Specifications

Length: 31.0 in / 780 mm
Beam: 9.0 in / 230 mm
Power: 7.2V
Motor Geared: 550 motor

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 electric 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.

THE WORLD MODELS MANUFACTURING CO. LTD.
FACTORY PRE-FABRICATED ALMOST-READY-TO-FLY (ARF) SERIES
MADE IN CHINA
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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 be difficult to extend to the good 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.
- **3mm** Drill holes with the specified diameter (here: 3mm).
- **!** Pay close attention here!
- **N.I.** Must be purchased separately!
- **! Warning!** Do not overlook this symbol!
Parts List

1. Boat Stand Assembly
   Boat Stand A -- 2 pcs *
   Boat Stand B -- 2 pcs *
   Sponge Tube -- 2 pcs *

2. Rudder Assembly
   Rudder bracket -- 1 pc.
   Rudder Bracket Plate A -- 1 pc.
   Screw PA 3x16mm -- 2 pcs
   Washer 3x27mm -- 2 pcs
   Rudder -- 1 pc.
   Rudder Bracket Plate B -- 1 pc.
   Screw PA 3x10mm -- 2 pcs *

3. Drive Assembly
   44T Pinion Gear w/set screw -- 1 set
   56T Spur Gear -- 1 pc.

4. Cabin Hoeder
   Cabin Holder Lower -- 1 pcs
   Cabin Holder Upper -- 1 pcs
   Screw PM 3x8mm -- 4 pcs
   3mm Nut -- 4 pcs
   Body Pin -- 1 pcs *

5. Antenna Assembly
   3mm O-Ring -- 1 pc.
   Antenna Tube -- 1 pc.
   Antenna Tube Cap -- 1 pc.


7. Trim Plate Assembly
   Trim Plate -- 2 pcs
   Adjusting Linkage -- 2 pcs
   Screw PM 2x10mm -- 4 pcs

8. Motor Assembly
   Motor Mount -- 1 pc.
   550 Motor -- 1 set
   Screw PA 3x10mm -- 4 pcs
   Screw PM 3x8mm -- 2 pcs

9. Speed Control Switch Assembly
   A.W.G. 14 Jumper Cables
   with Plastic Connectors& On-Off Switch -- 1 set
   Switch Mount -- 2 pcs
   Pushrod Guide -- 1 pc.
   Screw PA 3x6mm -- 3 pcs.
   Screw PA 3x16mm -- 2 pcs

10. Propeller Shaft Assembly
    Bushing 4x8F -- 4 pcs.
    56T Squirrel Gear Coupler w/set screw -- 1 set
    Stern Tube -- 1 pc.
    Drive Axle 4mm -- 1 pc.
    Drive Dog 4mm -- 1 pc.
    Propeller Stopper -- 1 pc
    Propeller -- 1 pc.

11. Radio Box
    Rudder Push Rod -- 1 pc.
    Speed Control Pushrod -- 1 pc.
    Battery Mount -- 4 pcs
    Screw PA 3x10mm -- 10 pcs
    Push Rod Connector w/set screw -- 3 sets *
    Double Side Tape 40x35mm -- 2 pcs.
    Double Side Tape 45x32mm -- 1 pc.
    Double Side Tape 58x30mm -- 1 pc.
    Balsa 8x18x21mm (For Servos) -- 3 pcs *
    Clear Tape -- 1 pc.
    Screw PA 3x10mm (For Boat Wing) -- 2 pcs *

12. Decals: St200 089 -- 1 set *

13. Hull -- 1 set

* No setting parts
1. **Boat Stand**

   - Completed

2. **Speed Control Switch**

   - **PA 3x16 mm Screw**: 2
   - **PA 3x6 mm Screw**: 3

   - Switch Mount
   - Speed Control Switch
   - Pushrod Guide
   - **PA 3x6 mm**

   - **Motor Connection**

   - Bottom View
3 Motor Mount

- PM 3x8mm Screw: 2
- PA 3x10mm Screw: 4

TO ALLOW FOR BACKLASH OF MATCHING GEAR, PUT A PIECE OF THIN PAPER BETWEEN THE GEARS.

Bottom View

4 Battery Holder

- PA 3x10mm Screw: 6

Bottom View
5 Cabin Holder

PM 3x8mm Screw

3mm Nut

2

3mm Nut

PM 3x8mm

Completed

6 Hull

- Make sure the boat deck is water tight.

Completed

Silicone Glue
7 Trim Plate

- PA3x10mm Screw 6
- PA3x16mm Screw 2
- d3xD7mm Washer 2
- PM2x10mm Screw 2

Use different holes to adjust Trim plate angle for optimum water penetration. Large Trim plate angle will push the bow down.

8 Pushrods

- PA3x10mm Screw 4

Battery Mount
Speed Control Pushrod
Rudder Pushrod
Battery Mount
11 Radio Box & Switch

- Make sure the Radio box is water tight

Battery 7.2V

Clear Tape

12 Cabin

| PM3x8mm Screw | 2 |
| PA3x10mm Screw | 2 |
| 3mm Nut | 2 |

Wing
PA 3x10mm
Antenna Tube
Cabin Hatch
PM 3x8mm
Cabin Holder
M3 Nut
Body Pin

Completed
13 Decals
Safe Operation of Boat Model

- First time boat modeler should never run the boat by himself/herself. Assistance from experienced hobbyist is absolutely necessary.

Pre-run adjustment must be done before running a boat, it is dangerous to operate a boat not properly adjusted. If the boat model is behaving strangely, stop immediately and find out the reasons. As long as the problem exists, do not operate it.

- Do not run the boat in water where children and people are around.

- Do not run the boat in swollen river, lakes and other places with strong currents.

- Always check the dry batteries in the radio. Weak batteries will lead to weak signal transmission and reception. You may lose control of your boat model and lead to accidents.

- If you find other hobbyist operating a radio control model in your area, check and make sure that you are not using the same frequency. You both will lose control of your model if operating your radio at the same time.

- Do not touch any rotating parts of the boat model. Touching parts rotating at high speed will cause injuries.

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