

FUN WORLD-EP 400





Requires: 4 - channel radio w/ 4 micro servos, 20A Brushless ESC, 3 cells 11.1V 2100 mAh Li-Po battery & charger.

∠Specifications

Wing Span 39.5 in / 1000mm

Wing Area 421 sq in / 27.2 sq dm

Flying Weight 25.4 oz / 720g

Fuselage Length 39.5 in / 1000mm

Specifications are subject to change without notice.

Warning! This model is not a toy.

It is designed for maximum performance. Please seek advice if one is not familiar with this kind of electric powered precision model. Operating this model without prior preparation may cause injuries. Remember, safety is the most important thing. Always keep this instruction manual at hand for quick reference.



THE WORLD MODELS MANUFACTURING CO.,LTD.

FACTORY PRE-FABRICATED ALMOST-READY-TO-FLY (ARF) SERIES MADE IN CHINA

www.theworldmodels.com

FUN WORLD-EP 400

INDEX-

BEFORE YOU BEGIN	P. 1
PARTS LIST	P. 2
ASSEMBLY	P. 3 - 10
SAFETY PRECAUTIONS	P. 10

BEFORE YOU BEGIN

- Read through the manual before you begin, so you will have an overall idea of what to do.
- Check all parts. If you find any defective or missing parts contact your local dealer. Please DRY FIT and check for defects for all parts that will require CA or Epoxy for final assembly. Any parts you find to be defective after the gluing process may be difficult to remove for warranty replacement. The manufacturer will replace any defective parts, but will not extend to the parts that are good before gluing to defective parts during assembly. Warranty will not cover any parts modified by customer.
- Symbols used throughout this instruction manual comprise of the following: -



Apply epoxy glue.



Apply instant glue (C.A.glue, super glue.)



Assemble left and right sides the same way.



Ensure smooth non-binding movement while assembling.



Peel off shaded portion covering film.



Cut off shaded portion.



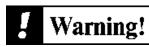
Drill holes with the specified diameter (here: 3mm).



Must be purchased separately!



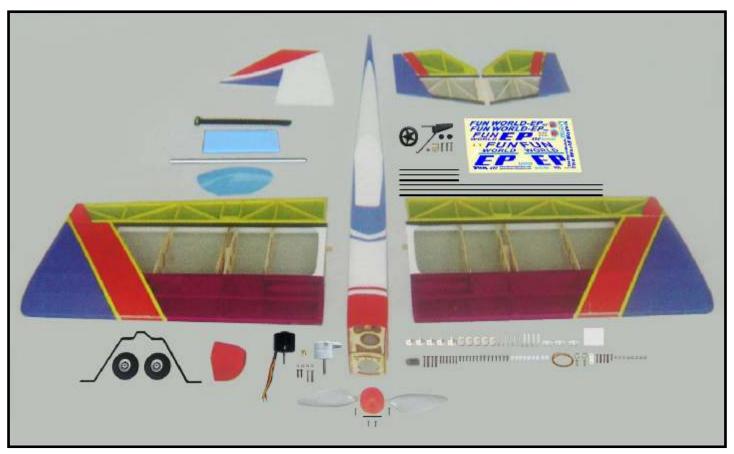
Pay close attention here!



Do not overlook this symbol!



Pierce the shaded portion covering film.



