

TRAINER KING



USER MANUAL

Introduction

The Skynetic Trainer King EPP is a high wing trainer that is perfect for learning how to fly. Both wing and gear are easily removable for transport and/or flying preference. Made of light yet durable EPP foam with a high and ample-cambered wing and rugged tri-gear, the Trainer King is tailor-made for anyone wanting a capable trainer for flight training.

Features

1. An ideal, low-cost trainer for beginners
2. Durable EPP foam
3. Straightforward assembly with basic tools
4. Easy to repair and low-cost to operate
5. Factory-assembled fuselage
6. Rugged tri-gear for easier landings

Product Specifications

Fuselage length: 950mm (37.4in)
Wingspan: 1118mm (44in.)
Flying Weight: 600-650g (with battery)
Motor: AS2216 KV 880
ESC: 30Amp
Propeller: 19x47
Servo: 8-9g micro servo*4pcs
Radio: 4 channel
Battery: 11.1 V 1300mAh-1800mAh Li-po

Avoid flying in these conditions

Rainy or windy conditions
Enclosed areas smaller than a soccer field
Close to high voltage electrical wires
Areas unsuitable for flying model airplanes

Observe All Laws

You are responsible for following all rules, laws, and safety guidelines set by local authorities.

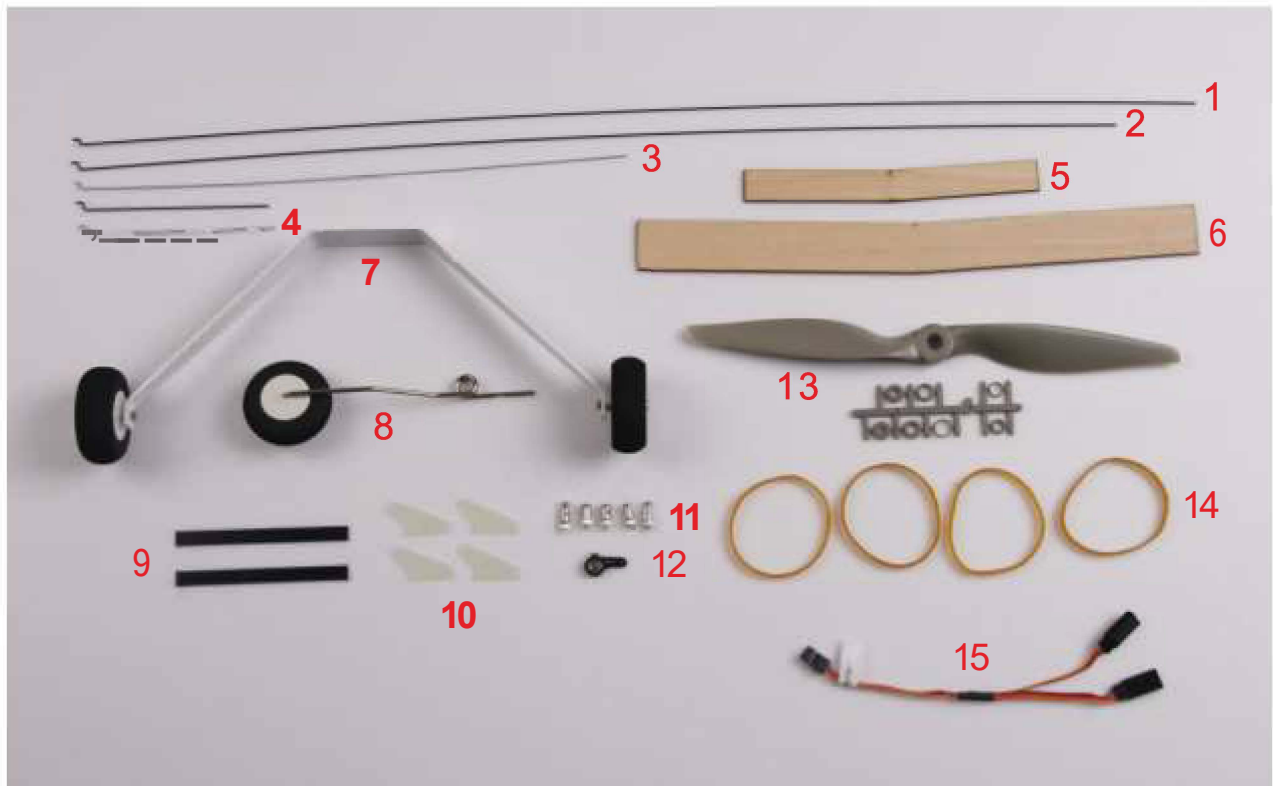
Proper Storage

Disconnect the battery pack from the airplane after flying. Do not press or crush the airplane when storing. Store the model in a clean, dry, cool area. Avoid extreme heat at all times.

