



14+

ILLUMINATOR

Remote-controlled Boat

User Manual



Q7

2.4GHz

Remote control

NOTICE:

The boat switches on automatically when placed in water. After placing the boat in water, switch on the remote control. The remote control will automatically pair with the boat.

PLEASE READ THIS INSTRUCTION MANUAL CAREFULLY BEFORE USE
THIS PRODUCT IS NOT A TOY. IT IS NOT INTENDED FOR PERSONS UNDER 14
YEARS OF AGE UNLESS CLOSELY SUPERVISED BY AN ADULT.

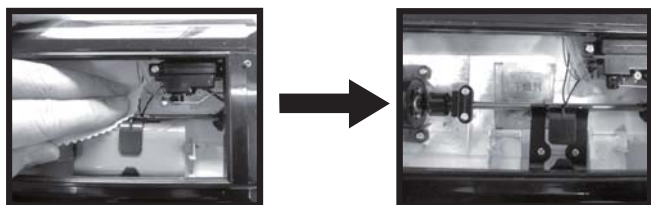
The materials, specifications, parts and packaging mentioned in this manual are for reference purposes only. We are not responsible for any changes made to this printed material, nor are we able to inform customers of any updates or changes. Please refer to our website R3VOLT.COM for the latest information.

SAFETY GUIDELINES

1. This product must be used under adult supervision. This product is not a toy and is only for people over the age of 14.
2. Wait for the battery to cool before recharging after the boat is used.
3. When sailing, make sure no one is in the water to avoid injury. There must be no weeds or debris on the surface of the water to prevent the propeller from becoming entangled or damaging the boat.
4. Remote control distance is about 150 meters, please do not exceed the effective control distance, to avoid losing control.
5. Please keep a safe distance from the high speed rotating propeller to avoid the risk of injury.
6. Always keep small parts and electrical parts out of the reach of children.
7. The charger is not a toy. Only use the original charger provided.
8. Battery charging should be done in a location out of reach of children. When charging it must be kept away from flammable materials such as bed, carpet, wood floors etc.,
9. DO NOT reverse polarity or puncture batteries. DO NOT store the batteries near any heat source.

MAINTENANCE AND CARE

- 1: If the boat is not being used, remove the battery.
- 2: If you do not plan to use your boat for an extended period of time, remove the batteries from the controller to avoid battery leakage, which may damage the controller.
- 3: The boat and the controller should be protected from prolonged exposure to the sun to prevent paint fading. When finished playing, wipe down with a dry cloth.



Note: After using the boat, make sure to drain any water from the hull and wipe with a dry cloth. It is recommended to leave the boat open to dry if water was in the hull.