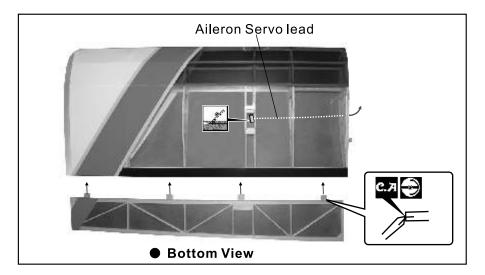
Parts List

- 1. MAIN WING -- 1 pair
- 2. PUSHROD Ø1.4x105mm w/ Threads (For Aileron) -- 2 pcs STRAPER -- 2 pcs CLEVIS -- 2 pcs FUEL TUBE d2xD4x4mm -- 4 pcs HORN -- 2 sets SCREW PM2x10mm -- 4 pcs
- 3. FUSELAGE -- 1 pc. STABILIZER & ELEVATOR -- 1 set
- 4. VERTICAL FIN & RUDDER -- 1 set
- 5. TAIL LANDING GEAR -- 1 set
 PLASTIC COLLAR d1XD5x2mm -- 2pcs
 TAIL WHEEL Ø23mm -- 1 pc.
 ALUMINUM PLATE 0.3mm -- 1pc.
 SCREW PA2x8mm -- 2 pcs
 SCREW PM2x8mm -- 1 pc.
 M2 NUT -- 1 pc.
- 6. MAIN LANDING GEAR -- 1 set
 MAIN WHEEL Ø40mm -- 2 sets
 COLLAR 2.6mm w/ set screw -- 2 pcs
 LANDING WIRE STRAPS PL4114030 -- 3 pcs
 SCREW PA2.3x10mm -- 6 pcs
- 7. PUSHROD Ø1.4x420mm w/ Threads (For Elevator) -- 2 pcs CLEVIS -- 2 pcs HORN -- 2 sets SCREW PM2x10mm -- 4 pcs FUEL TUBE d2xD4x4mm -- 2 pcs
- 8. PUSHROD Ø1.4x510mm w/ Threads (For Rudder) -- 1 pc. CLEVIS -- 1 pc. FUEL TUBE d2xD4x4mm -- 1 pc. HORN -- 1 set SCREW PM2x10mm -- 2 pcs
- 9. KM0203800 OUTRUNNER MOTOR (Ø2.3mm) -- 1 set 400 GEARBOX -- 1 set FOLDING PROPELLER SET(11X5) -- 1 set SPINNER Ø36mm -- 1 set COWLING -- 1 pc. SCREW PWA2x8mm -- 4 pcs

- 10. PUSHROD Ø1.4x100mm (For Elevator) -- 1 pc. PUSHROD CONNECTOR PL4410020 -- 1 set FUEL TUBE d2xD4x4mm -- 2 pcs STRAPER -- 2 pcs SPONGE 10x50x150mm -- 1 pc. BATTERY TIE 200mm -- 1 pc. DOUBLE-SIDED TAPE 30x35mm -- 1 pc. SCREW PM2x10mm -- 2 pcs WASHER d2xD5mm -- 2 pcs M2 NYLON INSERT LOCK NUT -- 2 pcs MOUNTING PLATE PL4114015 -- 2 pcs PLYWOOD 2x56x95mm -- 1 pc. BALSA 1.5x56x205mm -- 1 pc.
- 11. CANOPY -- 1 pc. SCREW PWA2x8mm -- 4 pcs
- 12. EYE SCREW PA2.5x10x23mm -- 2 pcs WING TUBE Ø9.6x240mm -- 1 pc. RUBBER BAND D30x1mm -- 2 pcs
- 13. DECALS -- 1 set
- COVERING:-

LIGHTEX SGX000 TRANSPARENT
LIGHTEX SGX030 TRANSPARENT YELLOW
LIGHTEX SGX100 WHITE
LIGHTEX SGX050 TRANSPARENT BLUE
LIGHTEX SGX241 TURQUOISE
LIGHTEX SGX360 VIOLET
LIGHTEX SGX330 CADMIUM YELLOW
LIGHTEX SGX313 PINK
LIGHTEX SGX201 BLACK
LIGHTEX SGX251 SKY BLUE
LIGHTEX SGX250 BLUE
LIGHTEX SGX311 FERRARI RED
LIGHTEX SGX310 RED

1 Main Wing



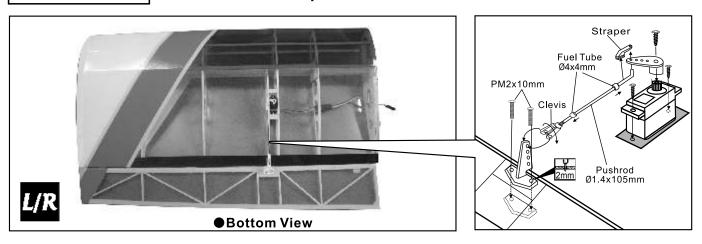
 Apply instant type CA glue to both sides of each hinge.



