**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 engine 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

<table>
<thead>
<tr>
<th>Specification</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wing Span</td>
<td>134.0 in / 3400 mm</td>
</tr>
<tr>
<td>Wing Area</td>
<td>1175 sq in / 75.5 sq dm</td>
</tr>
<tr>
<td>Flying Weight</td>
<td>7.5 lb / 3400 g</td>
</tr>
<tr>
<td>Fuselage Length</td>
<td>54.0 in / 1370 mm</td>
</tr>
</tbody>
</table>

*Specifications are subject to change without notice.*
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. **DECALS: G106 DEC** -- 1 set
   - MAIN WING -- 1 pair
   - FUSELAGE -- 1 pc.
   - RUDDER -- 1 pc.

2. **MAIN WING** -- 1 set

3. **SERVO MOUNTING PANEL (For Aileron)** 60x64x2mm -- 1 pair
   - SERVO MOUNTING PANEL (For Spoiler) 58x64x2mm -- 2 pcs
   - BALSA 18x18x80mm (For Servo Mounting Panel) -- 8 pcs
   - SCREW PWA2x8mm -- 16 pcs
   - SCREW PB2x20mm -- 4 pcs
   - HORN PL4113101 -- 2 sets
   - PUSHROD Ø1.8x80mm w/ Threads (For Aileron) -- 2 pcs
   - PUSHROD Ø1.8x56mm (For Spoiler) -- 2 pcs
   - STRAPER PL4112102 -- 4 pcs
   - CLEVIS PL4112103 -- 2 pcs
   - FUEL TUBE D6x5mm -- 6 pcs
   - LINKAGE CONNECTOR Ø2.1xD6mm w/ set screw -- 2 set
   - ALUMINIUM PLATE -- 2 pcs

4. **WING JOINER(B)** 8x13x244mm -- 2 PCS

5. **STABILIZER & ELEVATOR** -- 1 set
   - SOCKET HEAD SCREW M3x35mm -- 2 pcs
   - WASHER d3xD12mm -- 2 pcs

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

7. **PUSHROD Ø1.8x1030mm w/ Threads (For Rudder)** -- 1 pc.
   - ROD M2x48mm -- 2 pcs
   - M2 NUT -- 4 pcs
   - CLEVIS PL4112103 -- 1 pc.
   - HORN PL4113101 -- 1 set
   - FUEL TUBE D6x5mm -- 1 pc.

8. **PUSHROD Ø1.8x1010mm w/ Threads (For Elevator)** -- 1 pc.
   - SCREW PB2x25mm -- 2 pcs
   - CLEVIS PL4112103 -- 1 pc.
   - HORN PL4113101 -- 1 set
   - FUEL TUBE D6x5mm -- 1 pc.

9. **SCREW HM4x52mm** -- 1 pc.
   - WHEEL Ø70mm -- 1 pc.
   - M4 NYLON INSERT LOCK NUT -- 1 pc.
   - COLLAR Ø4.1mm w/ Set Screw -- 2 set
   - COPPER TUBE d4xD5x6.5mm -- 2 pcs
   - WASHER d4xD9mm -- 2 pcs

10. **BATTERY MAT 2x50x150mm** -- 2 pcs
    - BATTERY TIE 250mm -- 1 pc.
    - PLYWOOD 3x80x80mm -- 1 pc.
    - AEROTOW RELEASE PUSHROD Ø2x215mm -- 1 pc.
    - STRAPER PL4112102 -- 1 pc.
    - FUEL TUBE D6x5mm -- 1 pc.
    - LINKAGE CONNECTOR Ø2.1xD5mm w/ set screw -- 2 set

11. **CANOPY** -- 1 pc.
    - PILOT 063A -- 1 PC.
    - SCREW PWA2.3x8mm -- 4 pcs
    - SILICON GROMMETS PL1265035 d1.5xD6.5mm -- 4 pcs

12. **COVERING:**
    - TOUGHLON STL 311 FERRARI RED
    - TOUGHLON STL 100 WHITE
    - TOUGHLON STL 331 CUB YELLOW
    - TOUGHLON STL 351 DARK BLUE

G106PO31211604  P.2
1. Cut out decal sheet, peel off backing sheet and apply on fuselage and wings.

