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.
Extra Sports - 30S

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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!
1. MAIN WING -- 1 pair.

2. RING Ø2.3mm -- 2 pcs.
   WING TUBE Ø9.5x184mm -- 1 pc.

3. PLYWOOD 3x30x94mm (Wing Protection) -- 1 pc.

4. FUEL TUBE Ø6x5mm -- 4 pcs
   CLEVIS -- 2 pcs
   PUSHROD Ø1.8x150mm w/Threads (For Aileron) -- 2 pcs
   STRAPER -- 2 pcs
   PLYWOOD 3x31x32mm (For Aileron Servo Stand) -- 2 pcs
   PLYWOOD 3x32x60mm (For Aileron Servo) -- 1 pc.

5. FUSELAGE -- 1 pc.
   MAINLANDING GAR -- 1 set
   SCREW PM3x10mm -- 3 pcs
   WHEEL PANTS -- 1 pair
   MAIN WHEEL Ø58mm -- 2 pcs
   SCREW PM3.5x35mm -- 2 pcs
   WASHER d3.5xD8mm -- 4 pcs
   M3.5 NUT -- 6 pcs
   SCREW PA3x6mm -- 2 pcs
   STRAPER -- 2 pcs

6. WHEEL PANTS -- 1 pair
   MAIN WHEEL Ø58mm -- 2 pcs
   SCREW PM3.5x35mm -- 2 pcs
   WASHER d3.5xD8mm -- 4 pcs
   M3.5 NUT -- 6 pcs
   SCREW PA3x6mm -- 2 pcs
   STRAPER -- 2 pcs

7. STBAILZER & ELEVATOR -- 1 set
   SCREW PM2x12mm -- 2 pcs
   HORN -- 1 set

8. SCREW PM2x12mm -- 2 pcs
   HORN -- 1 set

9. VERTICAL FIN & RUDDER -- 1 pc.

10. TAIL LANDING GEAR -- 1 set
    ALUMI NUM PLATE (For Tail Landing Gear) -- 1 pc.
    TAIL WHEEL Ø23mm -- 1pc.
    SCREW PM2x12mm -- 3 pcs
    SCREW PA3x12mm -- 2 pcs
    M2 NUT -- 1 pc.
    HORN -- 1 pc.
    COLLAR 2.1mm w/set screw -- 1 set

11. ENGINE MOUT5111030 -- 1 set
    SCREW PM 3x22mm -- 4 pcs
    WASHER d3xD7mm -- 4 pcs

12. FUEL TANK 200cc -- 1 set
    Balsa 5x12x113 (For Fixing Fuel Tank) -- 1 pc.

13. SCREW PM3x25mm -- 4 pcs
    WASHER d3xD7mm -- 8 pcs
    M3 NUT -- 8 pcs
    THROTTLE PUSHWIRE Ø1.2x335mm -- 1 pc.
    w/ Plastic Tule d2x3X300m -- 1 pc.

14. COWLING -- 1 set
    TRANSPARENT DUMMY COWLING -- 1 pc
    SCREW PWA2.6x12mm -- 4 pcs
    SILICON GROMMET d1.5xD6.5mm -- 4 pcs
    SPINNER Ø52mm -- 1 pc.

15. LINKAGE CONNECTOR 2.1mm -- 1 set

16. PLYWOOD 3x8x105.1mm (For Throttle Servo Stand) -- 1 pc.
    SPONGE 10x80x200mm -- 2 pcs
    PLYWOOD 3x8x112mm (For Throttle Servo Stand) -- 1 pc.
    PLYWOOD 3x58x118mm (For Throttle Servo Stand) -- 1 pc.
    PLYWOOD 3x8x106.6mm (For Fuselage Servo Stand) -- 1 pc.
    PLYWOOD 3x58x112.6mm (For Fuselage Servos Stand) -- 1 pc.
    BALSA 6x7x58mm (For Throttle Servo Stand) -- 2 pcs
    BALSA 6x8x58mm (For Fuselage Servo Stand) -- 2 pcs
    FUEL TUBE Ø6x5mm -- 2 pcs
    STRAPER -- 2 pcs
    PUSHROD Ø1.8x150mm w/ Threads (For Elevator & Rudder) -- 2 pcs

17. FUEL TUBE Ø6x5mm -- 2 pcs
    CLEVIS -- 2 pcs

18. SCREW PM4x30mm -- 2 pcs
    WASHER d4xD9mm -- 2 pcs.

19. SCREW PWA2.3x8mm -- 4 pcs
    CLEVIS -- 1 pc.
    SILICON GROMMET d1.5xD6.5mm -- 4 pcs

20. SCREW PWA2.3x8mm -- 4 pcs
    SILICON GROMMET d1.5xD6.5mm -- 4 pcs
    CANOPY -- 1 pc.
    DOUBLE-SIDED TAPE Ø8x80mm -- 1 pc.
    PILOT -- 1 pc.

