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.

Requires: 100 c.c. gasoline engine, 4-channel radio w/ 9 high torque servos.

<table>
<thead>
<tr>
<th>Specifications</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Wing Span</td>
<td>116 in / 2950 mm</td>
</tr>
<tr>
<td>Wing Area</td>
<td>3700 sq in / 238.7 sq dm</td>
</tr>
<tr>
<td>Flying Weight</td>
<td>38.5 lb / 17.5 kg</td>
</tr>
<tr>
<td>Fuselage Length</td>
<td>88 in / 2240 mm</td>
</tr>
</tbody>
</table>

*Specifications are subject to change without notice.*
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.

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!
- Do not overlook this symbol!

Pay close attention here!
Parts List

1. DECALS: A300 DEC -- set
   LOWER WING -- 1 pair
   VERTICAL FIN & RUDDER -- 1 set
   FUSELAGE -- 1 pc.
   COWLING -- 1 set
   TAIL PIECE -- 1 pc.
   COVERING 20x850mm -- 2 pcs
   SCREW PA3x18mm -- 6 pcs
   WASHER d6x015mm -- 4 pcs

2. WIRE Ø1x1500mm -- 2 pcs
   THREADED ROD M3x120mm -- 1 pc.
   COPPER TUBE d2.5xD3.2x8mm -- 2 pcs
   M4 NYLON INSERT LOCK NUT -- 2 pcs
   SWIVEL CLEVIS HORN FAIRING PL4112000 -- 2 sets
   HEAVY DUTY SERVO HORN PL4120300 -- 2 sets
   HEAVY DUTY HORN BRACKET -- 1 pc.
   M4 NYLON INSERT LOCK NUT -- 2 pcs
   HEAVY DUTY CLEVIS PL4112200 -- 2 sets
   HEAVY DUTY CLEVIS PL4112200 -- 2 sets
   EYE SCREW M2.5x8x25mm HW4202101 -- 2 pcs
   SWIVEL CLEVIS HORN FAIRING PL4112000 -- 2 sets
   SERVO MOUNTING PANEL PL5310010 -- 1 pair
   SCREW PWA2.3x8mm -- 8 pcs
   M2.5 NUT -- 1 pc.
   COPPER TUBE d3.6xD4.2x10mm -- 32 pcs
   HEAVY DUTY CLEVIS PL4112200 -- 12 sets
   PLYWOOD Ø8x230mm -- 2 pcs

3. STABILIZER & ELEVATOR -- 1 set
   ALUMINUM TUBE Ø14.5x317mm -- 1 pc.
   BUTTON HEAD SCREW HM4x45mm -- 4 pcs
   WASHER d4.5xD9mm -- 2 pcs
   HEAVY DUTY SERVO HORN PL4120000 -- 2 sets
   M4 NYLON INSERT LOCK NUT -- 2 pcs
   HEAVY DUTY CLEVIS PL4112200 -- 4 sets
   HEAVY DUTY HORN BRACKET PL4112400 -- 2 sets
   HEAVY DUTY HORN BRACKET PL4112400 -- 4 sets
   SWIVEL CLEVIS HORN FAIRING PL6110010 -- 2 sets
   PUSHROD M3xD5x112mm w/ Threads (For Elevator) -- 2 pcs
   SERVO MOUNTING PANEL PL5310010 -- 2 pair
   SCREW PWA2.3x8mm -- 16 pcs

4. TAIL LANDING GEAR PL4110022 -- 1 pc.
   WIRE Ø1.8mm -- 1 pc.
   SCREW PWA2.3x12mm -- 1 pc.
   STRAPER PL4121020 -- 2 pcs
   FUEL TUBE D6x5mm -- 2 pcs
   MOUNTING PLATE 2x10x95mm -- 1 pc.

5. WIRE Ø1x420mm -- 8 pcs
   MOUNTING PLATE 1.5x10x35mm(119°) -- 4 pcs
   MOUNTING PLATE 1.5x10x35mm(140°) -- 8 pcs
   BUTTON HEAD SCREW HM4x25mm -- 4 pcs
   BUTTON HEAD SCREW HM4x30mm -- 2 pcs
   M4 NYLON INSERT LOCK NUT -- 6 pcs
   WASHER d8.5xD9mm -- 12 pcs
   HEAVY DUTY CLEVIS PL4112200 -- 8 sets
   COPPER TUBE d2.5xD2.8x8mm -- 16 pcs
   EYE SCREW M2.5x8x25mm HW4202101 -- 8 pcs