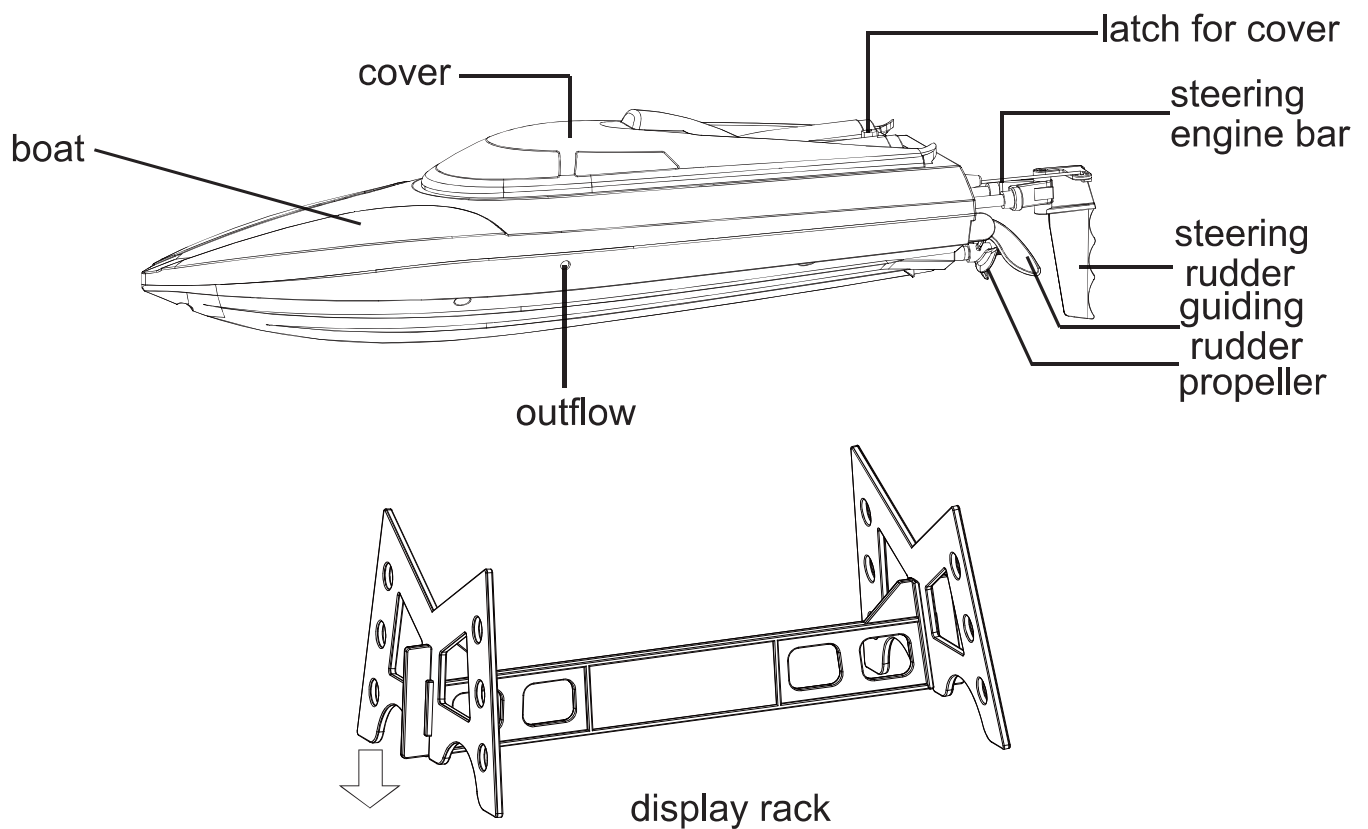
Inside the box

Boat × 1
Remote controller × 1
7.4V 600mAh Li-ion battery × 1
USB charger × 1
Manual × 1
Wrench/Spanner × 1
Spare propeller × 1
Spare nut for propeller × 1
Display rack × 1
Bow protection cover × 1
Bottle of lubricating oil × 1

