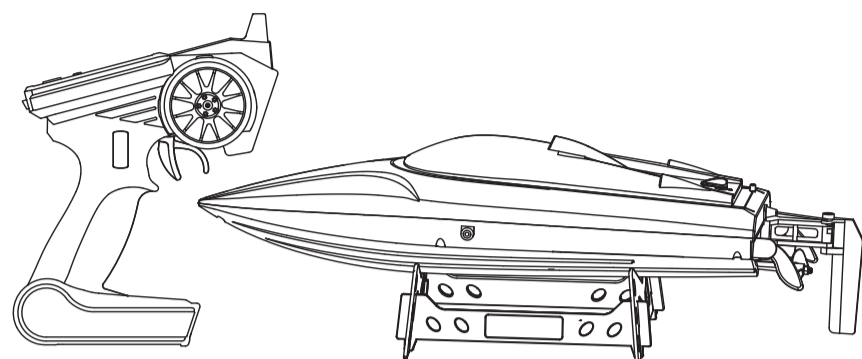# udiR/C

UDI002

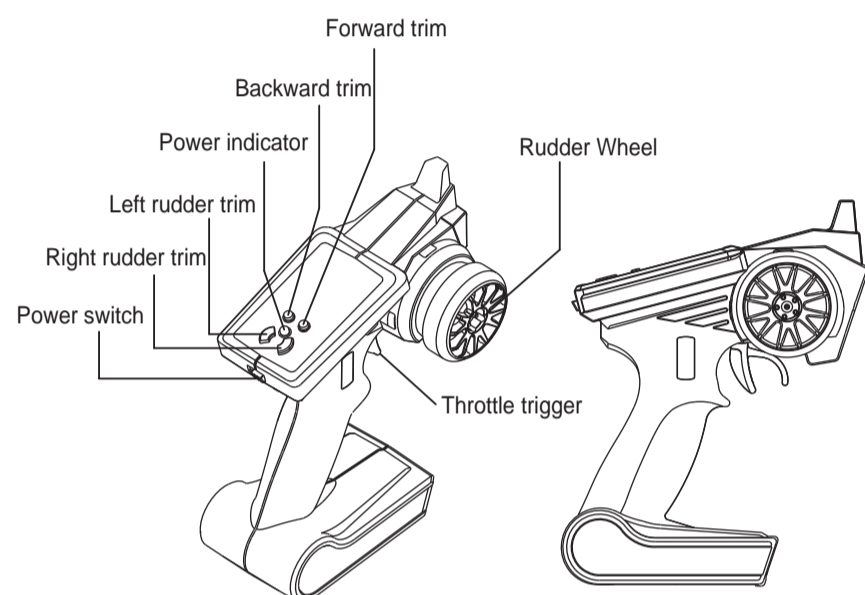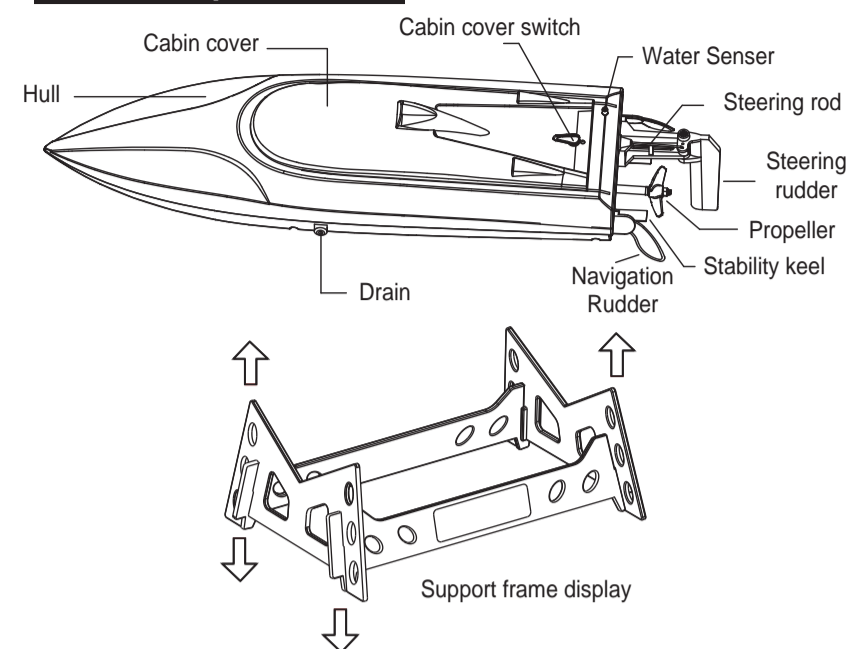## 2.4G Wireless RC Boat Manual

