Sky Walker EP

Speed 400 motor

Requires: 3-channel radio w/ 2 micro servos
15A speed controller and 7-8 cells 1000 mAh battery

<table>
<thead>
<tr>
<th>Specifications</th>
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<tbody>
<tr>
<td>Wing Span</td>
<td>63.0 in / 1600 mm</td>
</tr>
<tr>
<td>Wing Area</td>
<td>420 sq in / 27 sq dm</td>
</tr>
<tr>
<td>Flying Weight</td>
<td>21 oz / 600 g</td>
</tr>
<tr>
<td>Fuselage Length</td>
<td>32.5 in / 830 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.
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.
- **CA**: Apply instant glue (C.A.glue, super glue.)
- **L/R**: 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!**
- **Exclamation mark**: Pay close attention here!
- **Warning!**: Do not overlook this symbol!
- **Pierce the shaded portion covering film.**
## Parts list

1. MAIN WING -- 1 pair.
   WING JOINER Ø4.5 x 160 mm -- 1 pc.

2. FUSELAGE -- 1 pc.
   STABILIZER & ELEVATOR -- 1 set

3. VERTICAL FIN & RUDDER -- 1 set

4. PUSHROD Ø1.4X500 mm
   w/ Threads(For Elevator) -- 1 pc.
   SCREW PM2X8 mm -- 2 pcs
   HORN -- 1 set
   CLEVIS -- 1 pc.
   FUEL TUBE d2XD4X4 mm -- 1 pc.

5. PUSHROD Ø1.4 x 445 mm
   w/ Threads(For Rudder) -- 1 pc.
   SCREW PM2X10 mm -- 2 pcs
   HORN -- 1 set
   CLEVIS -- 1 pc.
   FUEL TUBE d2XD4X4 mm -- 1 pc.

6. SPEED 400 MOTOR -- 1 set
   GEARBOX -- 1 set
   FOLDING RROPELLER SET (10X6) -- 1 set
   COWLING -- 1 pc.
   SCREW PWA2X8 mm -- 4 pcs
   SPINNER Ø36 mm -- 1 set

7. SPONGE 10X50X150 mm -- 1 pc.
   STRAPER -- 2 pcs
   FUEL TUBE d2XD4X4 mm -- 2 pcs
   DOUBLE-SIDED TAPE 30X35 mm -- 1 pc.
   BATTERY TIE -- 1 pc.

8. PVC PLATE 0.8X20X42 mm (Wing Protection) -- 1 pc.
   SCREW PM2. 5X16 mm -- 2 pcs
   WASHER d2. 5XD8 mm -- 2 pcs

9. CANOPY -- 1 set

10. DECALS -- 1 set

- COVERING:
  YELLOW COLOR SCHEME:
  - LIGHTEX SGX 000 TRANSPARENT
  - LIGHTEX SGX 030 TRANSPARENT YELLOW
  - LIGHTEX SGX 330 CADMIUM YELLOW
  - LIGHTEX SGX 100 WHITE
  - LIGHTEX SGX 201 BLACK
  - LIGHTEX SGX 312 BRIGHT RED

- BLUE COLOR SCHEME:
  - LIGHTEX SGX 000 TRANSPARENT
  - LIGHTEX SGX 050 TRANSPARENT BLUE
  - LIGHTEX SGX 251 SKY BLUE
  - LIGHTEX SGX 100 WHITE
  - LIGHTEX SGX 201 BLACK
  - LIGHTEX SGX 350 CORSAIR BLUE
1 Main Wing

Wing Joiner Ø4.5 x 160mm

Completed

2 Stabilizer & Elevator

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

- Bottom View

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

*Also refer to step 10 Wing Setting

Completed
3. Vertical Fin / Rudder

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

- Peel off shaded portion covering film.

Completed
4 Elevator Pushrod

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

5 Rudder Pushrod

- Ø1mm pilot holes for World Models tri-horn are pre-drilled. Please look for pin-hole marks at side of control surfaces.
6 Motor / Cowling Setting

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.

1. M2.6x7mm Sock Head Screw
2. PM2 x 12mm Screw
3. PW A2 x 8mm Screw
4. PA2.6 x 8mm Screw
5. M2 Nut
6. d2 x D5mm Washer
7. 3mm Set Screw

PM2 x 12mm
M2 NUT
Washer d2 x D5mm

PM2 x 12mm
PM2 x 12mm

Ø1.2x35mm
3mm Set Screw

PA2.6 x 8mm
PWA2 x 8mm

1mm

Spinner
7 Radio Equipment

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

- Elevator Pushrod
- Elevator Servo
- Battery Tie
- Speed 400 Motor
- Rudder Pushrod
- Rudder Servo
- 15A Speed Controller

8 Main Wing

- PM2.5 x 16mm Screw: 2
- d2.5 x D8mm Washer: 2
- d2.5 x D8mm
- PM2.5 x 16mm
- Wing Protection: 0.8 x 25 x 61mm
- Peel off shaded portion covering film.

9 Canopy

- Completed
10 Wing Setting

- Adjust the wing and fuselage configuration as shown in the diagrams.
11 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 25mm 25mm
- Elevator 10mm 10mm

12 C.G.

The ideal C.G. position is 53mm (2.1 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.

- Sky Walker EP is specially designed to be powered by speed 400 geared motor.

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 Walker 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 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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