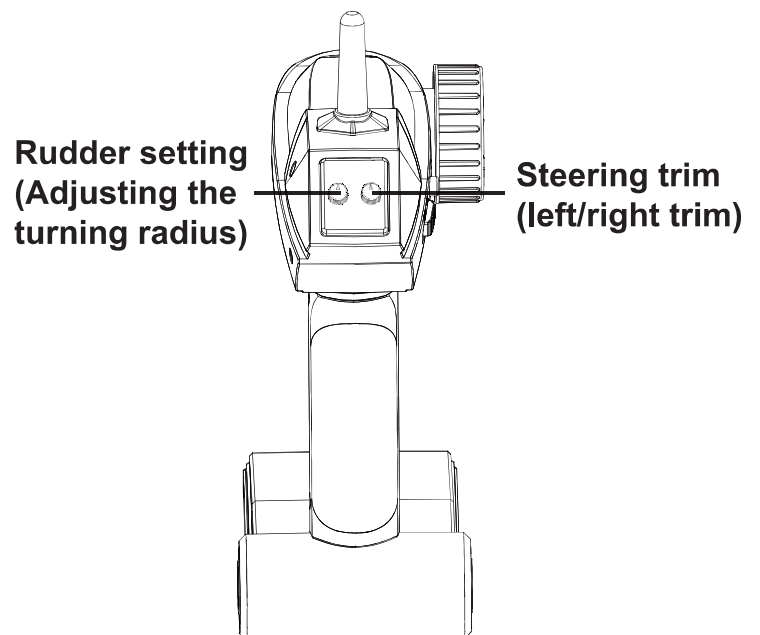
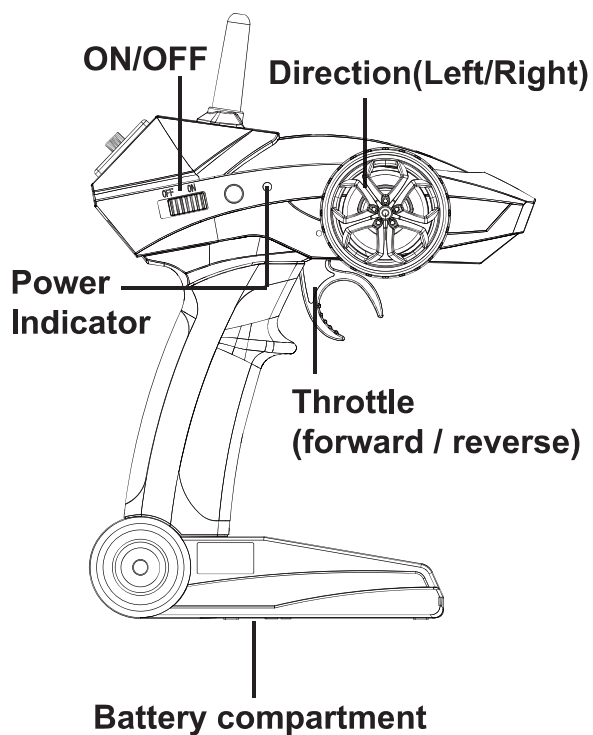
Product Specifications

Boat size: 35.2 x 9.2 x 9 CM/13.9" x 3.4" x 3.5"
Drive system: 370 strong magnet motor
Control distance: 150M/500ft
Control frequency: 2.4G
Charging time: 120 min
Play time: 7-8 min
Boat Battery: Li-ion 7.4V 600mAh (included)
Remote controller battery: 4 x 'AA' (not included)
Charger: USB charger
Speed: 20KM/H(13mph)

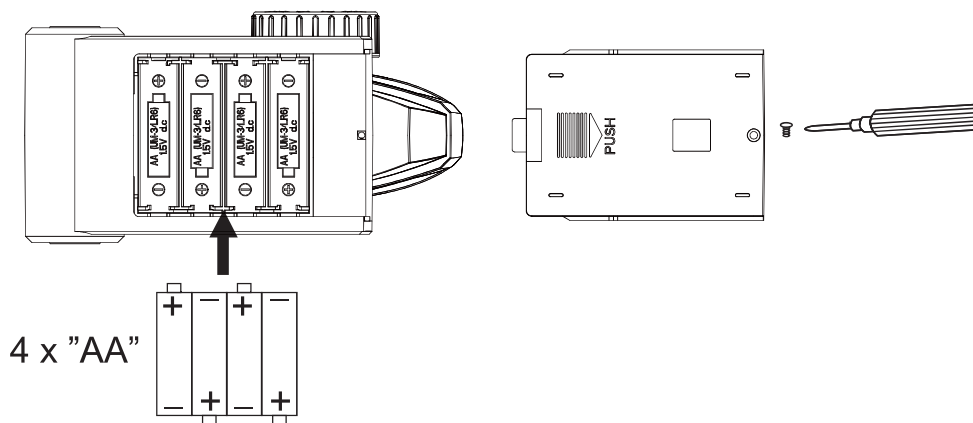
Boat Diagram



Controller Diagram



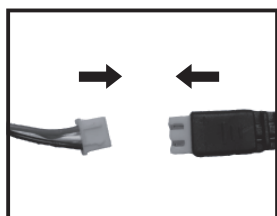
Battery Instillation - Controller



Unscrew and open the battery cover. Insert 4 x "AA" Batteries in the correct polarity. If the controller will not be used for a long time, please remove the batteries.