6. MAIN LANDING GEAR -- 1 pc.
   SOCKET HEAD SCREW M6x30mm -- 4 pcs
   WASHER d6xD15mm -- 4 pcs
   WHEEL AXLES D5xD8mm -- 8 pcs
   COLLAR Ø1.5mm w/ Set Screw -- 4 sets
   M8 NYLON INSERT LOCK NUT -- 2 pcs
   Main WHEEL Ø150mm PL3115150 -- 2 pcs
   WHEEL COVER -- 2 pcs
   SCREW PAL.7x8mm -- 6 pcs
   LANDING GEAR COVERS -- 1 pair
   BUTTON HEAD SCREW HM4x6mm -- 2 pcs
   BUTTON HEAD SCREW HM4x12mm -- 2 pcs
   WASHER d4xD9mm -- 4 pcs
   PVC WOOD 6x15x15mm -- 2 pcs

7. FUEL TANK 1500cc PL1121500 -- 1 set
   CABLE TIE (For Fuel Tank) 1.5x8x500mm -- 2 pcs
   SPONGE 10x8x200mm -- 1 pc.

8. BLIND NUT M6 HW4202101 -- 4 pcs
   SOCKET HEAD SCREW M6x50mm -- 4 pcs
   WASHER d6xD15mm -- 4 pcs
   THROTTLE RIVET w/D 0.8x500mm -- 1 pc.

9. SCREW KA2.3x8mm -- 8 pcs
   QUICK RELEASE NYLON RIVET PL1208042 -- 8 pcs

10. LINKAGE CONNECTOR Ø2.1mm w/ screw -- 1 set

11. SPONGE 50x80x200mm -- 1 pc.

12. HEAVY DUTY SERVO HORN PL4120300 -- 4 sets
    SOCKET HEAD SCREW M4x65mm -- 4 pcs
    M4 NYLON INSERT LOCK NUT -- 4 pcs
    HEAVY DUTY CLEVIS PL4112200 -- 8 sets
    HEAVY DUTY HORN BRACKET PL4112400 -- 4 sets
    SWIVEL CLEVIS HORN FAIRING PL4610010 -- 4 pcs
    PUSHROD M3xD5x106mm w/ Threads (For Aileron) -- 4 pcs
    SERVO MOUNTING PANEL PL5310010 -- 2 pair
    SCREW PWA2.3x8mm -- 16 pcs

13. WING TUBE Ø32x762mm -- 1 pc.
    COCKPIT -- 1 pc.

14. UPPER WING -- 1 set
    WING TUBE Ø32x1029.5mm -- 1 pc.

15. WING STRUTS(Side Cabane) -- 1 pair
    WING STRUTS(Brace: Fueslage to Wing) -- 4 pcs
    BUTTON HEAD SCREW HM4x16mm -- 12 pcs
    BUTTON HEAD SCREW HM4x25mm -- 4 pcs
    WASHER d3.2xD12mm -- 6 pcs
    MOUNTING PLATE 1.5x20x35mm(119°) -- 4 pcs
    MOUNTING PLATE 1.5x10x35mm(130°) -- 8 pcs
    THREADED ROD M4x320mm -- 1 pc.
    THREADED ROD M4x340mm -- 1 pc.
    PVC WOOD (Wing Incidence Angle Template) -- 2 pcs

16. WIRE Ø1.5x14000mm -- 1 pc.
    WIRE Ø1.5x350mm -- 4 pcs
    EYE SCREW M2.5x8x25mm HW4202101 -- 12 pcs
    COPPER TUBE d3.6xD4.2x10mm -- 32 pcs
    HEAVY DUTY CLEVIS PL4112200 -- 12 sets
    PLYWOOD Ø8x230mm -- 2 pcs
    TURN BUCKLES HW4201322 -- 4 pcs
    M3 NUT -- 4 pcs
    STEEL WIRE Ø1.8mm -- 4 pcs

17. CANOPY -- 2 pcs
    PILOT PC1011100E -- 1 pc.
    PILOT PC1011100E -- 1 pc.

18. COVERING:
    LIGHTEX SGX 311 FERRARI RED
    LIGHTEX SGX 100 WHITE
    LIGHTEX SGX 201 BLACK
    TOUGHLON STL 331 CUB YELLOW
    TOUGHLON STL 250 BLUE
- Cut out decal sheet, peel off backing sheet and apply on fuselage and wings.

