Fun World EP

Speed 350W motor

Requires: 4-channel radio w/ 4 mini servos.

<table>
<thead>
<tr>
<th>Specifications</th>
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<tbody>
<tr>
<td>Wing Span</td>
<td>50.0 in/1270 mm</td>
</tr>
<tr>
<td>Wing Area</td>
<td>700 sq in/45.2 sq dm</td>
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<tr>
<td>Flying Weight</td>
<td>53 oz/1500 g</td>
</tr>
<tr>
<td>Fuselage Length</td>
<td>50.0 in/1270 mm</td>
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*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.
Fun World EP

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BEFORE YOU BEGIN

1 Read through the manual before you begin, so you will have an overall idea of what to do.

2 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.

3 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!
- Warning! Do not overlook this symbol!
- Pierce the shaded portion covering film.
Parts list

1. MAIN WING -- 1 pair
2. SCREW PM2x12mm -- 4 pcs
   CLEVIS -- 2 pcs
   STRAPER -- 2 pcs
   FUEL TUBE d2xD4x4mm -- 4 pcs
   HORN -- 2 sets
   PUSHROD Ø1.4x95mm w/ Threads (For Aileron) -- 2 pcs
3. STABILIZER & ELEVATOR -- 1 set
   FUSELAGE -- 1 pc.
4. VERTICAL FIN & RUDDER -- 1 set
   TAIL LANDING GEAR -- 1 set
   SCREW PA2.6x12mm -- 2 pcs
   TAIL WHEEL Ø23mm -- 1 pc.
   COLLAR Ø2.1mm w/ set screw -- 1 set
5. MAIN LANDING GEAR -- 1 set
   WHEEL Ø50mm -- 2 pcs
   SCREW PA2.6x10mm -- 6 pcs
   COLLAR Ø3.1mm w/ set screw -- 2 sets
   PLASTIC COLLAR Ø3.5mm -- 2 sets
   MOUNTING PLATE PL4114030 -- 3 pcs
6. SCREW PM2x12mm -- 2 pcs
   CLEVIS -- 1 pc.
   STRAPER -- 1 pc.
   HORN -- 1 set
   FUEL TUBE d2xD4x4mm -- 2 pcs
   PUSHROD Ø1.4x160mm w/ Threads (For Elevator) -- 1 pc.
7. SCREW PM2x12mm -- 2 pcs
   CLEVIS -- 1 pc.
   STRAPER -- 1 pc.
   HORN -- 1 set
   FUEL TUBE d2xD4x4mm -- 2 pcs
   PUSHROD Ø1.4x185mm w/ Threads (For Rudder) -- 1 pc.
8. PLYWOOD 3x55x80mm (A) -- 2 pcs
   PLYWOOD 3x60x94mm (B) -- 2 pcs
   SPINNER Ø45mm -- 1 pc.
9. EYE SCREW d2.5xD10mm -- 2 pcs
   WING TUBE Ø14.5x311mm -- 1 pc.
   RUBBER BAND 1x30mm -- 2 pcs
10. SCREW PWA2.3x8mm -- 2 pcs
    BATTERY TIE -- 2 pcs
    Balsa 2x60x153mm -- 1 pc.
    Balsa 2x60x92mm -- 1 pc.
    COVERING FILM 70x80mm -- 2 pcs
    DOUBLE-SIDED TAPE 30x35mm -- 1 pc.
11. CANOPY -- 1 pc.
    SCREW PWA2.3x8mm -- 4 pcs
    SILICON GROMMET d1.5xD6.5mm -- 4 pcs
    DOUBLE-SIDED TAPE 6x620mm -- 1 pc.
12. DECALS -- 1 set
    COVERING:--
    LIGHTTEX SGX 050 TRANSPARENT BLUE
    LIGHTTEX SGX 351 CADMIUM YELLOW
    LIGHTTEX SGX 312 BRIGHT RED
    LIGHTTEX SGX 100 WHITE
1. **Main Wing**

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

2. **Aileron Servo**

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

3. **Stabilizer**

   - 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.

   - Completed
4 Rudder & Tail Landing Gear

- Apply instant type CA glue to both sides of each hinge.
5 Main Landing Gear

- PA2.6x10mm Screw: 6
- 3.1mm Collar: 2
- 3.1mm Plastic Collar: 2

6 Elevator Pushrod

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

- Elevator Pushrod Ø1.4x160mm
- Straper
- Pushrod Ø1.4x160mm
- Clevis
- Fuel Tube D2xD4x4mm
- PM2 x 12mm Screw: 2
7 Rudder Pushrod

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

8 Typical Installation of Motor & Propeller

- Cut plywood as appropriate to house motor and glue in place.
- Recommended right thrust angle 2.5°, down thrust angle 2°.
9 Main Wing

Eye Screw d2.5xD10mm

L/R

Wing Tube Ø14.5x311mm

Rubber Band

Bottom View
10 Radio Equipment

- Battery and Speed Control are not supplied.
- Motor and propeller are not supplied.

Motor
Covering film 70x80mm

Plywood 2x60x92mm

Battery

Basla 2x60x153mm

Battery Tie

Double-Sided Tape

11 Canopy

Apply double-sided tape

PWA2.3x8mm

1mm

d1.5 x D6.5 mm Silicon Grommet

Completed
12 Wing Setting

- Adjust the wing and fuselage configuration as shown in the diagrams.
13 Control Throws

Adjust the control throws as shown in the diagram. These throws are good for general flying. You can adjust according to your personal preference.

14 C.G.

The ideal C.G. position is 100mm (3.9in.) behind the leading edge measured at where the wing meets the fuselage. In order to obtain the C.G. specified, add weight to the fuselage or move the battery position. Check the C.G. before flying.

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 is specially designed to be powered by 350W motor system.

# 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.
Product Registration Form (US Customers)

We would like to share with you any relevant information regarding your model, including product news and free upgrade parts when applicable. Please fill in the following and send to AirBorne Models, 4749-K, Bennett Drive, Livermore, CA 94551 USA.

1. Name:__________________________________________________________

2. Address:________________________________________________________________

3. Phone #:_____________________ E-mail: __________________________

4. Model:_________________________________________________________________________

Wing QC# _______ Fuselage QC# ______________________
(QC numbers are stamped on wing and fuselage)

5. Date of Purchase:____________________________________________________

6. Store Name:________________________________________________________

Please call AirBorne Models at 925 371 0922 for any assistance in filling this form. Thank you very much for purchasing our product.