Note: when the controller continues to beep it indicates that the controller battery is running low.

Charge the Battery



1. Insert the battery wire with white connector to USB charger.



2. Connect the USB charger to USB output on computer, power bank or AC/DC adaptor.

When the controller continues to beep it indicates that the boat battery is running low, please return the boat back to retrieve it.

- * Power output of 5V 0.5-2A must be used for safe charging.
- * Please always use the USB cables provided.
- * Charging: red light ON
- * Charge Complete: red light turns OFF

Battery Installation-Boat

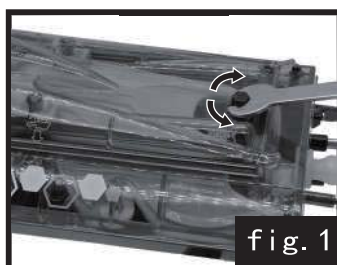


fig. 1

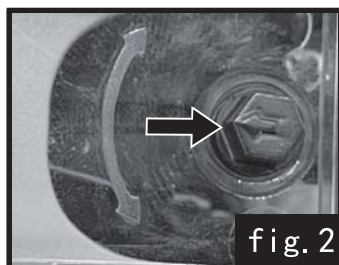


fig. 2

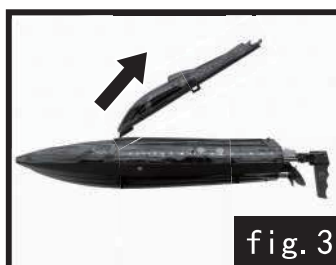


fig. 3

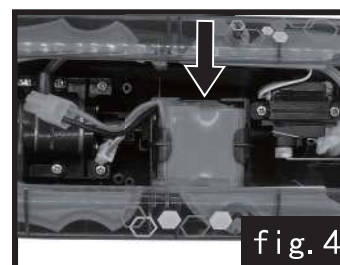


fig. 4

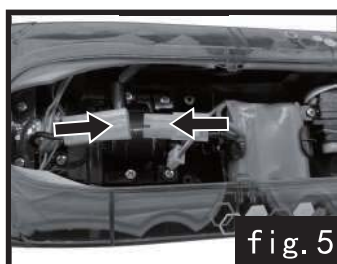


fig. 5

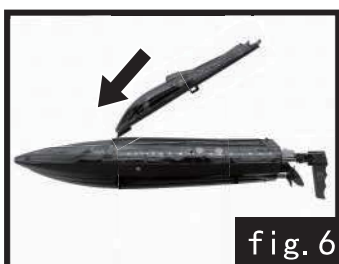


fig. 6



fig. 7

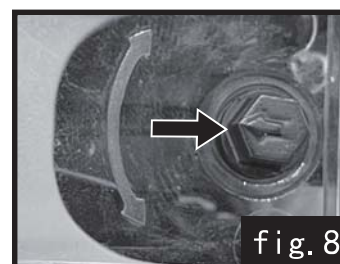


fig. 8

1. Use the complimentary wrench to clamp on the cabin lock at an angle of 45, and then turn the lock to the left or right. (Please ensure that the arrow of the cabin lock is in the left or right direction.), fig. 1 and fig. 2.
2. Open the cabin cover, fig. 3.
3. Install the battery and connect to power input of boat, fig. 4 and fig. 5.
4. Close the cabin cover, fig. 6.
5. Use the complimentary wrench to clamp on the cabin lock at an angle of 45, and then tighten the lock to the left or right. (Please ensure that the arrow of the cabin lock is in the centre position.), fig. 7 and fig. 8.

