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.

Requires: 4-channel “mixing” radio (elevator and aileron) w/ 3 micro servos, Ducted Fan Propulsion Unit PL6800010, Ducted Fan Booster Cone PL6800011 and Outrunner Motor KM0283110 30A (burst 35A) brushless ESC, 3 cells 11.1V 15C discharge 2100 mAh Li-Po battery & charger.

Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wing Span</td>
<td>34.5 in / 880 mm</td>
</tr>
<tr>
<td>Wing Area</td>
<td>384 sq in / 24.8 sq dm</td>
</tr>
<tr>
<td>Flying Weight</td>
<td>28 oz / 790 g</td>
</tr>
<tr>
<td>Fuselage Length</td>
<td>32.5 in / 825 mm</td>
</tr>
</tbody>
</table>

*Specifications are subject to change without notice.*
Delta Jet EP

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PARTS LIST .................................................................................. P. 2
ASSEMBLY .................................................................................. P. 3-P. 9
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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.)
- Apply thread locker
- Must be purchased separately!
- 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).
- Pierce the shaded portion covering film.
- Pay close attention here!
- Warning! Do not overlook this symbol!
Parts List

1. MAIN WING – 1 pair

2. SERVO MOUNTING PANEL – 1 pair
   PUSHROD Ø1.4x96mm w/ Threads (For Aileron) – 2 pcs
   STRAPER – 2 pcs
   FUEL TUBE d2xD4x4mm – 4 pcs
   CLEVIS – 2 pcs
   HORN – 2 sets
   SCREW PB2x12mm – 4 pcs
   SCREW PA1.7x8mm – 8 pcs

3. WING TUBE D9.6x282mm – 1 pc.
   PVC PLATE 0.5mm – 1 pc.
   PLYWOOD 3x95x106mm – 1 pc.
   BALSA 2x14.6x15.2mm – 2 pcs
   BALSA 2x11.6x14.7mm – 2 pcs

4. SCREW PM3x12mm – 4 pcs
   WASHER d3xD7mm – 4 pcs
   M3 NUT – 4 pcs

5. VERTICAL FIN & RUDDER – 1 set
   FUSELAGE – 1 pc.
   INTERCOOLER AIR EXIT – 2 pcs

6. MAIN LANDING GEAR – 1 pair
   MOUNTING PLATE 12x27mm (PL4114030) – 4 pcs
   MAIN WHEEL Ø40mm – 2 pcs
   COLLAR Ø2.6mm w/ set screw – 4 sets
   SCREW PA2.3x8mm – 8 pcs

7. NOSE GEAR – 1 set
   PLASTIC COLLAR d1.1xD5x2mm – 2 pcs
   FRONT WHEEL Ø23mm – 1 pc.
   SCREW PA2x8mm – 2 pcs

8. PUSHROD Ø1.2x444mm w/ Threads (For Rudder) – 1 pc.
   HORN – 1 set
   CLEVIS – 1 pc.
   FUEL TUBE d2xD4x4mm – 1 pc.
   SCREW PB2x8mm – 2 pcs

9. BELLY PAN – 1 pc.
   SCREW PM3x45mm – 2 pcs
   WASHER d3xD7mm – 2 pcs

10. PUSHROD Ø0.8x104mm (For Front Landing Gear) – 1 pc.
    PLASTIC TUBE d2xD3x54mm – 1 pc.
    STRAPER – 1 pc.
    FUEL TUBE d2xD4x4mm – 1 pc.
    BATTERY TIE 200mm – 1 pc.
    SPONGE 10x50x150mm – 1 pc.
    DOUBLE-SIDED TAPE 30x35mm – 1 pc.
    ALUMINUM PLATE 1mm – 1 pair
    SCREW PM2x8mm – 2 pcs
    SCREW PM2x10mm – 1 pc.
    M2 NUT – 3 pcs
    WASHER d2xD5mm – 6 pcs

