**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

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Wing Span</td>
<td>144 in / 3650 mm</td>
<td></td>
</tr>
<tr>
<td>Wing Area</td>
<td>2731 sq in / 176.2 sq dm</td>
<td></td>
</tr>
<tr>
<td>Flying Weight</td>
<td>36.5 lb / 16.5 kg</td>
<td></td>
</tr>
<tr>
<td>Fuselage Length</td>
<td>112 in / 2850 mm</td>
<td></td>
</tr>
</tbody>
</table>

*Specifications are subject to change without notice.*

---

**100cc gasoline engine**

Requires : 6-channel radio w/ 9 high torque servos
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!
- Do not overlook this symbol!
## Parts List

1. **MAIN WING**
   - 1 pair
   - **SOCKET HEAD SCREW M4x70mm** -- 4 pcs
   - **SCREW PWA2.3x8mm** -- 24 pcs
   - **M4 NYLON INSERT LOCK NUT** -- 2 pcs
   - **PUSHROD M3x35mm w/ Threads**
     - For Aileron -- 2 pcs
   - **HEAVY DUTY CLEVIS**
     - PL4112200 -- 8 sets
   - **HEAVY DUTY HORN BRACKET**
     - PL4112400 -- 4 sets
   - **HEAVY DUTY SERVO HORN**
     - PL4120300 -- 2 sets
   - **SWIVEL CLEVIS HORN FAIRING**
     - PL4610010 -- 2 sets
   - **SERVO MOUNTING PANEL**
     - PL5310010 (For Aileron) -- 1 pair
   - **SERVO MOUNTING PANEL**
     - PL53P012 (For Flap) -- 2 pcs
   - **LAMP COVER**
     - 0.8mm PVC -- 1 pair

3. **STABILIZER & ELEVATOR**
   - 1 set
   - **SOCKET HEAD SCREW M4x60mm** -- 2 pcs
   - **M4 NYLON INSERT LOCK NUT** -- 2 pcs
   - **PUSHROD M3x35mm w/ Threads**
     - For Elevator -- 2 sets
   - **HEAVY DUTY CLEVIS**
     - PL4112200 -- 2 sets
   - **HEAVY DUTY HORN BRACKET**
     - PL4112400 -- 2 sets

4. **FUSELAGE**
   - 1 pc
   - **SCREW PAX3x12mm** -- 2 pcs
   - **WASHER d3x07mm** -- 2 pcs
   - **STABILIZER TUBE**
     - Ø14.5x580mm -- 1 pc

5. **VERTICAL FIN & RUDDER**
   - 1 set
   - **VERTICAL FIN’S WING**
     - 105x58x6mm -- 1 pc

6. **SOCKET HEAD SCREW M4x50mm**
   - 1 pc.
   - **M4 NYLON INSERT LOCK NUT**
     - 1 pc.
   - **SWIVEL CLEVIS HORN FAIRING**
     - PL4610010 -- 1 set
   - **HEAVY DUTY CLEVIS**
     - PL4112200 -- 2 sets
   - **HEAVY DUTY SERVO HORN**
     - PL4120300 -- 1 set
   - **SERVO MOUNTING PANEL**
     - PL5310010 (For Elevator) -- 1 pc
   - **PUSHROD M3x35mm w/ Threads**
     - For Rudder -- 1 pc
   - **SCREW PWA2.3x8mm** -- 4 pcs
   - **SCREW PWA2.3x8mm w/ Thread**
     - For Rudder -- 1 pc

11. **FUEL TANK 1500cc**
   - 1 set
   - **INSTRUMENT PANEL**
     - 1 pc
   - **CABLE TIE**
     - (For Fuel Tank)
     - 1.5x8x500mm -- 1 pc
   - **DOUBLE-SIDED TAPE**
     - 40x160mm -- 1 pc

15. **COWLING**
   - 1 set
   - **TRANSPARENT 3D TEMPLATE**
     - 1 pc
   - **QUICK RELEASE NYLON RIVET**
     - PL1208042 -- 10 pcs
   - **SCREW KA2.3x8mm** -- 10 pcs
   - **SCREW PA3x12mm** -- 8 pcs
   - **GROMMET d2.5xD8.5mm**
     - PL1285035 -- 8 pcs
   - **WASHER d3xD7mm** -- 8 pcs
   - **SPINNER Ø95mm**
     - 1 set
   - **SCREW PWA2.3x12mm** -- 4 pcs
   - **AIR SCOOP**
     - 1 set

16. **MAIN WING STRUT**
   - 1 pair
   - **SCREW HM4x16mm** -- 4 pcs
   - **SCREW PM2x18mm** -- 8 pcs
   - **M2 NYLON INSERT LOCK NUT** -- 8 pcs
   - **WASHER d4.5xD9mm** -- 4 pcs
   - **WASHER d2xD5mm** -- 16 pcs
   - **MAIN WING STRUT COVER**
     - 1 set

18. **ANTENNA**
   - 1 pair
   - **ORNAMENT**
     - 1 set
   - **SCREW PA2x12mm** -- 4 pcs

19. **DECALS**
   - A299DEC -- 1 set

### COVERING:
- TOUGHLON STL100 WHITE
- LIGHTEX SGX 201 BLACK
- LIGHTEX SGX 580 PEARL BRONZE
- LIGHTEX SGX 350 CORSAIR BLUE
- LIGHTEX SGX 100 WHITE
### 3 Elevator Servos