Please study the manual careful before operation, the manual pictures may be different from physical, please take material object as the standard.
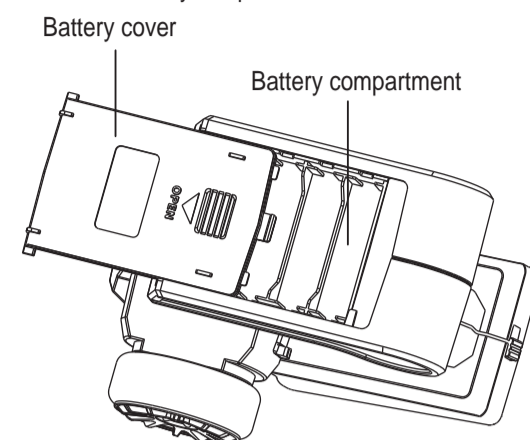
1. This model includes a 390 magnetic motor drive system Lithium-ion battery, for speeds of up to 25KM/H.
2. The boat and transmitter take advantage of advanced 2.4GHz automatic code pairing technology to control the boat over long distances.
3. RC boat specifications:
   Length: 424mm
   Width: 114mm
   Height: 119mm
4. Special anti-tilt function prevents tilting and keeps the boat sailing.
5. Water-cooled motor extends the life of the boat.
6. Built-in left and right navigation rudders enhancing sailing stability.
7. Low-voltage alarm function: when the battery runs low, the transmitter will sound "Di, di, di". This warns that you have about 1 minute left, so you can sail it back for retrieval.
8. Transmitter detects when 2.4G signal becomes weak and flashes an out-of-range light.

RC boat exploded view

Cabin cover · Cabin cover switch · Water Senser · Hull · Steering rod · Steering rudder · Propeller · Stability keel · Drain · Navigation Rudder

Support frame display

Forward trim · Backward trim · Power indicator · Left rudder trim · Right rudder trim · Power switch · Rudder Wheel · Throttle trigger

Battery installation of transmitter

Battery installation: Open the battery compartment of the transmitter by sliding the cover open. Install 4 1.5 "AA" batteries into the battery compartment. Make sure the "+" and "-" ends of the batteries match the illustrations inside the battery compartment. Replace the cover and close the battery compartment.
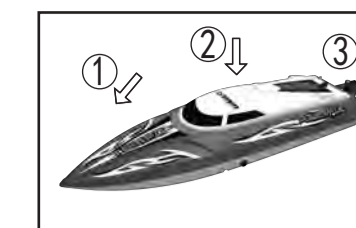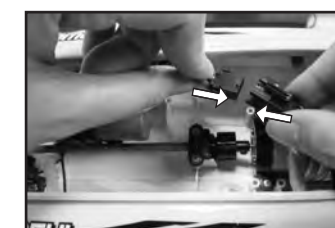
Battery cover

Battery compartment

Battery charge

Plug the large "USB" end of the charging cable into any USB charging port, such as a USB port on a computer. Connect the battery to the small end of the charging cable so that it clicks into place. The LED indicator on the charging cable will light solid red to indicate the battery is charging. The battery will take about 200 minutes to fully charge, and then the LED will go off. When finished charging, please unplug the charging cable.

Battery installation for RC boat

1. Turn the switch to the left or right, and then remove the cabin cover to reveal the battery compartment.

2. Clip the Lithium-ion battery into the battery compartment with the battery cable toward the front of the boat.

3. Connect the battery cable to the power plug. NOTICE: Lay the battery cable against the side of the hull to avoid damaging the cable.