11. COCKPIT – 1 pc.
    BATTERY COVER – 1 pc.
    SCREW PWA2x8mm – 2 pcs

12. DECALS E288XMDEC – 1 pc.

COVERING:
- LIGHTEX SGX 100 WHITE
- LIGHTEX SGX 250 BLUE
- LIGHTEX SGX 310 RED
- LIGHTEX SGX 320 ORANGE
1 Main Wing

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

L/R

2 Aileron Servo

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

L/R

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

Wing Tube d8xD9.6x282mm

Wing Tube Center Line

Plywood 3x95x106mm

Top

Bottom

Balsa 2x14.6x15.2mm

Balsa 2x11.6x14.7mm

Completed
### 4 Ducted Fan Propulsion Unit with 28/31 Motor

<table>
<thead>
<tr>
<th>Part</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>PM3x12mm Screw</td>
<td>4</td>
</tr>
<tr>
<td>d3xD7mm Washer</td>
<td>4</td>
</tr>
<tr>
<td>M3 Nut</td>
<td>4</td>
</tr>
</tbody>
</table>

**N.I. Optional Parts**

- PL6800010
- Outrunner Motor 28 / 31 KM02831110
- PL6800011

⚠️ Make sure rotating motor casing is not in contact with wiring or anything.

![Diagram](image.png)

Make sure TWM logo on ducted fan stay on left side of fuselage.

- Solder
- PM3x12mm
- M3 Nut
- Center Line

**N.I. TWM KP0011310**
5 Vertical Fin & Rudder

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

![Diagram of vertical fin and rudder with hinge and collar illustrations.]

6 Main Landing Gear

- Ø1mm pilot hole is pre-drilled. Please look for pin-hole marks at under side of wing.

![Diagram of main landing gear with screws and mounting plate illustrations.]

PA2.3x8mm Screw 8
2.6mm Collar 4

2.6mm Collar
3mm Set Screw
7 Front Landing Gear

- **PA2x8mm Screw**

- **PB2x8mm Screw**

- **Screw**

- **Clevis**

- **Horn**

- **Fuel Tube**

- **Plastic Collar**

- **PA2x8mm**

- **Bottom View**

- **Completed**

- **Ø1mm pilot hole is pre-drilled. Please look for pin-hole marks at under side of fuselage.**

8 Rudder Pushrod

- **PB2x8mm Screw**

- **Screw**

- **Clevis**

- **Horn**

- **Fuel Tube**

- **Pushrod**

- **Plastic Collar**

- **PA2x8mm**

- **Bottom View**

- **Completed**

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

9 Main Wing

- **PM3x45mm Screw**

- **PM3x45mm**

- **d3xD7mm Washer**

- **Belly Pan**

- **Bottom View**

- **Completed**

- **Ø1mm pilot hole is pre-drilled. Please look for pin-hole marks at under side of fuselage.**
### 10 Radio Equipment

- **PM2x8mm Screw**: 2
- **PM2x10mm Screw**: 1
- **M2 Nut**: 3
- **d2xD5mm Washer**: 6

![Diagram of radio equipment installation](image)

- Install and arrange the equipment as shown in the diagrams.

### 11 Cockpit & Battery Cover

- **PWA2x8mm Screw**: 2

![Diagram of cockpit and battery cover installation](image)

- Completed
12 Wing Setting

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

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

![Diagram of Rudder and Ailerons with measurements](image)

14 C.G.

- The ideal C.G. position is 220mm (8.65 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.

![Diagram of Delta Jet EP with C.G. marker](image)

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**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.

- *Delta Jet EP* is designed for high speed flying. Too low an air speed during take off or landing may cause tip stall. Point the Delta Jet EP towards the wind, use full throttle and let the Delta Jet EP gain enough ground speed before pulling the elevator gently for take off. For landing, approach against the wind, maintain power to the ducted fan to keep enough air speed before touch down.

- 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. Don't use hot iron near the seams or edges, hot iron will melt the glue and shrink the covering at the same time, causing the seams to pull away.

- 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, 2403 Research Drive, Livermore, CA 94550 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)