CG position:



Parts included in the box



- | | | | |
|--|------|----------------------------|------|
| 1. Elevator push rod 1.2*585MM | 1pc | 10. Glass fiber servo horn | 4pcs |
| 2. Rudder push rod 1.2*545MM | 1pc | 11. Push rod adjuster | 4pcs |
| 3. Front landing gear push rod 1*285MM | 1pc | 12. Front wheel steering | 1pc |
| 4. Aileron push rod 1.2*95MM | 2pcs | 13. 10*7 prop and parts | 1pc |
| 5. Wing connecting plywood 1 | 1pc | 14. Rubberband | 4pcs |
| 6. Wing connecting plywood 2 | 1pc | 15. Y harness | 1pc |
| 7. Main landing gear | 1pc | | |
| 8. Front landing gear | 1pc | | |
| 9. Wing reinforcing carbon tube | 2pcs | | |
| | | | |

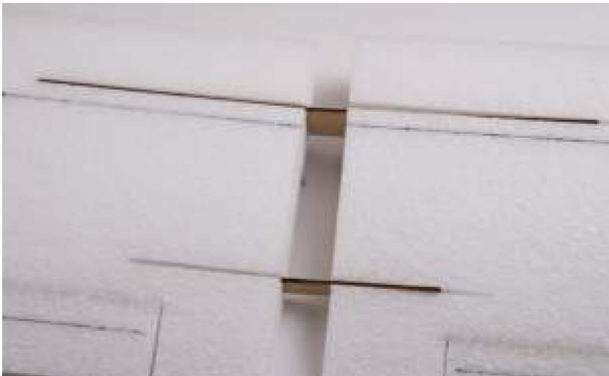
The items below are required for assembly



The assembly steps:



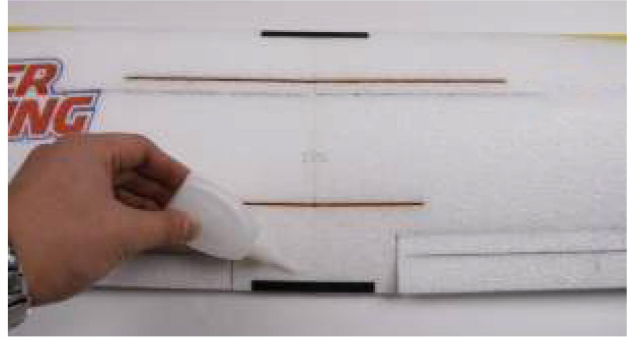
1. Insert the 2pcs wing connecting plywoods into the slots on left wing.



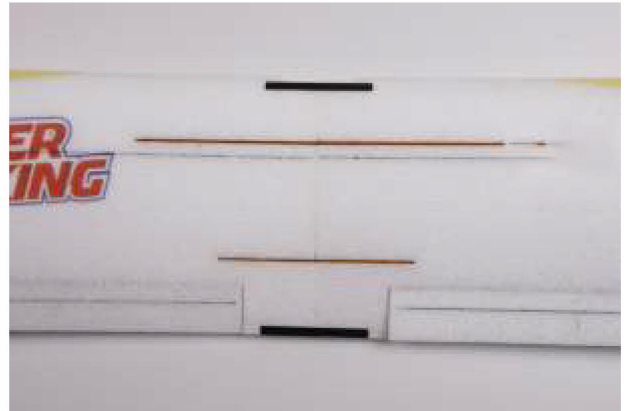
2. Align the right wing and insert the plywood into the slots on right wing. Make sure each half of plywood inside the half wing is equal.



