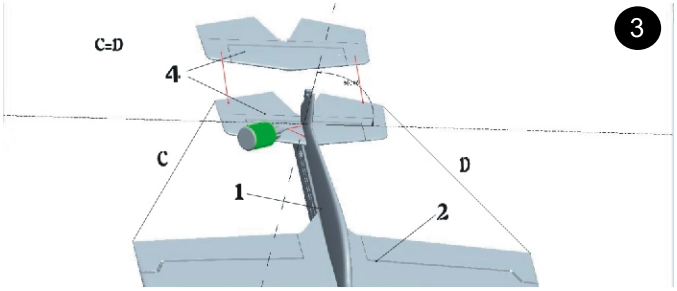
7 Propeller
8 Control horn
9 ABS doublers
10 Control horn screw
11 Servo arm extension fixing screw 2pcs
12 Motor fixing screws 4pcs
13 Rudder & elevator servo connecting rod 2pcs
14 Aileron servo connecting rod 2pcs
15 Servo arm extension 2pcs
16 1mm carbon fiber reinforcement 1 4pcs
17 1mm carbon fiber reinforcement 2
18 Servo extension 2pcs
19 Y connector
20 Lower stabilizer bracing rod 2pcs
21 Upper stabilizer bracing rod 2pcs
22 Wing bracing rod 4pcs
23 Nylon velcro



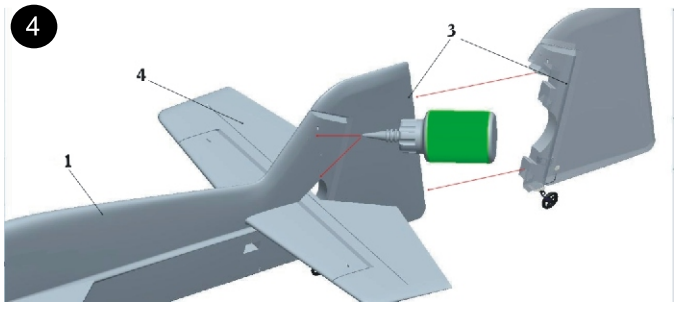
Insert wing into corresponding slots on fuselage, then use glue to fix. Make sure the wing without installed control horn pass through fuselage first, and ensure the wing is perpendicular to fuselage.



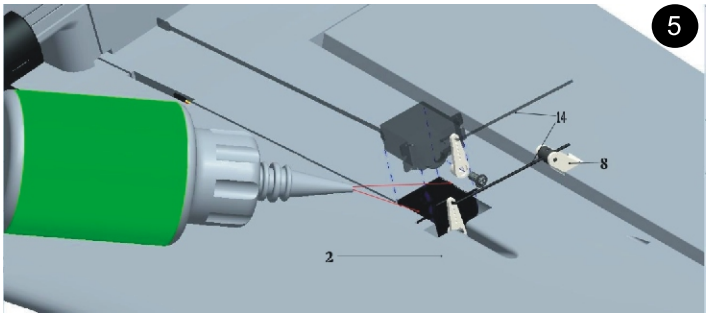
Install the control horns on another half of wing and fix with glue.



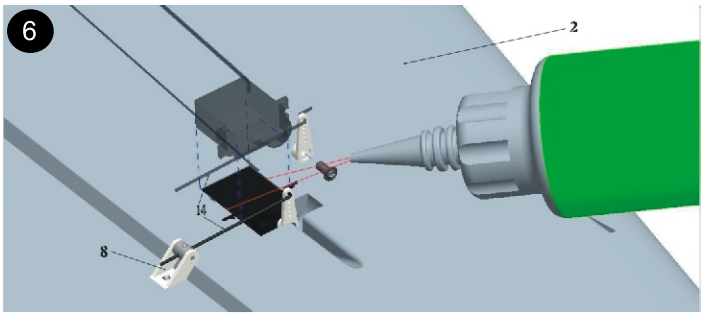
Insert stabilizer into the slot of rear fuselage and fix with glue. Make sure the fuselage is perpendicular to stabilizer and the stabilizer is centered, no excursion



