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.
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.

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. FUSELAGE -- 1pc.
2. MAIN WING -- 1pair
3. STABILIZER & ELEVATOR -- 1 set
4. RUDDER -- 1pc.
5. PILOT (#PC001050A) -- 1pc.
6. CANOPY & COCKPIT -- 1 set
7. AILERON SERVO COVER -- 2 pcs
8. PUSHROD & PULLWIRE:
   - METAL ROD Ø1.8X55mm (For Aileron) -- 2pcs
   - METAL ROD Ø1.8X580mm w/Threads (For Rudder) -- 1pc.
   - WIRE Ø1.5mm (For Elevator) -- 1pc.
   - COPPER TUBE d2XD2.4X8mm (For Elevator) -- 1pc.
9. WOODEN PARTS:
   - BALSA 5X5X48mm (For Radio) -- 2pcs
   - PLYWOOD 3X48X70mm (For Radio) -- 1pc.
   - WOODEN 8X13X16mm (For Aileron Servo) -- 2pcs
   - WOODEN 7X13X16mm (For Aileron Servo) -- 2pcs
10. PLASTIC PARTS:
    - CLEVIS -- 4pcs
    - STRAPER -- 2pcs
    - HORN -- 4pcs
    - RUBBER BAND D60X4mm -- 2pcs
    - FUEL TUBE Ø6X5mm -- 6 pcs
11. METAL PARTS:
    - LINKAGE CONNECTOR 2.1mm -- 2sets
    - WING TUBE Ø6X353mm -- 2pcs
    - SCREW PM2X12mm -- 2pcs
    - SCREW PM2X16mm -- 4pcs
    - SCREW PM2X20mm -- 2pcs
    - SCREW PM3X20mm -- 1pc.
    - SCREW PWA2X8mm -- 8pcs
    - WASHER d3XD12mm -- 1pc.
12. FUEL TUBE Ø6X5mm -- 7pcs
13. DECALS -- 1set

- **COVERING:**
  - LIGHTEX SGX 100 WHITE
  - LIGHTEX SGX 312 BRIGHT RED
  - LIGHTEX SGX 201 BLACK
1 Aileron

Wooden 8x13x16mm

2 Aileron Servo

Wooden 8x13x16mm

Wooden 7x13x16mm

PWA2x8mm

PM2x16mm

Clevis

Fuel Tube Ø6x5mm

Metal Rod Ø1.8x55mm

Horn

Fuel Tube

Straper

L/R
3 Stabilizer / Elevator

- **d3xD12mm Washer** - 1
- **PM3x20mm Screw** - 1

- **Completed**
- **Top View**
- **Bottom View**

- **Top View**
4 Rudder

5 Elevator Linkage

PM2x12mm Screw

Clamp the copper tube

PM2x12mm

Clevis

Fuel Tube Ø6x5mm

Tube

Wire

Horn(Short)
6 Rudder Pushrod

PM2x20mm Screw

Rudder Pushrod Ø1.8x580mm

Fuel Tube Ø6x5mm

Clevis

PM2x20mm

7 Servo Set

LINKAGE CONNECTOR

3x3mm Set Screw 2

Linkage Connector 2

2mm Nut 2

2mm Washer 2

included with the radio set.

Please refer to attached sheet for linkage connector installation.

8 Servos

Balsa 5x5x48mm

Plywood 3x48x70mm

Balsa 5x5x48mm

Elevator Pullwire Ø1.5x740mm

Rudder Pushrod Ø1.8x580mm
9 Main Wing

- Lead to Aileron Servo
- Wing Tube Dx353mm
- Rudder Band
Adjust the wing and fuselage configuration as in the diagrams.

A = A'
B = B'
C = C'
12 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

Rudder

Aileron

13 C.G.

The ideal C.G. position is 45mm (1.8 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.

# Check and re-tighten up all factory assembled screws, use thread locker if applicable.
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.

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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 Air Borne 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.