3. Fix the joints with glue.



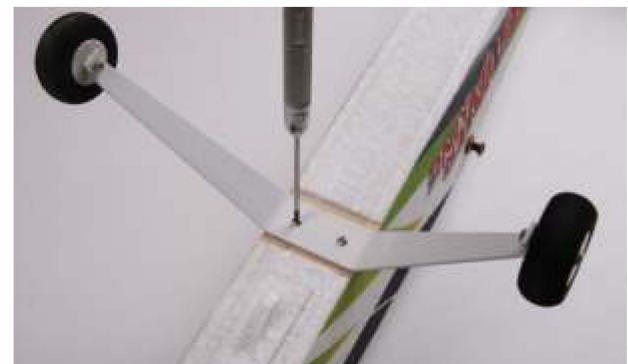
4. Stick the carbon strips on middle leading edge and trailing edge with glue for reinforcement.



Fuselage



Landing gear



5. Install the landing gear on corresponding place as picture shown.



1*285MM front landing gear push rod



Front landing gear



6. Insert the push rod (the end without Z bend) into the hole according to the position shown in the picture.



9. Insert the landing gear into corresponding place in above picture, then fix it with screw.



Servo arm for front landing gear



7. Connect the servo arm to Z bend.



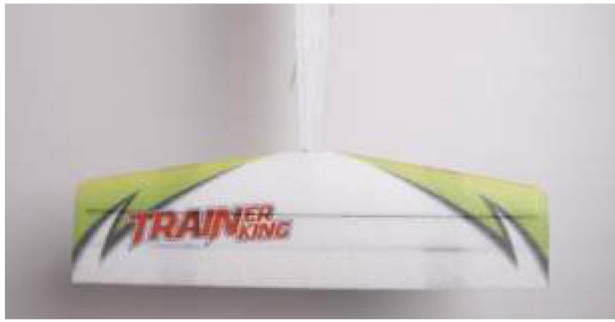
Stabilizer



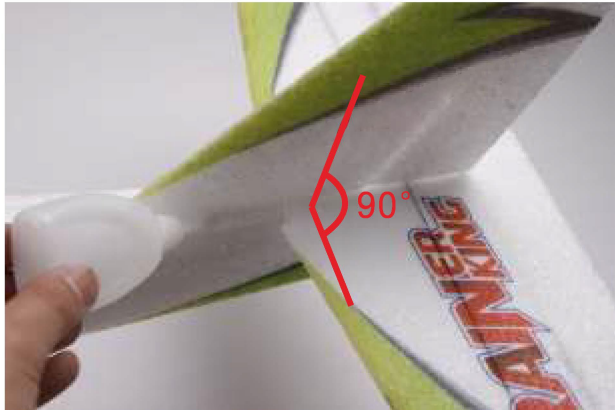
8. Put the servo arm into the slot as picture shown.



10. Install the stabilizer on the fuselage with glue.



Rudder



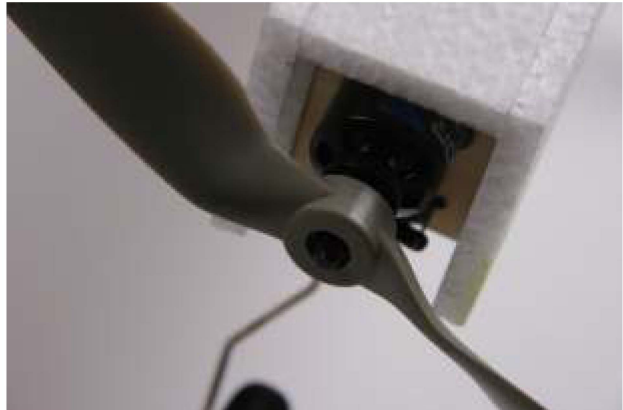
11. Please check there's a small pre-cut slot on rudder, please align this slot with the leading edge of stabilizer, then install the rudder on stabilizer with glue. Make sure rudder and stabilizer is perpendicular to each other.



