Sky Link EP

Requires: 4-channel radio w/ 4 micro servos, Outrrunner Motor KM0283011 w/ Propeller Adaptor HW2340100 20A brushless ESC, 3 cells 11.1V 2100 mAh Li - Po battery & charger.

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Value</th>
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<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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</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.
Sky Link 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 thread locker
- Assemble left and right sides the same way.
- Peel off shaded portion covering film.
- Drill holes with the specified diameter (here: 3mm).
- Pay close attention here!
- Warning! Do not overlook this symbol!

- Apply instant glue (C.A.glue, super glue.)
- Ensure smooth non-binding movement while assembling.
- Cut off shaded portion.
- Must be purchased separately!
- Pierce the shaded portion covering film.

E261BPO27181202  P.1
### Parts List

1. **MAIN WING** -- 1 pc.

2. SCREW PBx14mm -- 4 pcs
   - SERVO MOUNTING PANEL PL5310020 -- 1 pair
   - PUSHROD Ø1.4x65mm w/ Threads (For Aileron) -- 2 pcs
   - STRAPER PL4112106 -- 2 pcs
   - FUEL TUBE d2xD4x4mm -- 4 pcs
   - CLEVIS PL4112105 -- 2 pcs
   - HORN PL4113102 -- 2 sets
   - SCREW PA1.7x8mm -- 1 pc.

3. **STABILIZER & ELEVATOR** -- 1 set
   - FUSELAGE -- 1 pc.

4. **VERTICAL FIN & RUDDER** -- 1 set

5. PUSHROD Ø1.4x316mm w/ Threads (For Elevator) -- 2 pcs
   - SCREW PBx8mm -- 4 pcs
   - CLEVIS PL4112105 -- 2 pcs
   - FUEL TUBE d2xD4x4mm -- 2 pcs
   - HORN PL4113102 -- 2 sets

6. PUSHROD Ø1.4x371mm w/ Threads (For Rudder) -- 1 pc.
   - SCREW PBx8mm -- 2 pcs
   - CLEVIS PL4112105 -- 1 pc.
   - FUEL TUBE d2xD4x4mm -- 1 pc.
   - HORN PL4113102 -- 1 set

7. **FRONT LANDING GEAR** -- 1 set
   - NOSE WHEEL STEERING PUSHROD Ø1.2x197mm -- 1 PC.
   - STEERING ARM PL4112215 -- 1 pc.
   - ALLEN WRENCH 1.3mm -- 1 pc.
   - SCREW PAx6mm -- 2 pcs
   - COLLAR Ø2.6mm w/ set screw -- 2 set
   - WHEEL PANTS -- 1 pc.
   - MOUNTING PLATE (PL4114015) -- 1 pc.
   - PLASTIC COLLAR d3.5xD8x3mm -- 1 pc.
   - FRONT WHEEL Ø40mm -- 1 pc.

8. SCREW PMAx6mm -- 4 pcs
   - WASHER d3xD7mm -- 4 pcs
   - FOLDING PROPELLER SET PL6315031 -- 1 set

9. SCREW PWAx8mm -- 4 pcs
   - WIND SHIELD & SIDE WINDOWS 1 set

10. SCREW PMx10mm -- 1 pc.
    - BALSA 1.5x55x60mm -- 1 pc.
    - M2 NYLON INSERT LOCK NUT -- 1 pc.
    - MOUNTING PLATE (PL4114015) -- 1 pc.
    - WASHER d2xD5mm -- 1 pc.
    - DOUBLE-SIDED TAPE 30x35mm -- 1 pc.
    - PUSHROD Ø1.4x46mm -- 1 pc.
    - BATTERY TIE 200mm -- 1 pc.
    - SPONGE 10x50x150mm -- 2 pcs
    - STRAPER d2xD4x4mm -- 3 pcs
    - PUSHROD CONNECTOR 3.2x7.2x16mm -- 1 set