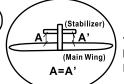
2 Aileron Servo

PM2x10mm **Screw**

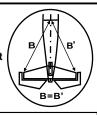
Ø1mm pilot holes for World Models control horn are pre-drilled.
 Please look for pin-hole marks at under side of control surfaces.

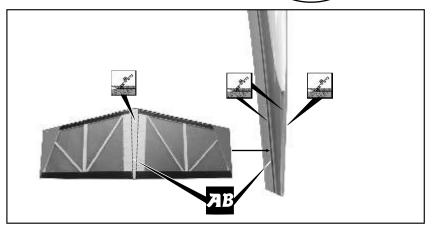


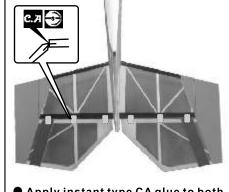
3 Stabilizer & Elevator



Temporary install the main wing, adjust leveling of the stabilizer to make it as parallel to the main wing as possible.

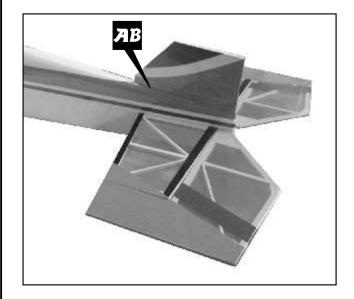


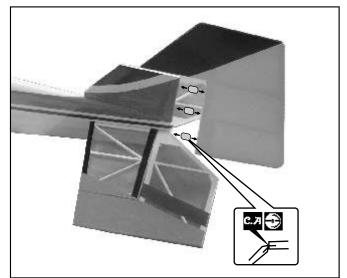


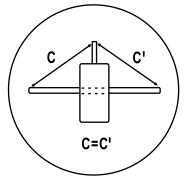


 Apply instant type CA glue to both sides of each hinge.

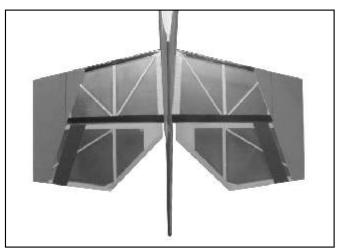
4 Vertical Fin & Rudder







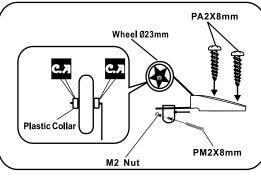
 Apply instant type CA glue to both sides of each hinge.