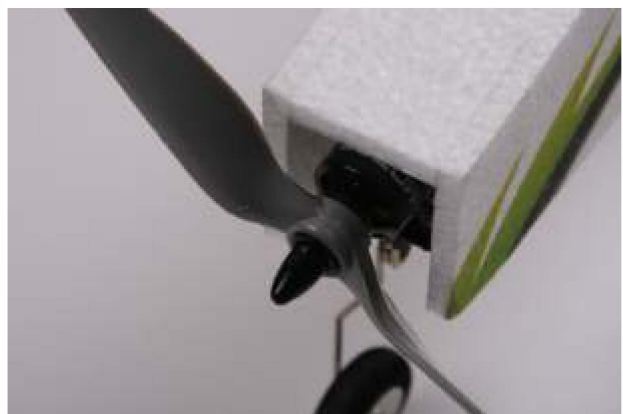
10*7 prop and parts



12. Press the round plastic part into the propeller hub.



13. Install the propeller onto the motor shaft.





Elevator push rod 1.2*585MM
Rudder push rod 1.2*585MM



Servo arm



14. Connect the servo arm to Z bend, then use screw to fix the servo arm on servo.



Fiberglass servo horn and adjuster



Fiberglass servo horn and adjuster



15. Cut a small slot for installing the control horn (position refer to above picture), then insert the control horn and fix with glue _ _ _



16. Plug the push rod into adjuster and keep the control surface in flat, then fix the adjuster with screwdriver.



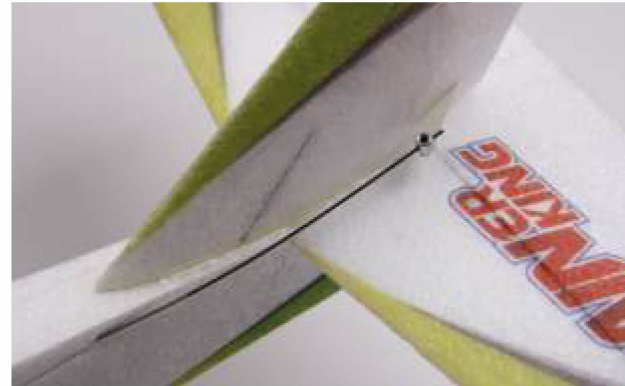
Install the servo arm for front landing gear and rudder.



20.Plug the pushrod into adjuster and keep the control surface in flat, then fix the adjuster with screwdriver.



17. Connect the Z bend to servo arm and plug the pushrod into adjuster.

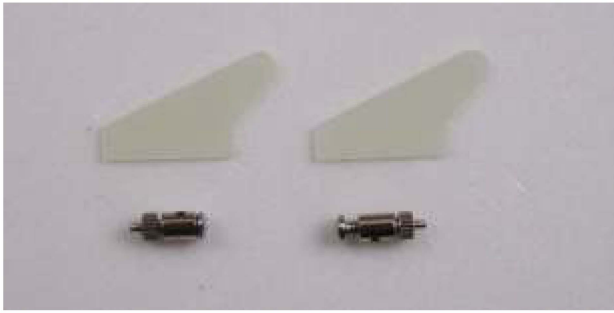


18. Fix the servo arm with screw.



19. Cut a small slot for installing the control horn (position refer to above picture), then insert the control horn and fix with glue.

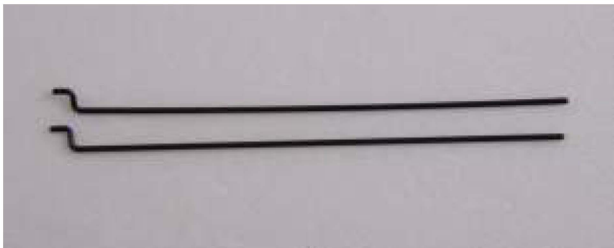




Fiberglass control horn and adjuster



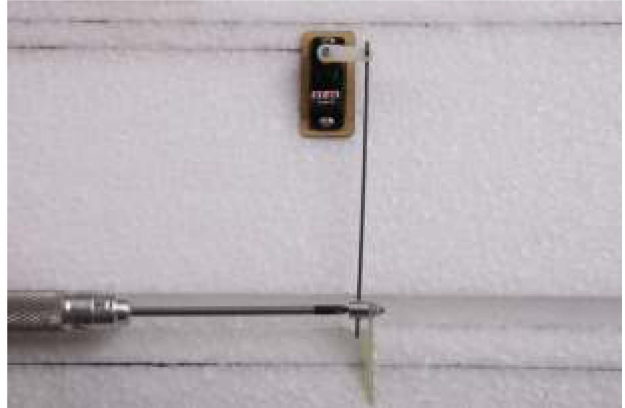
21. Cut a small slot on aileron for installing the control horn (position refer to above picture), then insert the control horn and fix with glue.



