Radio required: 3 channels, 4 servos airplane radio

**Specifications**

- **Wing Span**: 81.5 in / 2070mm
- **Wing Area**: 572.0 sq in / 36.9 sq dm
- **Flying Weight**: 3.3 lbs / 1500g
- **Fuselage Length**: 43.5 in / 1100mm

*Specifications are subject to change without notice.*

**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:

- **AB**: Apply epoxy glue.
- **C.A.**: Apply instant glue (C.A. glue, super glue).
- **L/R**: 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).**
- **Must be purchased separately!**
- **Pay close attention here!**
- **Pierce the shaded portion covering film.**
- **Warning! Do not overlook this symbol!**
## Parts List

1. **FUSELAGE** -- 1pc.
2. **MAIN WING** -- 1 pair
3. **ELEVATOR** --1 pc.
4. **RUDDER** --1 pc.
5. **CANOPY & COCKPIT** --1 set
6. **AILERON SERVO COVER** --2 pcs
7. **PUSHROD & PULLWIRE** :
   - **METAL ROD Ø1.8x50mm (For Radio)** --2 pcs
   - **METAL ROD Ø1.8x735mm w/Threads (For Rudder)** --1 pc.
8. **WOODEN PARTS** :
   - **BALSA 4x4x70mm(For Radio)** --2 pcs
   - **PLYWOOD 2x55x70mm (For Radio )** --1 pc.
   - **WOODEN 8x16x24mm (For Aileron Servo)** --4 pcs
9. **PLASTIC PARTS** :
   - **CLEVIS** --3 pcs
   - **STRAPER** --3 pcs
   - **HORN** --3 sets
   - **PLASTIC PLATE 1.5x33.5x71mm** --1 pc.
10. **METAL PARTS** :
    - **LINKAGE CONNECTOR** --1 set
    - **WING JOINER Ø4x142mm** --1 pc.
    - **WING JOINER Ø6x211mm** --1 pc.
    - **STABILIZER JOINER Ø3x127mm** --1 pc.
    - **STABILIZER JOINER Ø3x144mm** --1 pc.
    - **SET SCREW 3mm** --2 pcs
    - **SCREW PM 2x12mm** --4 pcs
    - **SCREW PM 2x20mm** --2 pcs
    - **SCREW PM 3x16mm** --2 pcs
    - **SCREW PWA2x8mm** --8 pcs
    - **WASHER d3xD12mm** --2 pcs
11. **FUEL TUBE Ø6x5mm** --6 pcs
12. **DECALS** --1 set
1 Aileron

2 Aileron Servo

PWA2 x 8mm Screw 8
PM2 x 30mm Screw 4

Wooden 8x16x24mm

Bottom View

PWA2 x 8mm

Clevis
Fuel Tube Ø6x5mm
Metal Rod Ø1.8x50mm

Straper
Fuel Tube

N.I. 1mm

AB

AB

AB
3 Rudder

4 Rudder Pushrod

PM2 x 20mm Screw

Fuel Tube Ø6x5mm

PM2 x 20mm Clevis
5 Stabilizer / Elevator

Stabilizer Joiner Ø3x127mm

Stabilizer Joiner Ø3x144mm

Top View
6 Stabilizer / Elevator

- Bottom View

7 Servo Set

- LINKAGE CONNECTOR
  - 3 X 3mm Set Screw: 1
  - Linkage Connector: 1
  - 2mm Nut: 1
  - 2mm Washer: 1

- Important note: Please refer to attached sheet for linkage connector installation.

8 Servos

- Linkage Connector
- Rudder Servo
- Elevator Servo
- Rudder Pushrod: Ø1.8x735mm
- Fuel Tube: Ø6x5mm
- Straper

- Top View

P.6
9 Main Wing

- **Bottom View**
  - Lead to Aileron Servo
  - Wing Joiner Ø6x211mm
  - Wing Joiner Ø6x142mm

- **Top View**
  - PM3x16mm Screw
  - d3xD12mm Washer
  - 3mm
  - PM3x16mm
  - d3xD12mm
10 Canopy

11 Wing Setting

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.

13 C.G.

The ideal C.G. position is 75mm (2.9 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!

- 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.
Ducted Fan Pattern

Warbirds Funfly

Scale Electric

Sports Glider

Trainer Boat

Accessories

Covering

(Lightex / Toughlon)