### Lower wings

- **Left View**
- **Right View**

### Fuselage

- **Left View**
- **Right View**

### Rudder

- **Right View**
- **Left View**

### Decals

- **PA3x18mm Screw**
- **d3.2xD12mm Washer**

---

**Servo Lead**

**Covering**

**d3.2xD12mm Washer**

**PA3x18mm**
2 - Vertical Fin & Rudder

<table>
<thead>
<tr>
<th>Component</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>M4x120mm Threaded Rod</td>
<td>1</td>
</tr>
<tr>
<td>PM2.5x21mm Screw</td>
<td>1</td>
</tr>
<tr>
<td>M4 Nylon Insert Lock Nut</td>
<td>2</td>
</tr>
<tr>
<td>M2.5 Nut</td>
<td>1</td>
</tr>
</tbody>
</table>

1. Swivel Clevis Horn Faring
   M4 x 120mm
   PM2 x 10mm Heavy Duty Horn Bracket
   M2 Nut
   PM2.5 x 21mm Swivel Clevis Horn Support

2. Wire
   Eye Screw
   Heavy Duty Clevis
   M2 x 10mm
   PM2 x 10mm
   M2 Nut
   PM2.5 x 21mm Nylon Insert Lock Nut
**Stabilizer & Elevator**

- **HM4x45mm Button Head Screw**
- **PWA2.3x8mm Screw**
- **M4 Nylon Insert Lock Nut**
- **d4.5xD9mm Washer**

---

- The hinges are factory glued.

---

- **Aluminum Tube Ø14.5x317mm**
- **HM4x45mm Button Head Screw**
- **Washer d4.5xD9mm**

---

- **Servo wire**
- **Heavy Duty Horn Bracket**
- **M2 Nylon Insert Lock Nut**
- **Heavy Duty Clevis**
- **M2 x 10mm Pushrod**
- **HM4 x 45mm**

---

- **PL412030**
- **PWA2.3x8mm Screw**
- **M4 Nylon Insert Lock Nut**
- **d4.5xD9mm Washer**

---

- **M2 x 10mm Pushrod**
- **M2 x 8mm Socket Head Screw**
- **M2 Lock Nut**
4 Tail Landing Gear

PWA2.3x12mm Screw 1

PA1.5x16mm Fuel Tube D6x5mm PWA2.3x12mm Stripper

Copper Tube Wire

Press down the center 1/3 portion

M4 Nylon Insert Lock Nut d4.5xD9mm Washer 6

HM4x25mm HM4x30mm Eye Screw Wire Copper Tube

Copper Tube

M2 Nylon insert lock nut Heavy Duty Clevis

5 Flying Wire

HM4x30mm Button Head Screw 2
HM4x25mm Button Head Screw 4
M4 Nylon Insert Lock Nut 6
d4.5xD9mm Washer 12

L/R

Wire Copper Tube

Pass down the center L/R part

Washer d4.5xD9mm M4 Nylon Insert Lock Nut

HM4x30mm Copper Tube

Eye Screw HM4x25mm Wire

M2x10mm M2 Nylon insert lock nut Heavy Duty Clevis
### 6 Main Landing Gear

- **M6x30mm Socket Head Screw**: 4
- **HM4x12mm Button Head Screw**: 2
- **HM4x6mm Button Head Screw**: 2
- **PA1.7x8mm Screw**: 6
- **M8 Nylon Insert Lock Nut**: 2
- **d6xD15mm Washer**: 4
- **d4xD9mm Washer**: 4

#### Diagram:
- M8 Nylon Insert Lock Nut
- 5.1mm Collar
- M3x3mm Set Screw
- 6x15x15mm Wheel Ø150mm
- Wheel Cover

### 7 Fuel Tank

- **Fuel Tank 1500cc**
- **Cable Tie 1.5x8x500mm**
- **Sponge 10x80x200mm**

#### Diagram:
- Fuel Tank
- Cable Tie
- Sponge 10x80x200mm

---

A300PO31701624 P.7
### Engine

- **M6x50mm Socket Head Screw**: 4
- **PWA2.6x8mm Screw**: 4
- **d6xD15mm Washer**: 4
- **M6 Blind Nut**: 4

**Gasoline Engine Setting**

- First insert the Quick Release Nylon Rivet to the cowling, then through the 4mm hole in cowling bracket, then apply screw.
10 Servo Set

- 3x3mm Set Screw: 1
- Linkage Connector: 1
- M2 Nut: 1
- 2mm Washer: 2

Please refer to the attached sheet for linkage connector installation.

11 Servos Setting

- Install and arrange the servo as shown in the diagram.
The hinges are factory glued.

- **Pre-glued**
- **M4 x 65mm Socket Head Screw**
- **PWA2.3x8mm Screw**
- **M4 Nylon Insert Lock Nut**
- **M4 x 65mm Socket Head Screw**
- **M2 x 10mm Lock Nut**
- **M2 Nylon Insert Lock Nut**
- **Heavy Duty Clevis**
- **Pushrod**
- **Heavy Duty Horn Bracket**
- **M2 x 10mm Pushrod**
- **M2 Nylon Insert Lock Nut**
- **M2 x 10mm**
- **PA1.7 x 8mm**

Aileron Servo Lead

**Bottom View**
15 Wing Struts

- **M4x340mm Threaded Rod**
- **M4x320mm Threaded Rod**
- **HM4x25mm Button Head Screw**
- **HM4x16mm Button Head Screw**
- **M4 Nylon Insert Lock Nut**
- **d4.5xD9mm Washer**