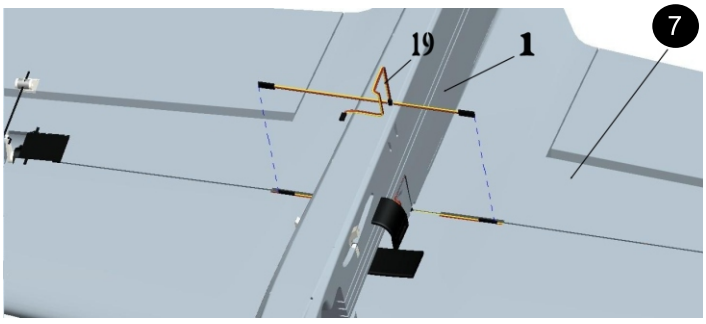
Attach rudder onto the rear fuselage according to their corresponding cuttings and fix with glue. Make sure the rudder is on the same level as fuselage.



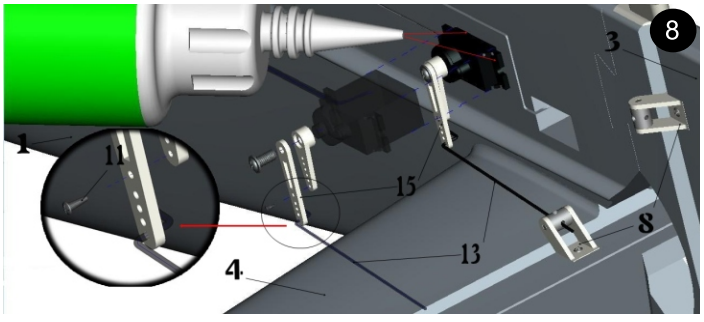
Use glue to fix servo into pre-cut place on wing, then connect servo and aileron control horn with connecting rod. Make sure the aileron surface is in neutral.



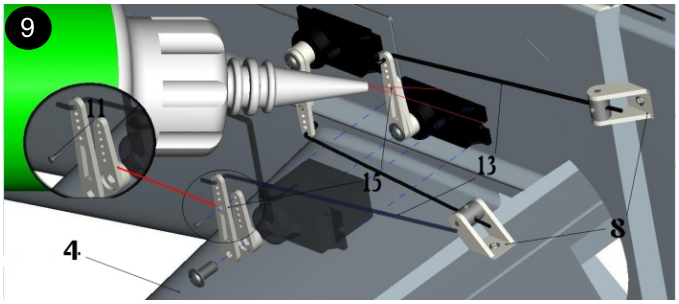
Install another servo on wing, it's same as last step.



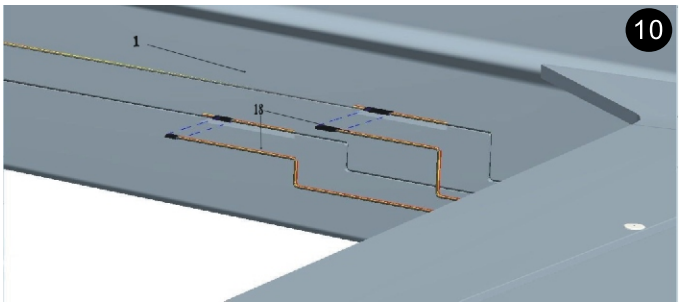
Use Y connector to connect left and ring aileron servos. And embed the wires of Y connector along the slots on wing.
Notice: pass the longer wire through the fuselage, then connect to the servo.



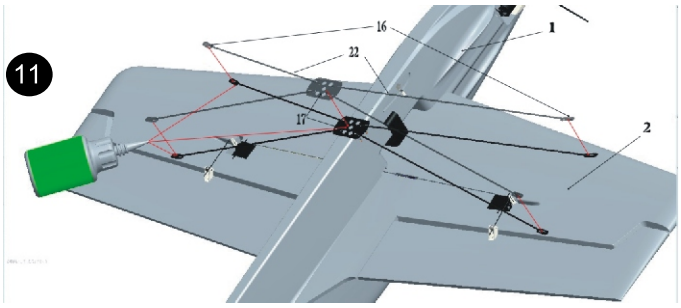
Install elevator servo on fuselage and fix with glue. And install the servo arm extension as picture shown. Then embed servo wire into the slot on fuselage.
Notice: make sure elevator surface is in neutral while assembly.



