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.

*Specifications are subject to change without notice.*

Requires: 3-channel radio w/ 2 micro servos, Outrunner Motor KM0283010 w/ Propeller Adaptor HW2340100 15A Brushless ESC, 2 cells 7.4V 1000 mAh Li-Po battery & charger.
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.)
   - **N.I.**: Must be purchased separately!
   - **L/R**: Assemble left and right sides the same way.
   - **":** Ensure smooth non-binding movement while assembling.
   - **":** Cut off shaded portion.
   - **":** Pierce the shaded portion covering film.
   - **":** Pay close attention here!
   - **":** Warning! Do not overlook this symbol!
Parts list

1. MAIN WING -- 1 pair.
   WING JOINER Ø4.5 x 161 mm -- 1 pc.
2. FUSELAGE -- 1 pc.
   STABILIZER & ELEVATOR -- 1 set
3. VERTICAL FIN & RUDDER -- 1 set
4. PUSHROD Ø1.4X486 mm
   w/ Threads(For Elevator) – 1 pc.
   SCREW PB2X8 mm -- 2 pcs
   HORN PL4113102 -- 1 set
   CLEVIS PL4112105 -- 1 pc.
   FUEL TUBE d2XD4X4 mm -- 1 pc.
5. PUSHROD Ø1.4 x 432 mm
   w/ Threads(For Rudder) -- 1 pc.
   SCREW PB2X10 mm -- 2 pcs
   HORN PL4113102 -- 1 set
   CLEVIS PL4113102 -- 1 pc.
   FUEL TUBE d2XD4X4 mm -- 1 pc.
6. SOCKET HEAD SCREW M3x6mm -- 4 pcs
   WASHER d3xD7mm -- 4 pcs
   FOLDING RPOPELLER SET (10X6)PL6314020 -- 1 set
   COWLING -- 1 pc.
   SCREW PWA2X8 mm -- 4pcs
   SPINNER Ø36 mm -- 1 set
7. SPONGE 10X50X150 mm -- 2 pc.
   STRAPER PL4112106 -- 2 pcs
   FUEL TUBE d2XD4X4 mm -- 2 pcs
   DOUBLE-SIDED TAPE 30X35 mm -- 1 pc.
   BATTERY TIE 200mm -- 1 pc.
8. PVC PLATE 0. 8X20X42 mm (Wing Protection) -- 1 pc.
   SCREW PM2. 5X16 mm -- 2 pcs
   WASHER d2. 6XD9 mm -- 2 pcs
9. CANOPY -- 1 set
10. DECALS : E182NXMDEC -- 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 161mm

Completed

2 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.

*Also refer to step 10 Wing Setting

Completed
### 3. Vertical Fin / Rudder

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

![Diagram of a plane with hinge details]

**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.

![Elevator Pushrod Diagram]

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.

![Rudder Pushrod Diagram]
Motor / Cowling Setting

Optional Parts

- M3x6mm Sock Head Screw (4)
- PM2x12mm Screw (4)
- PWA2x8mm Screw (4)
- PA2.6x8mm Screw (2)
- d3xD7mm Washer (4)

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

Don't over-tighten the PM2 screws, let the propeller blades align themselves when spinning.

1. Propeller Adaptor (d3xD5) HW2340100

2. Outrunner Motor 28/30 KM0283010

3.

4.

5. PM2x12mm

6. M5 Nut

7. Spinner

8. PA2.6x8mm

9. PM2x12mm

10. M3x6mm Socket Head Screw

11. d3xD7mm Washer

12. TWM KP0011310

13. Solder

14. TWM HW3111400

15. PROPELLER ADAPTOR WRENCH

16. Optional Parts

E182NXMPO25961107 P.6
7 Radio Equipment

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

8 Main Wing

- Bottom View
- Peel off shaded portion covering film.

9 Canopy

- Completed
10 Wing Setting

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

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

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 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.

![C.G. Position](image)

### Important Safety Precautions

**Warning!**

- 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 **KM0283010 Outrunner Motor** with 2-cell 7.4V Li-Po battery operation. Using more powerful system will push the model to higher speed which will damage the wing structure and airframe, and will not be covered by manufacturer’s warranty.

- 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.

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### 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.
Optional Parts

(ACCESSORIES)

3 - Pin EZ Connector

<table>
<thead>
<tr>
<th>Code No.</th>
<th>Size</th>
<th>Package</th>
</tr>
</thead>
<tbody>
<tr>
<td>KP0011310</td>
<td>40A Max. Current</td>
<td>1 set</td>
</tr>
</tbody>
</table>

-ideal for electric models

2 - Pin EZ Connector

<table>
<thead>
<tr>
<th>Code No.</th>
<th>Size</th>
<th>Package</th>
</tr>
</thead>
<tbody>
<tr>
<td>KP0011210</td>
<td>40A Max. Current</td>
<td>1 set</td>
</tr>
</tbody>
</table>

-ideal for electric models

Clevis Wrench

<table>
<thead>
<tr>
<th>Code No.</th>
<th>Size</th>
<th>Package</th>
</tr>
</thead>
<tbody>
<tr>
<td>PI8210010</td>
<td></td>
<td>1 set</td>
</tr>
</tbody>
</table>

Special tool for clevis installation. Suitable for standard and small (EP) clevis.

Propeller Adaptor

<table>
<thead>
<tr>
<th>Code No.</th>
<th>Size</th>
<th>Package</th>
</tr>
</thead>
<tbody>
<tr>
<td>HW2340100</td>
<td>d3xD5</td>
<td>1 set</td>
</tr>
</tbody>
</table>

Outrunner 28/30

<table>
<thead>
<tr>
<th>Code No.</th>
<th>Package</th>
</tr>
</thead>
<tbody>
<tr>
<td>KM0283010</td>
<td>1 pc</td>
</tr>
</tbody>
</table>

-Max speed: 12000 rpm
-Kv (rpm/V): 1015
-Operating Power: 180W
-Operating Voltage: 6-12V
-Operating Current: 15A
-Peak Current: 20A (max 15 sec.)
-Internal Resistance: 95 m ohms
-Diameter: 28mm
-Length: 30mm
-Weight: 60g
-Shaft Diameter: 3mm
-Shaft Length: 14.8 mm
-Mounting Screw: M3
-Distance of Mounting Holes: Front (16mm and 19mm)

Brushless ESC

<table>
<thead>
<tr>
<th>Code No.</th>
<th>Size</th>
<th>Package</th>
</tr>
</thead>
<tbody>
<tr>
<td>KC2025A02A</td>
<td>24x45x11mm</td>
<td>1 pc</td>
</tr>
</tbody>
</table>

- Voltage Range: 5.6 ~ 16.8V
- Current: 25A continuous
- Current (Burst, >10 seconds): 35A
- Weight: 24 g
  (with wires and connector)
- BEC: 5V / 2A
- Low Voltage Cut-off: /
- Light weight with low internal resistance
  for high current operation
- BEC function for Li-Ion / Li-poly
- 2 – 4 cells; Nimh / Nicd 5 – 12 cells operation.
- Low battery voltage auto cut off to reserve power to the servos.
- Safe start up motor.
Ducted Fan

Pattern

Warbirds

Funfly

Scale

Electric

Sports

Glider

Trainer

Boat

Accessories

Covering
(Lightex /oughlon)