Pair the Controller with the Boat

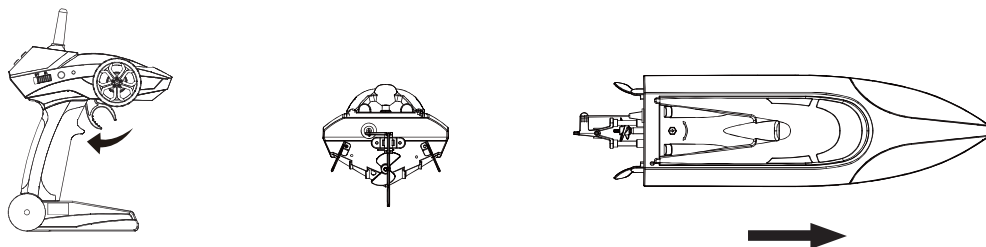
- 1: Place the boat in the water after installing the battery.
- 2: Then turn on the controller. The controller will emit a beep sound when on and the power indicator of the controller will go from flashing to solid, indicating that the controller and the boat is now paired.

IMPORTANT NOTE:

- 1: Please make sure that the boat is in the water otherwise it will fail to pair with the controller
- 2: The boat won't work when the battery is low.

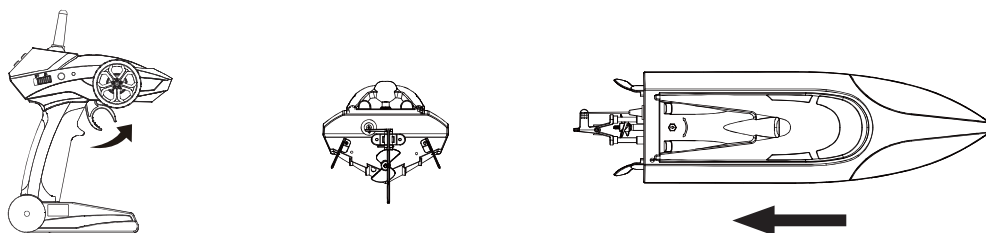
Operation Instruction

1. FORWARD



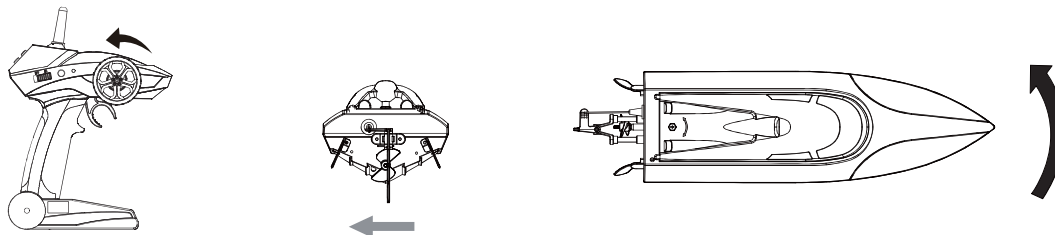
Push the throttle backwards and the boat moves forward.

2. BACKWARD



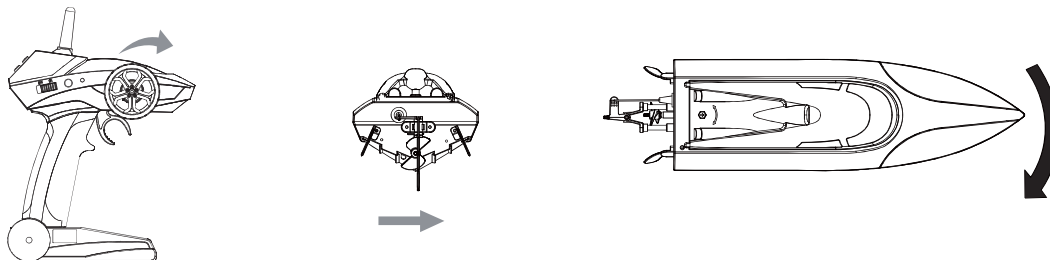
Push the throttle forward and the boat moves backward.