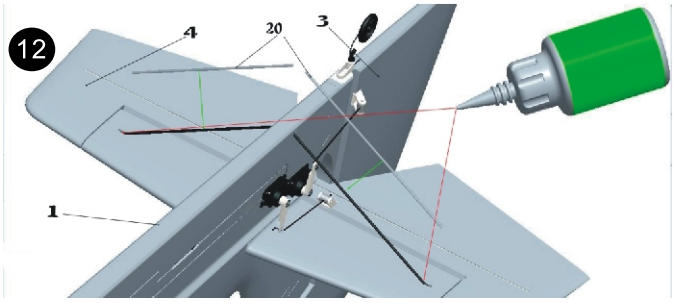
Install rudder servo, same step as elevator servo.



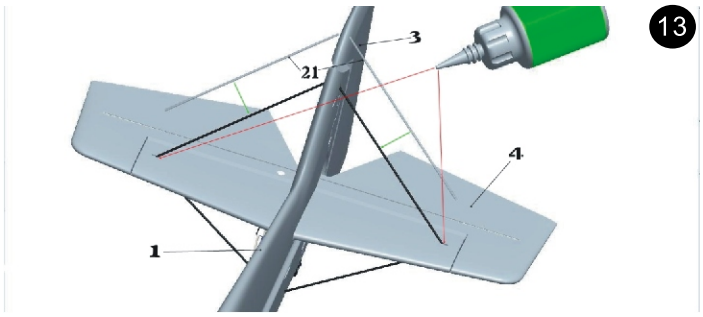
Connect elevator & rudder servo extension to servos and embed them into the slots on fuselage, refer to above picture.
Make sure the colors of servo wire are correct while assembly.



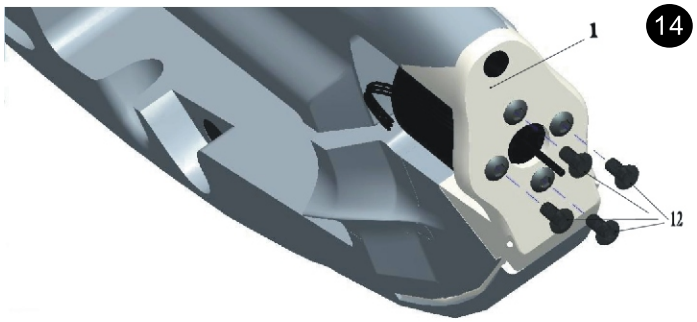
Install wing bracing rods with 1mm carbon fiber reinforcements and fix with glue. Please take notice on the installed places and directions of reinforcements while assembly.



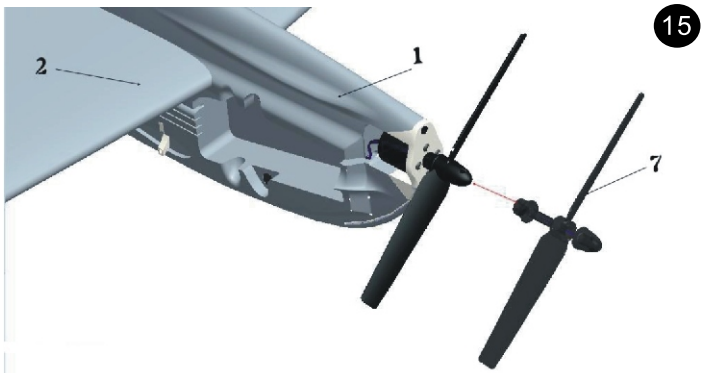
Install lower stabilizer bracing rods as picture shown. Make sure stabilizer is perpendicular to fuselage.



