Sky Link EP

Speed 400 motor
Requires: 4 - channel radio w/ 4 micro servos,
15A(8 cells) speed controller,
7 - 8 cells 1000 mAh battery & charger.

Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Wing Span</td>
<td>41 in / 1040 mm</td>
</tr>
<tr>
<td>Wing Area</td>
<td>264 sq in / 17 sq dm</td>
</tr>
<tr>
<td>Flying Weight</td>
<td>26 oz / 740 g</td>
</tr>
<tr>
<td>Fuselage Length</td>
<td>30 in / 760 mm</td>
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</tbody>
</table>

*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
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 :-

- **AB**: Apply epoxy glue.
- **L/R**: Assemble left and right sides the same way.
- **3mm**: Peel off shaded portion covering film.
- **Drill holes with the specified diameter (here: 3mm)**.
- **Pay close attention here!**
- **Pierce the shaded portion covering film.**
- **CA**: Apply instant glue (C.A glue, super glue.)
- **Ensure smooth non-binding movement while assembling.**
- **Cut off shaded portion.**
- **N.I.**: Must be purchased separately!
- **Warning!**: Do not overlook this symbol!
### Parts List

1. MAIN WING -- 1 pc.
2. SCREW PM2x12mm -- 4 pcs
   CLEVIS -- 2 pcs
   FUEL TUBE d2x4x4mm -- 4 pcs
   HORN -- 2 sets
   PUSHROD Ø1.4x60mm
   w/ Threads (For Aileron) -- 2 pcs
3. STABILIZER & ELEVATOR -- 1 set
   FUSELAGE -- 1 pc
   BALSA 3x16.6x44.5mm -- 1 pc
4. VERTICAL FIN & RUDDER -- 1 set
5. PUSHROD Ø1.4x300mm
   w/ Threads (For Elevator) -- 1 pc
   SCREW PM2x8mm -- 2 pcs
   CLEVIS -- 1 pc
   FUEL TUBE d2x4x4mm -- 1 pc
   HORN -- 1 set
6. PUSHROD Ø1.4x400mm
   w/ Threads (For Rudder) -- 1 pc
   SCREW PM2x8mm -- 2 pcs
   CLEVIS -- 1 pc
   FUEL TUBE d2x4x4mm -- 1 pc
   HORN -- 1 set
7. FRONT LANDING GEAR -- 1 set
   SCREW PA2x6mm -- 2 pcs
   SCREW PA2x3mm -- 4 pcs
   COLLAR Ø2.0mm w/ set screw -- 1 set
   LANDING WIRE STRAPS -- 2 pcs
   FRONT WHEEL Ø40mm -- 1 pc
   WHEEL PANTS -- 1 pc
   MOUNTING PLATE 5x15mm -- 1 pc
   PLASTIC COLLAR d3.5x6x3mm -- 1 pc
8A. PLYWOOD 41.6x70.2x3mm (F1A) -- 1 pc
   PLYWOOD 82.7x31.5x3mm (F1C) -- 1 pc
8. 400 GEARBOX -- 1 set
    SPEED 400 MOTOR -- 1 set
   FOLDING PROPELLER -- 1 set
   SPINNER Ø6mm -- 1 pc
   COWLIN -- 1 set
   SCREW PWA2x8mm -- 4 pcs
   M2 Nylon Insert Lock Nut -- 1 pc
   WASHER d2x6.5mm -- 1 pc
   SCREW PM2x10mm -- 1 pc
   BALSA 60x45x15.5mm -- 1 pc
   MOUNTING PLATE (PL4114015) -- 1 pc
   PLYWOOD 53x74.4x3mm (F1) -- 1 pc
   PLYWOOD 82.7x37.5x3mm (FB) -- 1 pc
9. SCREW PWA2x8mm -- 4 pcs
   WIND SHIELD & SIDE WINDOWS -- 1 set
10. FUEL TUBE d2x4x4mm -- 2 pcs
    BATTERY TIE -- 1 pc
    SPONGE 10x50x150mm -- 1 pc
    DOUBLE-SIDED TAPE -- 1 pc
    STRAPER -- 2 pcs
11. MAIN LANDING GEAR -- 1 set
    SCREW PWA2 3x10mm -- 6 pcs
    SCREW PA2x8mm -- 4 pcs
    COLLAR Ø2.0mm w/ set screw -- 2 sets
    LANDING WIRE STRAPS -- 3 pcs
    MAIN WHEEL Ø40mm -- 2 pcs
    WHEEL PANTS -- 1 pair
    MOUNTING PLATE 5x15mm -- 2 pcs
    PLASTIC COLLAR d3.5x6x3mm -- 2 pcs
12. NYLON BOLT M2.5x20mm -- 2 pcs
    NYLON WASHER d2.6x9mm -- 2 pcs
    WING PROTECTION 90x10x0.8mm -- 1 pc
13. SCREW PWA2x8mm -- 4 pcs
    MAIN WING STRUT -- 1 pair
14. DECALS -- 1 set

- COVERING:
  - LIGHTEX SGX 100 WHITE

P.2
1 Main Wing

- Bottom View

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

2 Aileron Servos

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

- Bottom View
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.

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

PM 2x8mm Screw

Pushrod Ø1.4x390mm

Bottom View

P.4
6 Rudder Pushrod

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

7 Front Landing Gear

- Bottom View

8A Brushless Motor / Cowling

- This step is for Direct Drive Brushless motor set up. Please follow step 8 for Geared Speed 400 motor set up.

- Attach to outer slots.

- Tighten the PM2 screw to hold the propeller blades in fully extended position. Folding blades are no good for this model.
8 Motor / Cowling

- This step is for Geared speed 400 motor set up. Please follow step 8A for Direct Drive Brushless motor set up.

TIGHTEN THE PM2 SCREW TO HOLD THE PROPELLER BLADES IN FULLY EXTENDED POSITION. FOLDING BLADES ARE NO GOOD FOR THIS MODEL.

- 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.
9 Canopy

PWA2 X 8mm Screw

4

L/R

PWA2 X 8mm

10 Radio Equipment

- Install and arrange the servo as shown in the diagram.
- Receiver wrapped up in sponge

Rudder Pushrod Ø1.4x400mm

Rudder Servo

Battery

Elevator Pushrod Ø1.4x390mm

Elevator Servo

Straper

Battery Tie

Fuel Tube Ø4x4mm
11 Tail Landing Gear

- PWA2.3x10mm Screw: 6
- PA2x6mm Screw: 4
- 2.6mm Collar: 2
- Plastic Collar: 2

Bottom View

12 Main Wing

- M2.5x20mm Nylon Bolt: 2
- d2.6xD9mm Nylon Washer: 2

Front View

13 Wing Struts

- PWA2x8mm Screw: 4

Bottom View
14 Wing Setting

- Adjust the wing and fuselage configuration as shown in the diagrams.
15 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.

Rudder

20mm

20mm

Elevator

10mm

10mm

Aileron

8mm

8mm

16 C.G.

The ideal C.G. position is 51mm (2 in.) 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.

# Sky Link EP is specially designed to be powered by speed 400 geared 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.
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 Air Borne Models, 2403, Research Drive, Livermore, CA 94550, U.S.A.

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