3. TURN LEFT



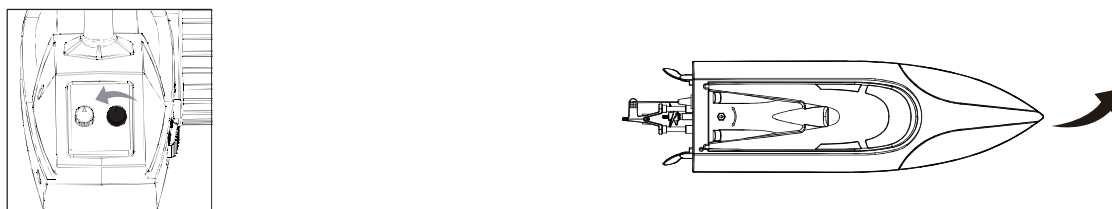
Turn the wheel to the left when the boat is moving, and the boat turns left.

4.TURN RIGHT



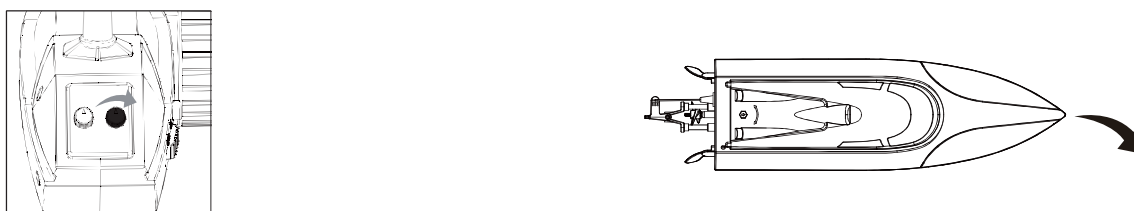
Turn the wheel to the right when the boat is moving, and the boat turns right.

5.LEFT TRIM



If while the boat is moving forward and veering to right then slightly turn the “steering trim” to the left until the boat is moving straight.

6.RIGHT TRIM



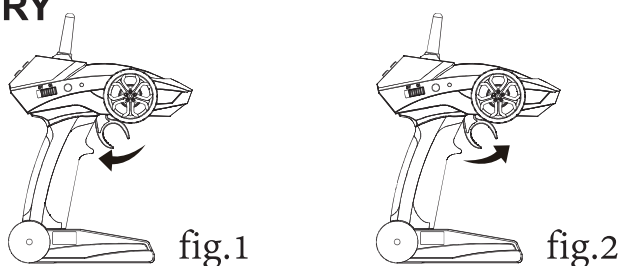
If while the boat is moving forward and veering to left then slightly turn the “steering trim” to the right until the boat is moving straight.

7.RUDDER SETTING



Turn the switch to the left to increase the turning radius. Turn the switch to the right to reduce turning radius. (A too small turning radius can tip the boat over.)

8.CAPSIZ RECOVERY



If the boat capsizes, push and pull the throttle back and forth repeatedly until the boat flips upright.