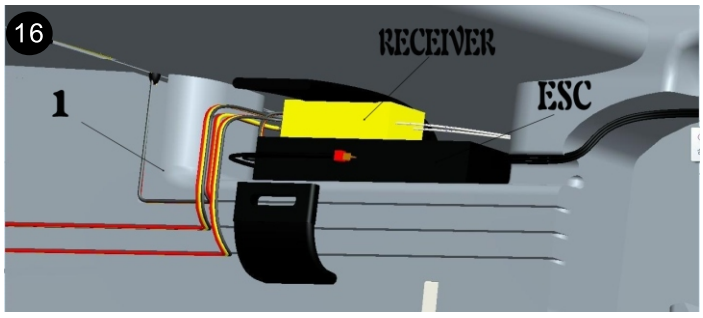
Install upper stabilizer bracing rods onto the slots of stabilizer and rear fuselage, then fix with glue. Make sure stabilizer is perpendicular to fuselage and rudder is on the same level as fuselage, no distortion.



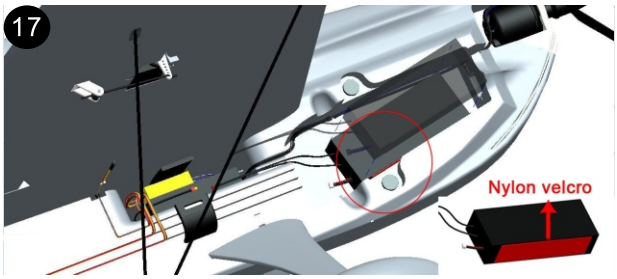
Install the motor onto the motor mount and fix with screws.



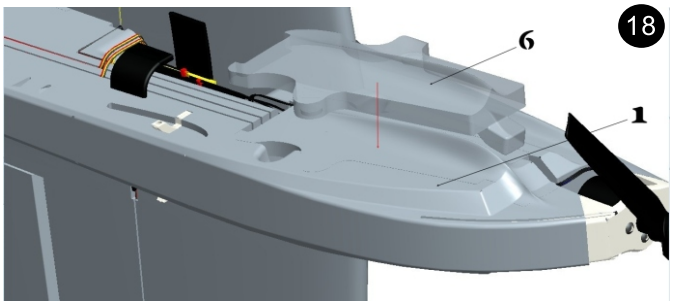
Install propeller collet and its base on motor. Please check if propeller is fixed well before flying.



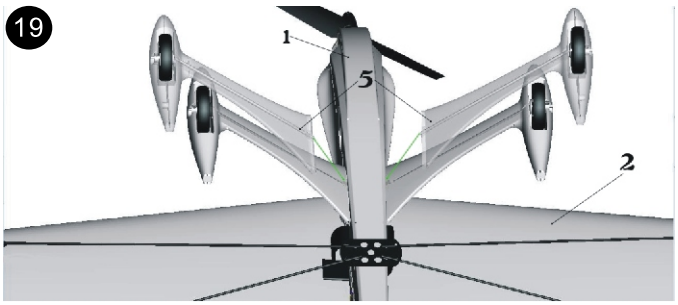
Place ESC and receiver into equipment cabin, and settle the wires as picture shown.



Place battery inside the slot of fuselage and fix with nylon velcro band. Please double check if battery is fixed firmly before flying. Then turn on transmitter and power on to do equipment test.



Cover the equipment cabin canopy. To avoid missing equpments while flying, please check if magnets on canopy and fuselage are sticked firmly before flying.

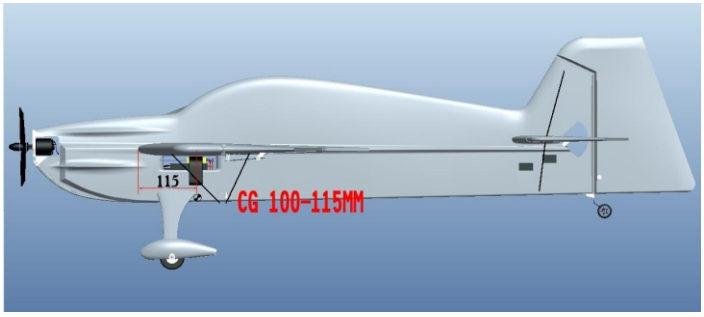


Separately insert left and right landing gear sets into the hub on fuselage, then drop some glue on the joints to fix.