4. (1) Replace the cabin cover and press the cover forward so that it engages with the hull.(2) Press the cover down so that it seals against the hull.(3) Turn the switch to the forward position so that it holds down the cabin cover.

Notice: The battery cable should be layed by side of boat to avoid being stucked or broken up.

Transmitter and RC boat code pairing

Power on the transmitter. You should hear a "Di" sound and the power indicator will light. Now put the boat (with battery installed) into the water. The boat will automatically turn itself on, and you should hear a "Di, di, di" sound. The power indicator on the transmitter should be a solid light, which shows that code pairing between the boat and transmitter is successful and the boat is ready to operate.

Safety Warnings

For safety and security purposes, the boat will not operate until it is put into the water. This helps prevent the propeller from harming people or hitting solid objects.
1. This product is suitable for people aged 14 years or more. This product must always be used under adult supervision and guidance.
2. Please do not mix new and old batteries, or mix different types of batteries (e.g. alkaline batteries with rechargeable batteries).
3. Do not attempt to charge the battery immediately after use, because the battery may get hot. Please wait until the battery cools down.
4. To avoid injury, please make sure no persons or pets are swimming where the boat is operating. Make sure there are no plants or debris in the water to avoid tying up or damaging the propeller.
5. The effective remote distance is up to 150 meters. Please do not exceed this range, or the bot will be out of range and you will lose control.
6. When the battery runs low, the transmitter will sound a "Di, di, di" alarm, and the speed of the boat will slow down. This indicates that the battery only has about 1 more minute, so sail the boat back immediately for retrieval.
7. When the boat is not in use, please power of the transmitter and the boat.
8. When the boat is operating, please focus on safety first. If the boat loses control, you must find a safe way to retrieve it. Please do not attempt to retrieve the boat from the water unless you know it is absolutely safe.
9. When the sails too far away, an out-of-range light on the transmitter will flash to indicate that the signal is getting weak. If the boat is too far from the transmitter, the boat will become unstable and you will not be able to control it. Please make sure you control the boat so that it stays within the proper range.

Operation instructions

Forward

1. To go forward: pull backward (squeeze) the throttle trigger on the transmitter.

Backward

2. To go backward (reverse): push forward on the throttle trigger.

Left rudder

3. To go left, turn the rudder wheel counter-clock wise (towards yourself). Use the throttle trigger to go forward and left.

Right rudder

4. To go right, turn the rudder wheel clockwise (away from yourself). Use the throttle trigger to go forward and right.

capsize recovery

5. If the boat capsizes in the water, push the throttle trigger forward and then quickly pull it backward. The boat will automatically right itself.

Left trim · Left rudder trim

6. Let the boat sail straight ahead (release the rudder wheel). If the boat still turns to the right, press the left rudder trim button until the boat sails straight.

Right trim · Right rudder trim

7. Let the boat sail straight ahead (release the rudder wheel). If the boat still turns to the left, press the right rudder trim button until the boat sails straight.

Backwards trim · Backwards trim

8. Let the boat idle (release the throttle trigger). If the boat still moves forward, press the backwards trim button until the boat stops moving.

Forwards trim · Forwards trim

9. Let the boat idle (release the throttle trigger). If the boat still moves backward, press the forwards trim button until the boat stops moving.

Maintenance and repair

1. If the RC boat stops running and will not power on, you must remove the battery.
2. Avoid exposing the surface of the boat to long exposes of sunlight, to prevent damaging the boat's surface. Please clean and dry the surface of the boat each time after use.
3. If the RC boat is not used for a long period of time, please remove the battery to avoid possible damage to the boat from battery leakage.

Spare parts

UDI002-01 Servo unit

UDI002-02 Propeller unit

UDI002-03 Motor

UDI002-04 Screw holder

UDI002-05 Pipe unit

UDI002-06 Rudder servo unit

UDI002-07 Cabin cover set

UDI002-08 Hull set

UDI002-09 Navigation rudder

UDI002-10 USB

UDI002-11 circuit board

UDI002-12 Servo linkage rod

UDI002-13 Support holder

UDI002-14 Li-Po battery

UDI002-15 Stability keel

UDI002-16 Cooling tube

UDI002-17 Battery