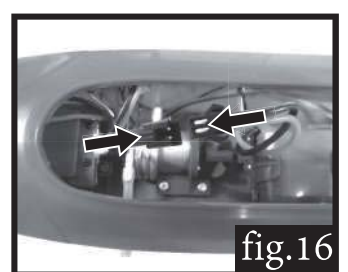
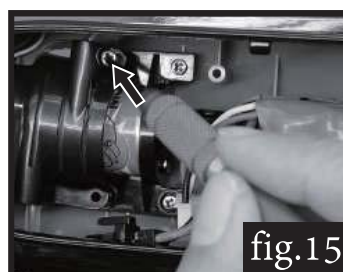
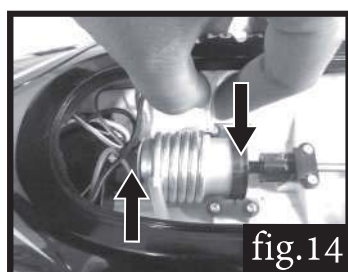
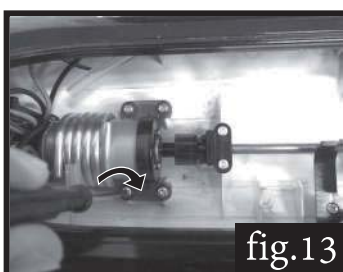
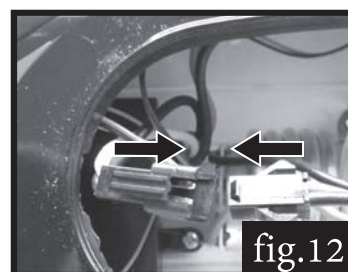
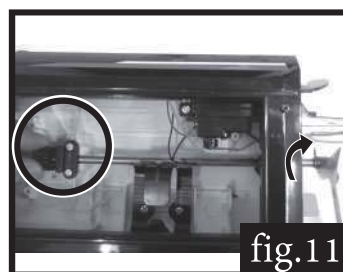
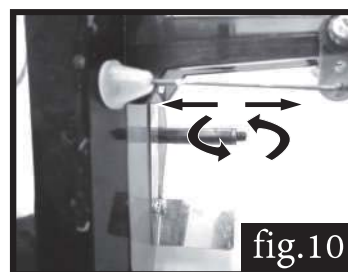
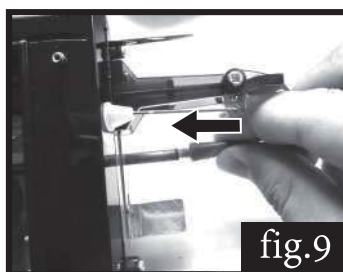
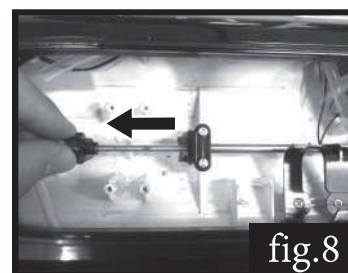
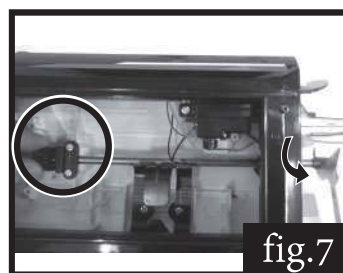
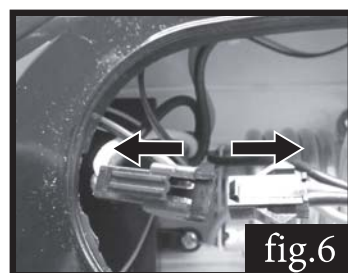
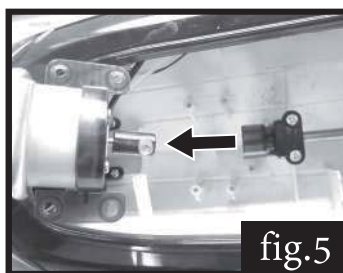
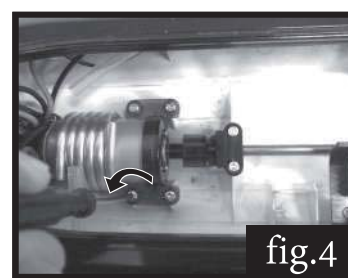
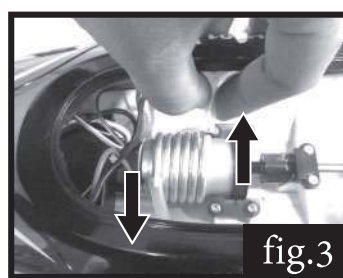
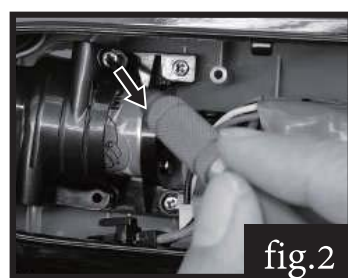
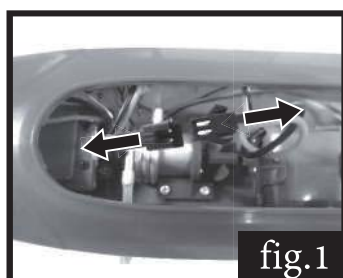
Weak signal and low power alert