Recommended Flying Setup

Max servo travel of aileron: 30 degrees up and 30degrees down(60mm)
Max servo travel of elevator:45 degrees up and 45 degrees down(105mm)
Max servo travel of rudder: 40 degrees left and 40 degrees right (150mm)

Setting the correct control surface travels is important if you wish the model to respond to the control commands in a balanced manner.
The travels should always be measured at the widest part of the control surface.
The control surface throws are not critical, and if you are unable to set the exact stated travels using your transmitter's adjustment facilities, that's no problem. If the discrepancy is relatively great, you will need to re-connect the linkage using a different hole at the horn or servo output arm.
If you intend to fly the model as a trainer, we recommend that you reduce the control surface travels to about 50 - 60% of the stated values.



Setting the Centre of Gravity

Like any other aircraft, the *katana 3d* must be balanced at a particular point in order to achieve stable flying characteristics. Assemble your model ready to fly, and install the flight battery.
The Centre of Gravity (CG) should be at a position of 100-115 mm away from leading edge, please refer to above picture.
Support the model at this position on two fingertips, and it should balance level. If not, you can move the flight battery forward or aft to correct the balance point. Once the correct position is found, mark the location of the flight pack inside the model to ensure that it is always replaced in the same position.

Preparations for the first flight

Please wait for a day with as little breeze as possible for the model's initial test-flight. The evening hours are often ideal for calm conditions.
Be sure to carry out a range check before the first flight, using the procedure described in your RC system instructions. If you encounter a problem, please don't risk a flight.
The first flight ...
If you are a beginner to model flying we strongly recommend
that you ask an experienced model pilot to help you for the first few flights.

Hand-launching

Please don't try unpowered test-glides with this model – the result is invariably a damaged airframe. The KATANA should be hand-launched with the motor running at half-throttle, and always pointing directly into wind.
Ask an experienced modeller to hand-launch your aircraft for you.
The launcher should run forward for two or three paces, then give the machine a powerful straight launch, with the wings and fuselage level. Use the controls to hold the model in a steady, gentle climb - remember to keep the rate of ascent shallow and the airspeed high!
Allow the aeroplane to climb to a safe height, then adjust the trims on the transmitter until it flies in a perfectly straight line "hands off". While the model is still at a safe altitude, throttle back and try out the controls on the glide. Carry out a "dry run" landing approach at a safe height so that you are prepared for the real landing when the battery runs flat.
Don't try any tight turns at first, and especially not on the landing approach at low altitude. It is always better to land safely at some distance from you, than to force the model back to your feet and risk a heavy landing.

Safety

Safety is the First Commandment when flying any model aircraft.
Third party insurance should be considered a basic essential. If you join a model club suitable cover will usually be available through the organisation. It is your personal responsibility to ensure that your insurance is adequate. Make it your job to keep your models and your radio control system in perfect order at all times. Check the correct charging procedure for the batteries you are using. Make use of all sensible safety systems and precautions which are advised for your system. An excellent source of practical accessories is the SUPER-E main catalogue, as our products are designed and manufactured exclusively by practising modellers for other practising modellers.
Always fly with a responsible attitude. You may think that flying low over other people's heads is proof of your piloting skill; others know better. The real expert does not need to prove
himself in such childish ways. Let other pilots know that this is what you think too.
Always fly in such a way that you do not endanger yourself or others. Bear in mind that even the best RC system in the world is subject to outside interference. No matter how many years of accident-free flying you have under your belt, you have no idea what will happen in the next minute.

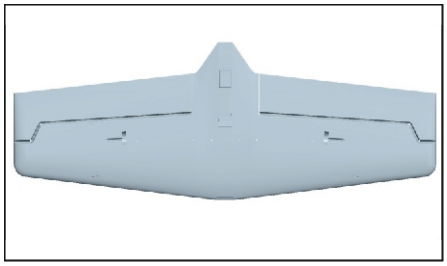
The SUPER-E team - hope you have many hours of pleasure building and flying your new model.

www.super-emodel.com
www.techonehobby.com
Email:
salestechone@gmail.com
hobbytechone@gmail.com
techonesales4@gmail.com