11. **MAIN LANDING GEAR** -- 1 set
    - SCREW PWA2.3x12mm -- 6 pcs
    - SCREW PAx6mm -- 4 pcs
    - WHEEL PANTS -- 1 pair
    - MAIN WHEEL Ø40mm -- 2 pcs
    - LANDING WIRE STRAPS (PL4114030) -- 3 pcs
    - MOUNTING PLATE (PL4114015) -- 2 pcs
    - COLLAR Ø2.6mm w/ set screw -- 2 pcs
    - PLASTIC COLLAR d3.5xD8x3mm -- 2 pcs

12. **RUDDER** -- 1 set
    - PLASTIC PLATE 0.8x10x90mm -- 1 pc.
    - NYLON BOLT M2.5x20mm -- 2 pcs
    - NYLON WASHER D2.6x9mm -- 2 pcs

13. SCREW PWAx8mm -- 2 pcs
    - MAIN WING STRUT -- 1 pair

14. **DECALS:**
    - LIGHTEX SGX 100 WHITE

**COVERING:**
- E261BDEC -- 1 set
1 Main Wing

- 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.

- Please choose either 02L & 02R or 03L & 03R or 04L & 04R that suits your servo.
3 Stabilizer & Elevator

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

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

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.

PB2x8mm Screw

Fuel Tube d2xD4x4mm

Pushrod Ø1.4x316mm

Clevis

Horn

PB 2x8mm

≈11mm

≈90mm

L/R

Bottom View
**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.

![Diagram of Rudder Pushrod with dimensions and components]

**7 Front Landing Gear**

- PA2x6mm Screw 2
- 2.6mm Collar 2
- Plastic Collar 1

![Diagram of Front Landing Gear with components and dimensions]

**Front View**

- Steering Arm
- 3mm Set Screw
- Lading Wire Straps
- PWA2.3x12mm
- 2.6mm Collar
- 3mm Set Screw

**Bottom View**

- Nose Wheel Steering Pushrod Ø1.2x197mm
- Mounting Plate
- PA2x6mm
- 2.6mm Collar
- Wheel Ø40mm
- Plastic Collar
- 3mm Set Screw
8 Outrunner Motor / Cowling

- **PM2x12mm Screw**
- **PM3x6mm Screw**
- **d3xD7mm Washer**
- **PWA2x8mm Screw**
- **PA2x6mm Screw**

- Don’t over-tighten the PM3 screw, too much stress on the screws could split the firewall.

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

9 Canopy

- **PWA2x8mm Screw**

- Don’t over-tighten the PM2 screws, too much stress on the screws could split the firewall.

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

- Install and arrange the servo as shown in the diagram.

![Diagram of Radio Equipment]

- Receiver wrapped up in sponge.

- Battery Tie

- Double Sided-Tape

- 20A Brushless ESC

- Mounting Plate

- PM2x10mm Washer

- M2 Nylon Insert Lock Nut

- Bottom View

11 Main Landing Gear

- Front

- L/R

- PWA2.3x12mm Screw

- PA2x6mm Screw

- 2.6mm Collar

- Plastic Collar

- Bottom View

- Wheel Ø40mm

- 2.6mm Collar

- 3mm Set Screw

- Plastic Collar
14 Wing Setting

- Adjust the wing and fuselage configuration as shown in the diagrams.
Adjust the control throws as shown in the diagram. These throws are good for general flying. You can adjust according to your personal preference.

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 **KM0283011 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. Extreme caution should be exercised when working with electric powered models. Make sure the propeller is cleared of all objects, especially your hands before connecting the battery to the model. Make sure you understand the operation of the ESC (Electronic Speed Control) by studying the ESC manual. Once you plug in the battery for electric powered model, always treat the propeller as a rotating one, as accidental movement of the throttle stick will spin the propeller and could cause injuries.

# 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 necessary.

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.
Ducted Fan Pattern

Warbirds Funfly

Scale Electric

Sports Glider

Trainer Boat

Accessories

Covering (Lightex / Toughlon)

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