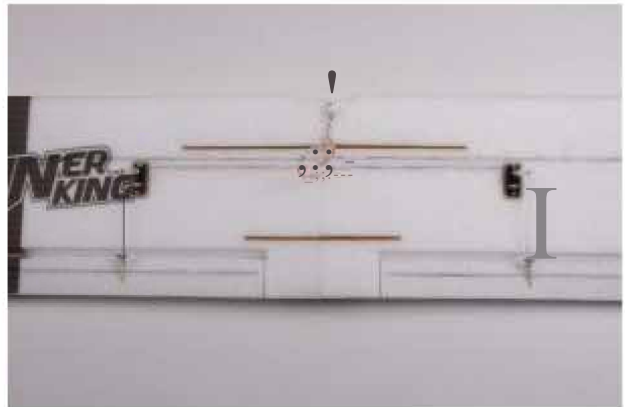
Aileron push rod 1.2*95MM



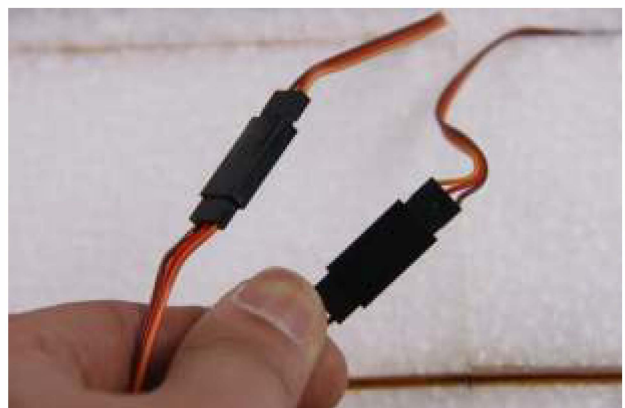
22. Connect aileron pushrod to servo arm, then fix servo arm with screw.



23. Plug another end of push rod into adjuster, then fix it with screwdriver.



Y harness



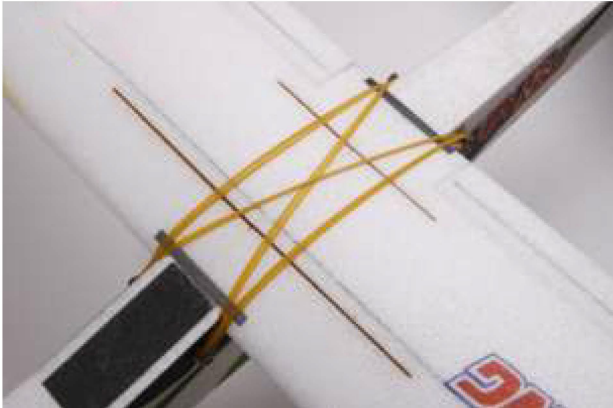
24. Connect two aileron servo leads to Y harness.



Rubber band



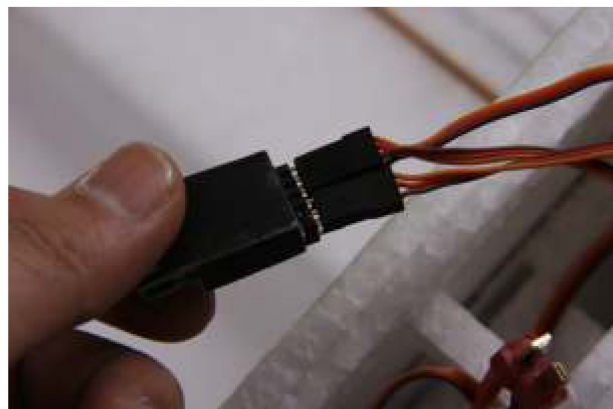
One 11.1 V 3S 1300MAH LiPo battery is required



25. Fix the wing onto the fuselage by using rubber band.



Receiver



26. Plug all servos connectors into your provided radio receiver. A minimum 4-channel receiver is required.





Put battery inside the fuselage cabin, then close the battery canopy.



While assembling, the flying weight is really critical to the flight performance and will be affected by adding weight, so you should reduce any unnecessary weight while assembly.

View the Pre-Flight Checklist on MotionRC.com before flying your Skynetic Trainer King for the first time. Following this guide will maximize your positive experience when flying this model airplane.