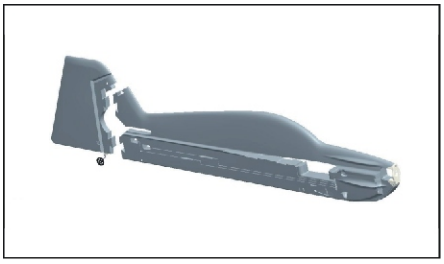
Katana Red: 08300R

Katana Blue: 08300B

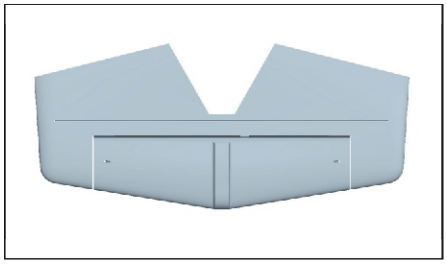
Item.No: 08301
Wing



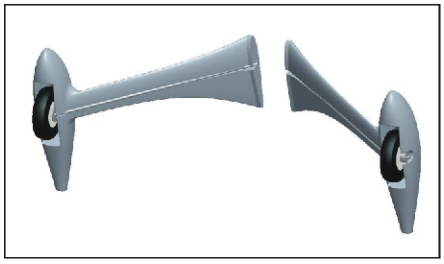
Item.No: 08302
Fuselage



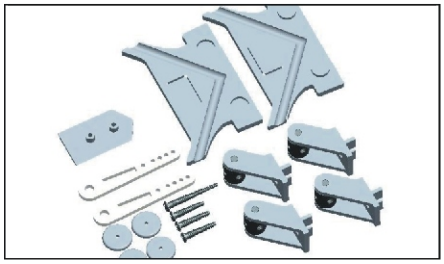
Item.No: 08303
Stabilizer



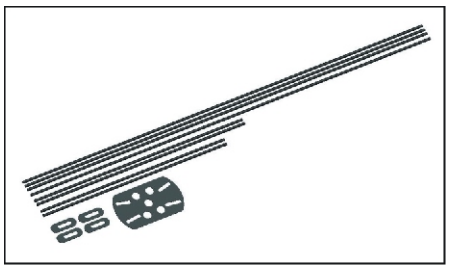
Item.No: 08304
Landing gear sets



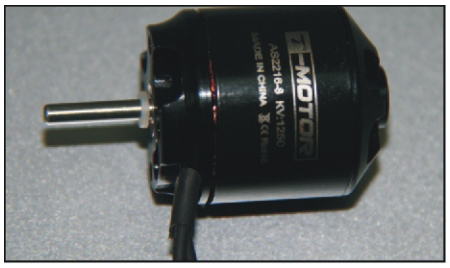
Item.No: 08305
Plastic parts



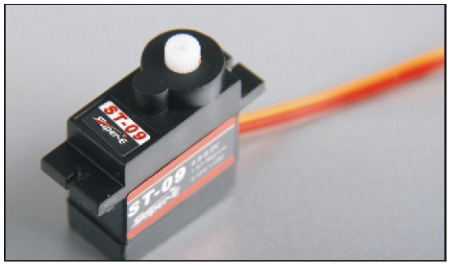
Item.No: 08306
Carbon fiber bracings



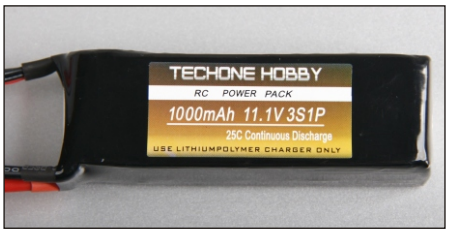
Item.No: 08307
Motor:AS2216 KV1250



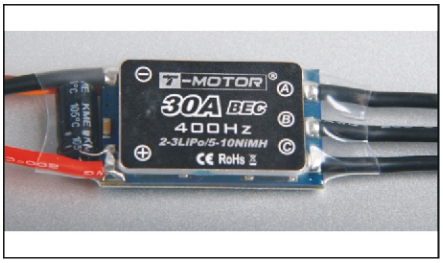
Item.No: 08308
Servo: 9g micro servo



Item.No: 08309
Battery :11.1V 3S 1000mAh Li-po



Item.No: 08310
ESC : 30Amp



Item.No: 08311
Propeller: 1047 SF prop