**Assembly Diagrams**

- **A**
  - Wing Struts
  - Mounting Plate 1.5x10x35mm (119°)
  - HM4x16mm
  - Washers d4.5xD9mm
  - M4 Nylon Insert Lock Nut

- **B**
  - Mounting Plate 1.5x20x35mm (119°)
  - M4x320mm
  - Washers d4.5xD9mm
  - Fuselage
  - HM4x16mm
  - Button Head Screw
  - M4 Nylon Insert Lock Nut

- **C**
  - Threaded Rod M4x340mm
  - Plywood (Wing Incidence Angle Template)
Flying Wire

Press down the center 1/3 portion

Eye Screw

M2 Nylon Insert Lock Nut

Heavy Duty Clevis

M2x10mm

A

Turn Buckles

Steel Wire

M3 Nut

B

Copper Tube

C

Wire

M2x10mm

Copper Tube

Plywood Ø8x230mm

A300PO31701624 P.13
18 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**: 35mm
- **Rudder**: 60mm
- **Ailerons**: 30mm
**Warning!**

**Important Safety Precautions**

1. **First time flyer should never fly by himself / herself.** Assistance from experienced flyer is absolutely necessary.
2. **Pre-flight adjustment must be done before flying,** it is very dangerous to fly a badly pre-adjusted aircraft.
3. **30% STEARMAN PT-17** is specially designed to be powered by **100c.c. gasoline** engine, using a **more powerful engine does not mean better performance.** In fact, over powered engine may cause structural damage and injuries.
4. **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.
5. **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.
6. **Check and re-tighten up all factory assembled screws,** use thread locker if necessary.

---

**The ideal C.G. position is 210mm (8.25 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.

---

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

**Field Stand**

<table>
<thead>
<tr>
<th>Code No.</th>
<th>Size</th>
<th>Package</th>
</tr>
</thead>
<tbody>
<tr>
<td>MS9111450</td>
<td>600 x 240 x 350mm</td>
<td>1 pc</td>
</tr>
</tbody>
</table>

![Field Stand Image](image1.png)

**180mm Extension**

<table>
<thead>
<tr>
<th>Code No.</th>
<th>Size</th>
<th>Package</th>
</tr>
</thead>
<tbody>
<tr>
<td>KW0011800</td>
<td>180mm</td>
<td>1 set</td>
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</tbody>
</table>

![180mm Extension Image](image2.png)

**180mm Y-Cord**

<table>
<thead>
<tr>
<th>Code No.</th>
<th>Size</th>
<th>Package</th>
</tr>
</thead>
<tbody>
<tr>
<td>KW0021800</td>
<td>180mm</td>
<td>1 pc</td>
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</table>

![180mm Y-Cord Image](image3.png)

**Charge Receptacles**

<table>
<thead>
<tr>
<th>Code No.</th>
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</thead>
<tbody>
<tr>
<td>KP0041300</td>
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</table>

![Charge Receptacles Image](image4.png)

**Fuel Tubing Clip**

<table>
<thead>
<tr>
<th>Code No.</th>
<th>Size</th>
<th>Package</th>
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</thead>
<tbody>
<tr>
<td>HW4201550</td>
<td>D5.5mm</td>
<td>6 pcs</td>
</tr>
<tr>
<td>HW4201450</td>
<td>D4.5mm</td>
<td>6 pcs</td>
</tr>
</tbody>
</table>

![Fuel Tubing Clip Image](image5.png)

**Neoprene Tube**

<table>
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<th>Code No.</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>PT1114050</td>
<td>D5xd2.5mm 2m</td>
</tr>
<tr>
<td>PT1114070</td>
<td>D6xd3mm 2m</td>
</tr>
</tbody>
</table>

- Perfect gasoline tubing.
- Remain soft and flexible after long time use.
- Black in color.

![Neoprene Tube Image](image6.png)

**Wind sock**

<table>
<thead>
<tr>
<th>Code No.</th>
<th>Size</th>
<th>Package</th>
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</thead>
<tbody>
<tr>
<td>AT3001052</td>
<td>D260x900mm</td>
<td>1 pc</td>
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</tbody>
</table>

![Wind sock Image](image7.png)

**Detachable Transmitter Stand**

<table>
<thead>
<tr>
<th>Code No.</th>
<th>Size</th>
<th>Package</th>
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</thead>
<tbody>
<tr>
<td>MS9111500</td>
<td>225x115mm</td>
<td>1 set</td>
</tr>
</tbody>
</table>

![Detachable Transmitter Stand Image](image8.png)
Ducted Fan

Pattern

Warbirds

Funfly

Scale

Electric

Sports

Glider

Trainer

Boat

Accessories

Covering
(Lightex / Toughlon)