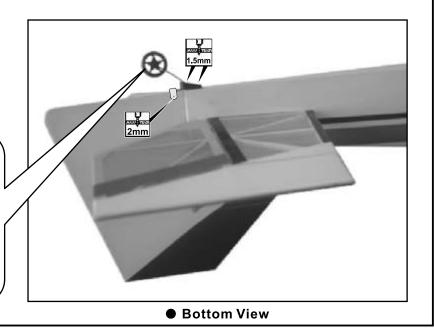


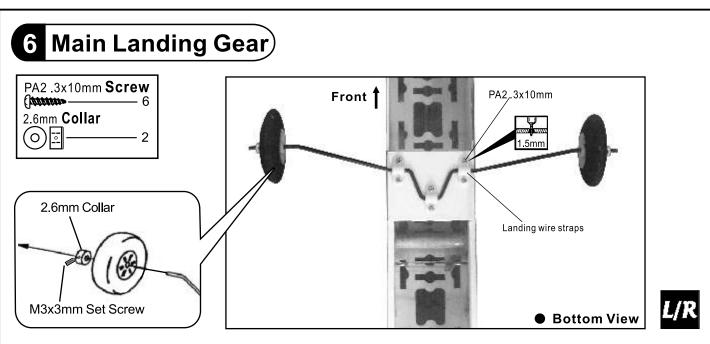
Completed

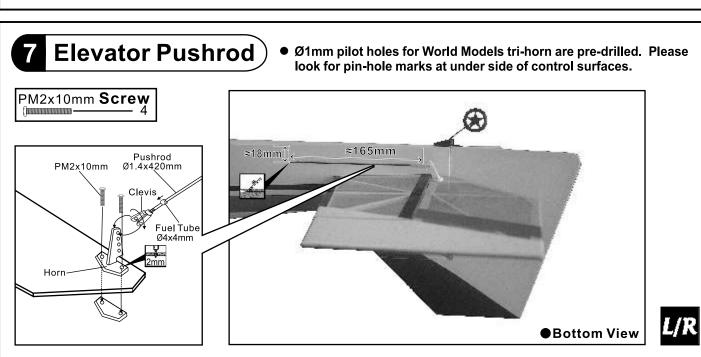


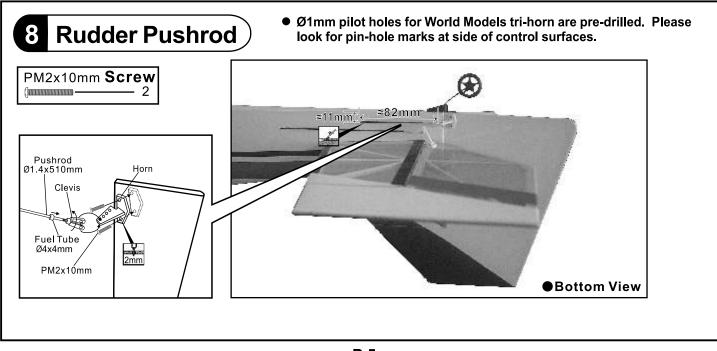






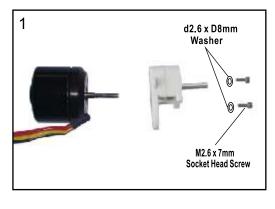


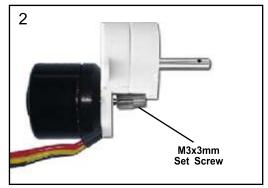




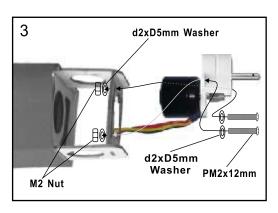
9 Outrunner Motor & Cowling

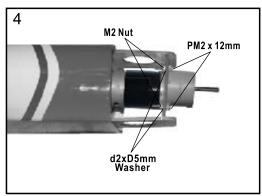




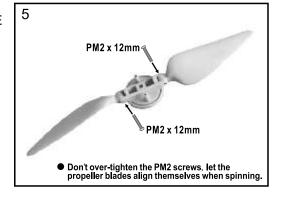


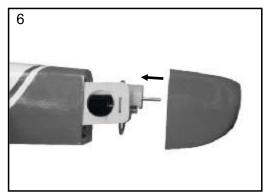
● TO ALLOW FOR BACKLASH OF MATCHING GEAR, PUT A PIECE OF THIN PAPER BETWEEN THE GEARS AND THEN TIGHTEN THE M2.6X7mm SCREWS. REMOVE THE PAPER BEFORE FLYING.

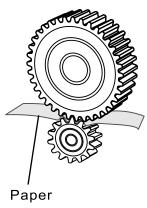


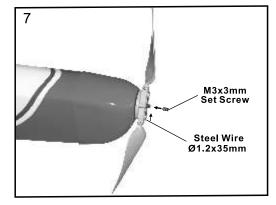


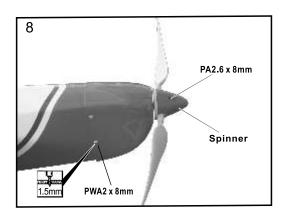
Make sure rotating motor casing is not in contact with wirings or anything.