1: When the remote control continues to emit beeping sounds, it indicates that the boat is about to exceed the remote control range, please return to the control range immediately.

2: When the remote control continues to emit beeping sound, it indicates that the boat's battery is running low. Return the boat back to retrieve it.

3: When the remote control continues to emit beeping sounds, it indicates that the remote control is about to run out of power, please replace the battery.

Lubricate the spindle (when the drive shaft is not lubricated)



1.Disconnect the motor from the battery,fig.1.

2.Unscrew the motor protection cover,fig.2.

3.Pull the plastic water hose out from the cooling tube on the motor,fig.3.

4.Unscrew the motor seat,fig.4.

5.Lift the end of motor up carefully, then disconnect the motor from the main shaft,fig.5.

6.Disconnect the wire connector for motor and cabin, then take the motor seat out, fig.6.

7. Hold the rubber part of main shaft, use spanner to release the nut at the end to take the propeller out, fig. 7.
8. Pull the main shaft to the left, fig. 8.
9. Add lubrication oil to the tail of main shaft tube, fig. 9.
10. Rotate the main shaft clockwise/anti-clockwise, and move forward/backward to make sure the oil is evenly inside the tube, fig. 10.
11. Hold the rubber part of main shaft, use wrench/spanner to tighten the nut at the end to secure the propeller in position, i.e. the propeller with copper outside should attach to the main shaft, fig. 11.
12. Connect the wire connector for motor and cabin, fig. 12.
13. Put the motor seat back in position, check if propeller runs smooth, then secure it with screws, fig. 13.
14. Connect the plastic water hose to the cooling tube on the motor, fig. 14.
15. Install the motor protection cover and fit it on seat with 2 screws, fig. 15.
16. Connect the motor to battery wire, fig. 16.

NB: 1. Battery wire exhaust to boat side, to prevent the wire being damaged the steering wheel.
2. Make sure all plugs fit tightly.
3. Insure the boat cover fits tightly to prevent leakage.

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

"This device complies with FCC radiation exposure limits set forth for general population (uncontrolled exposure).

This device must not be collocated or operating in conjunction with any other antenna or transmitter."

Declaration of Conformity Inserts:

"Hereby, Guangdong Syma model aircraft Industrial co.,ltd, declares that this boat is in compliance with the essential requirements and other relevant provisions of Directive 2014 53/EU.

A copy of the full DoC is attached

Operating Frequency 2405MHz to 2475MHz
Maximum power: 10.098dBm (For Remote control)
Maximum power: -22.301dBm (For Boat)
operating temperature 0-40°C



SPECIFICATIONS AND COLORS OF CONTENTS MAY VARY FROM PHOTO.

Manufacturer
Guangdong Syma Model Aircraft Industrial Co., Ltd.
No.2 West Xingye Road and North Xingye Road, Laimei.
Industrial Park Chenghai District Shantou City Guangdong China.

The company has the right of final interpretation
of this instruction manual statement.