21. DECALS:ST200 026 -- 1 set

● COVERING:
  - LIGHTEX SGX312 BRIGHT RED
  - LIGHTEX SGX100 WHITE
  - LIGHTEX SGX350 CORSAIR BLUE
  - LIGHTEX SGX330 CADMIUM YELLOW
Securely glue together. If coming off during flights, you lose control of your airplane which leads to accidents!

Cut out to fit in the aileron servo.

Peel off shaded portion covering film.

Plywood 3x30x94 mm
4 Ailero Servo

Fuel Tube Ø6 x5mm

Screw

Strap

PM 3 x10mm

PA 3 x 6mm Screw

3.5mm Washer

3.5mm Nut

Ring

Clevis

5 Main Landing Gear

PM 3 x10mm Screw

Peel off shaded portion covering film.

6 Main Landing Gear

PM 3.5 x35mm Screw

PA 3 x 6mm Screw

3.5mm Washer

3.5mm Nut

PM3.5x35mm 3.5mm Nut

PA 3 x6mm

3.5mm Washer

L/R
**7 Stabilizer**

Securely glue together. If coming off during flights, you lose control of your airplane which leads to accidents!

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

---

**8 Elevator**

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

---

**9 Vertical Fin**

- Peel off shaded portion covering film.

Securely glue together. If coming off during flights, you lose control of your airplane which leads to accidents!
Align the center of the engine with the center of both marks.

Find the holes for mounting the engine. At the same time determine also the position of the engine mounts on the fuselage, with the engine temporarily mounted.

With 2-cycle engines, determine the position of the engine mounts ensuring the muffler does not contact the plastic cover.

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

Install Basla 5x12x113mm (For fixing fuel tank)

Fuel Tank 200cc
13 Engine

- PM 3 x 25 mm Screw (4)
- 3 mm Washer (8)
- 3 mm Nut (8)

Lead the 1.2 mm throttle rod through the plastic tube and attach the throttle rod to the throttle lever on the engine.

14 Cowling

- PWA 2.6 x 12 mm Screw (4)
- 4.53 in 1.5 mm Silicon Grommet (4)

Trim the cowling so it will match your engine.

15 Servo Set

- LINKAGE CONNECTOR
  - 3x3 mm Set Screw (1)
  - Linkage Connector (1)
  - M2 Nut (1)
  - 2 mm Washer (2)

Included with the radio Set.

- Throttle pushwire
- Throttle Servo.

Please refer to attached sheet for linkage connector installation.
16 Radio Equipment
- Plywood 3 x 8 x 109.1mm
- Balsa 6 x 8 x 58mm
- Throttle Servo
- Plywood 3 x 8 x 112mm
- Plywood 3 x 58 x 118mm
- Balsa 6 x 8 x 58mm
- Fuel Tank 200cc
- For fixing fuel tank
- Balsa 6 x 8 x 58mm
- Top View

17 Linkage
- Rudder Pushwire
- Elevator Pushwire
- Fuel Tube Ø6 x 5mm
- Rudder Pushwire & Elevator Pushwire
- Bottom View

18 Main Wing
- PM 4 x 30mm Screw
- 4mm Washer

- Install and arrange the servo as shown in the diagram.
19 Cockpit

Adjust the wing and fuselage configuration as in the diagrams.

20 Canopy

21 Wing Setting
22 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.

23 C.G.

The ideal C.G. position is 80mm (3.15 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.

#EXTRA SPORTS - 30S is specially designed to be powered by 4C 0.48-0.56 engine, using a more powerful engine does not mean better performance. In fact, overpowered engine may cause severe damage and injuries.

#Make sure the airfield 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. U. S. A.

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.