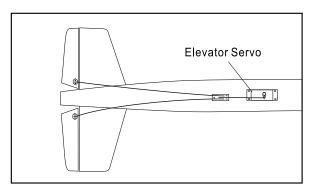


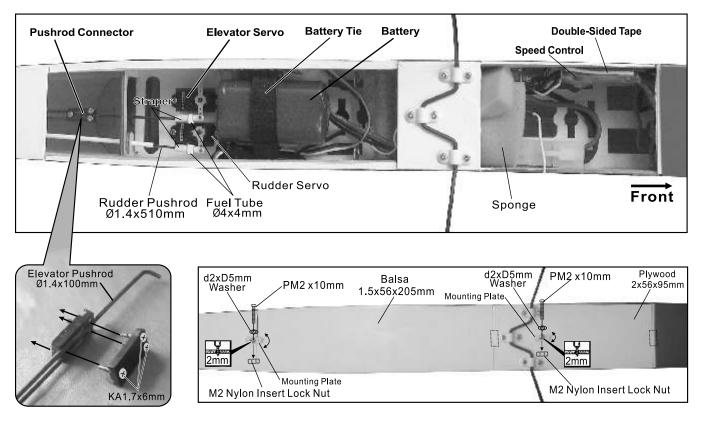


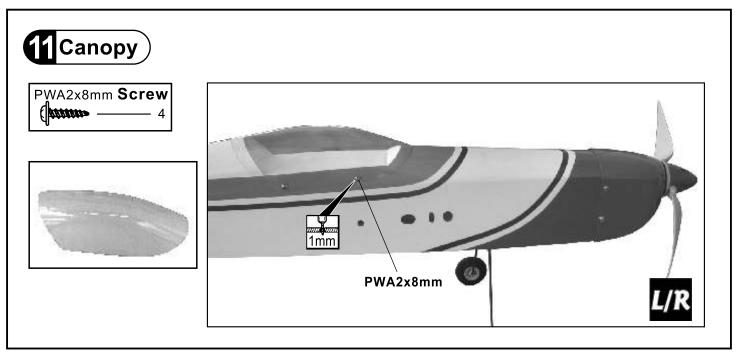
10 Radio Equipment



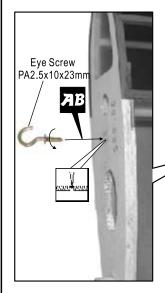
Receiver wrapped up in sponge

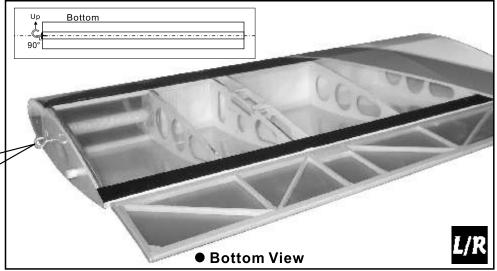


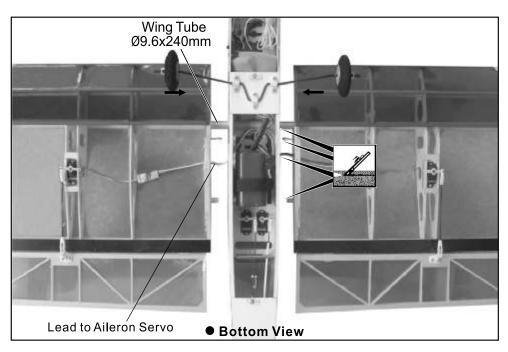




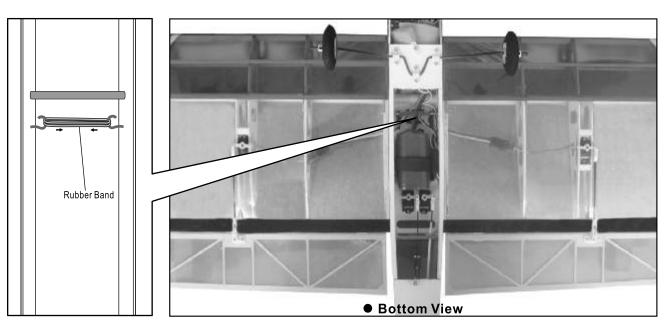
12 Main Wing







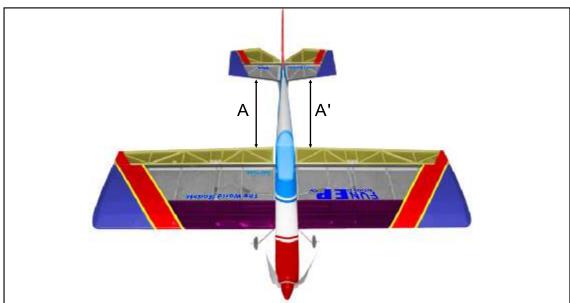
L/R

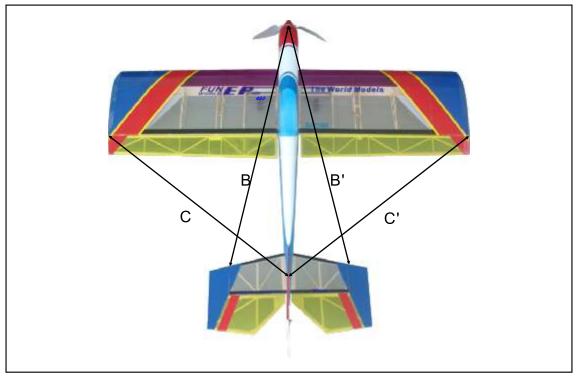


13 Wing Setting

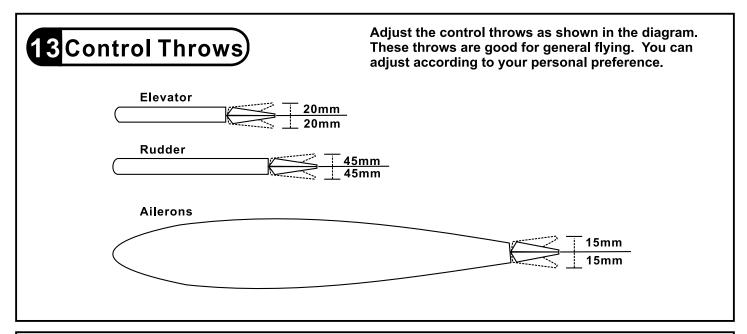
Adjust the wing fuselage configuration as shown in the diagrams.

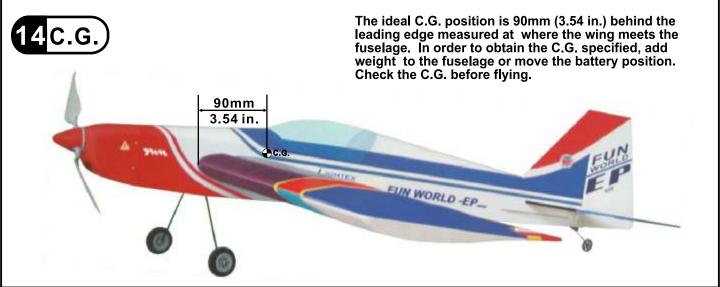






A=A' B=B' C=C'





Warning!

Important Safety Precautions

- # First time flyer should never fly by himself / herself. Assistance from experienced flyer is absolutely necessary.
- # Pre-flight adjustment must be done before flying, it is very dangerous to fly a badly pre-adjusted aircraft.
- # **FUN WORLD-EP**₄₀₀ is specially designed to be powered by KM0203800 Outrunner Motor.
- # Make sure the air field is spacious, never fly the plane too close to people and never get too close to a running propeller.
- # If you find wrinkles on the covering as a result of weather changes, you can use hot iron to remove the wrinkles. Please begin with lower temperature setting and gradually raise the temperature until the wrinkles are gone. Too hot an iron may damage the covering.
- # Check and re-tighten up all factory assembled screws, use thread locker if applicable.

E228B0610 P.10



The World Models



Warbirds

Pattern

Scale

Funfly

Sports

Electric

Trainer

Glider

Covering

Boat

(Lightex / Toughlon)

Accessories



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