Main wings

Fuselage

Rudder
2 Main Wing

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

3 Aileron & Spoiler Servos

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

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

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

5 Stabilizer & Elevator

- M3x35mm Socket Head Screw: 2
- d3xD12mm Washer: 2

- A = A’ (Stabilizer)
- B = B’ (Main Wing)

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

Completed
6 Vertical Fin & Rudder

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

7 Rudder Pushrod

- M2x48mm Rod 2
- M2 Nut 4

Clevis Horn Rod M2x48mm

8 Elevator Pushrod

- PB2x25mm Screw 2

Clevis Horn PB2x25mm
9 Wheel

<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HM4x52mm Screw</td>
<td>1</td>
<td>M4 Nylon Insert Lock Nut</td>
</tr>
<tr>
<td>4.1mm Collar</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>d4xD9mm Washer</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

10 Radio Equipment

- Aerotow Release Pushrod Ø2x215mm
- Aerotow Servo
- Elevator Servo
- Elevator Pushrod Ø1.8x1010mm
- Throttle Pushrod 3x1mm
- Washer 2mm
- Whee 70mm
- Copper Tube
- M4 Nylon Insert Lock Nut
- 3mm Set Screw
- 4.1mm Collar
- 3mm Set Screw
- Washer d4xD9mm
- 4.1mm Collar
- M4 Nylon Insert Lock Nut
- 3mm Set Screw
- Copper Tube
- HM4x52 mm
11 Main Wings

- Lead to Aileron Servo & Spoiler Servo
- 6mm Set Screw
- Wing Tube

12 Canopy

- PWA2.3x8mm Screw 4
- d1.5xD6.5mm Silicon Grommet 4

- Silicon Grommet d1.5xD6.5mm
- PWA2.3x8mm

Completed
Adjust the wing and fuselage configuration as shown in the diagrams.
14 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.

- Elevator
  - 27mm
  - 27mm

- Rudder
  - 60mm
  - 60mm

- Ailerons
  - 14mm
  - 14mm

15 C.G.

- The ideal C.G. position is 115mm (4.53 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.

# 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. 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.
After fastening the round nut, make sure that the linkage connector can rotate freely.

Drill 2mm hole at servo horn.

Insert linkage connector into servo horn.

Make sure shoulder of screw is cleared from servo horn. Add washer to reduce play if necessary.

Tighten up the round nut against the shoulder. Apply CA or permanent thread locker.

After fastening the round nut, make sure that the linkage connector can rotate freely.
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

<table>
<thead>
<tr>
<th>Code No.</th>
<th>Size</th>
<th>Package</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>180mm Extension</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>KP0041300</td>
<td>180mm</td>
<td>1 set</td>
</tr>
<tr>
<td><strong>180mm Y-Cord</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>KW0021800</td>
<td>180mm</td>
<td>1 pc</td>
</tr>
<tr>
<td><strong>Wind sock</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AT3001052</td>
<td>D260x900mm</td>
<td>1 pc</td>
</tr>
<tr>
<td><strong>Clevis Wrench</strong></td>
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<td></td>
</tr>
<tr>
<td>PL8210010</td>
<td>1 set</td>
<td></td>
</tr>
<tr>
<td><strong>Charge Receptacles</strong></td>
<td></td>
<td></td>
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<tr>
<td>KP 0041300</td>
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<tr>
<td><strong>Field Stand</strong></td>
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<td></td>
</tr>
<tr>
<td>MS9111430</td>
<td>600 x 240 x 310mm</td>
<td>1 pc</td>
</tr>
<tr>
<td><strong>Standard Servo</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SV4031</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**180mm Extension**

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

**Wind sock**

**Clevis Wrench**

**Charge Receptacles**

**Field Stand**

**Standard Servo**

Speed : 0.17 sec / 60° @4.8V
0.14 sec / 60° @6.0V
Torque : 3.2kg.cm / 44.8 oz - in @4.8V
4.1kg.cm / 57.4 oz - in @6.0V
Size : 40.6 x 20 x 37mm / 1.60 x 0.79 x 1.46 in
Weight : 39.4 g / 1.39 oz