- **M4x60mm Socket Head Screw**: 2
- **PWA2.3x8mm Screw**: 8
- **M4 Nylon Insert Lock Nut**: 2

![Bottom view](image1)

![Completed](image2)

### 4 Stabilizer & Elevator

- **PA3x12mm Screw**: 2
- **d3xD7mm Washer**: 2

![Bottom view](image3)

![Completed](image4)
5 Vertical Fin & Rudder

- Rudder Pushrod

6 Rudder Pushrod

- Remove coverings for all surfaces in contact before applying A/B epoxy glue.
7 Front Landing Gear

- M5x70mm Socket Head Screw
- M4x6mm Socket Head Screw
- HM4x20mm Screw
- HM3x12mm Screw
- HA3x18mm Screw
- HA3x30mm Screw
- M5 Nylon Insert Lock Nut
- M4 Nylon Insert Lock Nut
- M3 Nylon Insert Lock Nut
- d5xD12mm Washer
- 5.1 mm Collar
- 6.1 mm Collar
- M3x3mm Set Screw
- M4x4mm Set Screw
- M4 x 6mm
- M4 x 4mm
- HA3x18mm
- HA3x30mm
- Steering Arm
- Plastic Tube d2.5xD4x350mm
- Nose Wheel steering Pushrod Ø1.8x480mm
8 Main Landing Gear

Main Landing Gear Components:
- Ø6xM8x102mm Axle Shaft: 2
- M5x25mm Socket Head Screw: 6
- M3x12mm Socket Head Screw: 6
- d5xD12mm Washer: 4
- M8 Nylon Insert Lock Nut: 2
- 5.1mm Collar: 4

Front View:
- Landing Gear Faring
- M5 x 25 mm
- d5 x D12 mm Washer

Bottom View:
- Wheel Ø150mm
- M3x12mm
- Washer d6xD15mm
- Neck Collar 5.1mm
- M6 Blind Nut

Completed View:
- Throttle Pushrod Ø1.8x600mm
- Plastic Tube d2xD3x350mm
- M6 Blind Nut

9 Engine

Engine Components:
- M6x50mm Socket Head Screw: 4
- d6xD15mm Washer: 4
- M6 Blind Nut: 4

Front View:
- Axle Shaft Ø5xM8x102mm
- Axle Shaft Ø5xM8x102mm
- M6 Blind Nut
- Throttle Pushrod Ø1.8x600mm
Please refer to the attached sheet for linkage connector installation.
13 Canopy

- First insert the grommet to the cowling then apply screw.

14 Pilot

- Pilot Statues

15 Cowling

- First insert the grommet to the cowling then apply screw.
  Please refer to the attached sheet for usage of the transparent 3D template.
**16 Main Wing**

- **M3 x 8mm Set Screw**
- **Wire Ø0.8mm**
- **Set Screw M3x8mm**
- **Self Tightening Wing Latch**
- **Set Screw M3x8mm**
- **Wing Tube Ø25.4 x 1000mm**
- **PM2x18mm**
- **Wing Tube Ø22x1000mm**

**Completed**

**17 Wing Struts**

- **HM4x16mm Screw**
- **PM2x18mm Screw**
- **M2 Nylon Insert Lock Nut**
- **d4.5xD9mm Washer**
- **d2xD5mm Washer**

**Completed**
18 Antenna & Ornament

**PA2x12mm Screw**

- 4

- Ornament

- Aileron

- Completed

- Elevator

- Plywood inside

- 150mm

- 182mm

- L/R
20 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

\[
\begin{align*}
45\text{mm} & \\
45\text{mm} & \\
\end{align*}
\]

Elevator

\[
\begin{align*}
40\text{mm} & \\
40\text{mm} & \\
\end{align*}
\]

Flaps (near fuselage)

\[
75\text{mm}
\]

Ailerons (away from fuselage)

\[
\begin{align*}
30\text{mm} & \\
30\text{mm} & \\
\end{align*}
\]
The ideal C.G. position is 153mm (6 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.

If you are converting this model to electric, please move the C.G. forward 10% of current C.G. distance from leading edge to compensate for weight of fuel.

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### 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. **100 CC SKY LINK** is specially designed to be powered by **100 c.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.**

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.**
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.
Usage of the transparent 3D template

This transparent 3D template is used for position guidance of the actual cutting of the pre-painted cowling.

Simply cut the transparent 3D template to fit your engine and exhaust pipe, then slide onto the actual cowling and use as template to mark the openings required for final cutting.
Optional Parts

(ACCESSORIES)

180mm Extension

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

<table>
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<th>Size</th>
<th>Package</th>
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</thead>
<tbody>
<tr>
<td>KW0021800</td>
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Charge Receptacles

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<tbody>
<tr>
<td>KP0041300</td>
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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>
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</tbody>
</table>

Clevis Wrench

<table>
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<th>Code No.</th>
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</thead>
<tbody>
<tr>
<td>PL8210010</td>
<td></td>
<td>1 set</td>
</tr>
</tbody>
</table>

- Small Clevis
- Large Clevis

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

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>
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</table>

Neoprene Tube

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

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

Fuel Tubing Clip

<table>
<thead>
<tr>
<th>Code No.</th>
<th>Size</th>
<th>Package</th>
</tr>
</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>

Detachable Transmitter Stand

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<tbody>
<tr>
<td>MS9111500</td>
<td>225x115mm</td>
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Wind sock

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</thead>
<tbody>
<tr>
<td>AT3001052</td>
<td>D260x900mm</td>
<td>1 pc</td>
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