



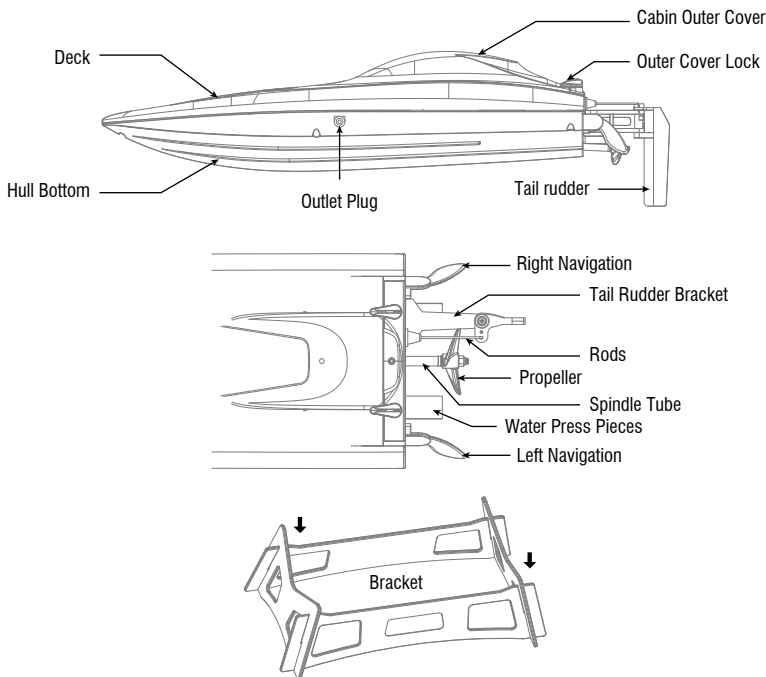
UDI009

USER MANUAL

- ▲ This product is suitable for users over 14 years old.
- ▲ Stay away from the rotating propeller
- ▲ Read the <important statement and safety guidelines > carefully.

Ready Before Sailing

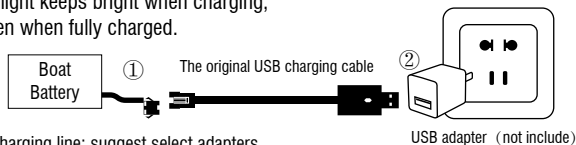
Preparation the Boat



Battery Charge

The battery of the original boat model is insufficient, so it must be charged and saturated before use.

Connect the boat battery with USB cable first and then connect the other USB charge plug. The USB red indicator light keeps bright when charging, and the light turns green when fully charged.

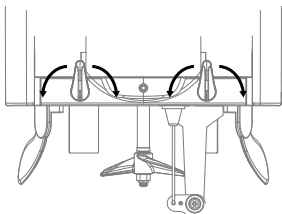


▲ Only use the original charging line; suggest select adapters with output current of 5V 2A .

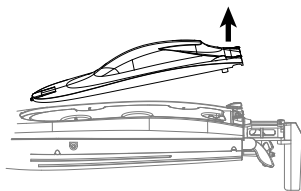
Battery should not be placed in the hull when charging. The battery must be cooled before charging.

Boat Battery Installation Method

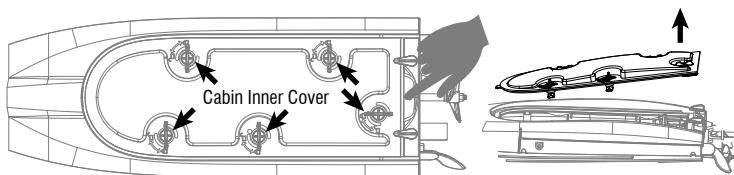
① Twist to left or right to open the outer cover lock



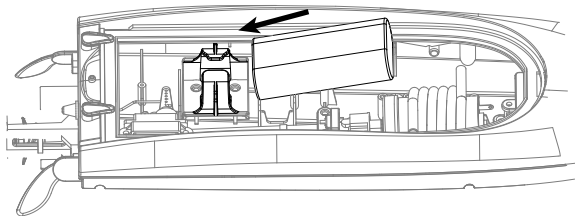
② Open up the cabin cover



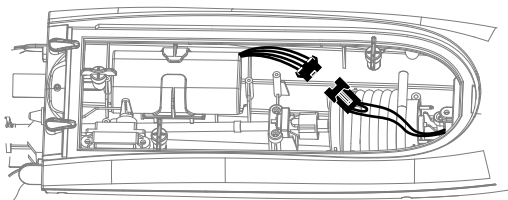
③ According to the mark on the surface of the inner cover, unlock the lock and take out the inner cover upward.



④ Put the battery into the battery holder of the hull.the power line of the battery puts on the side of the hull,push the battery to the end and stick it to it.

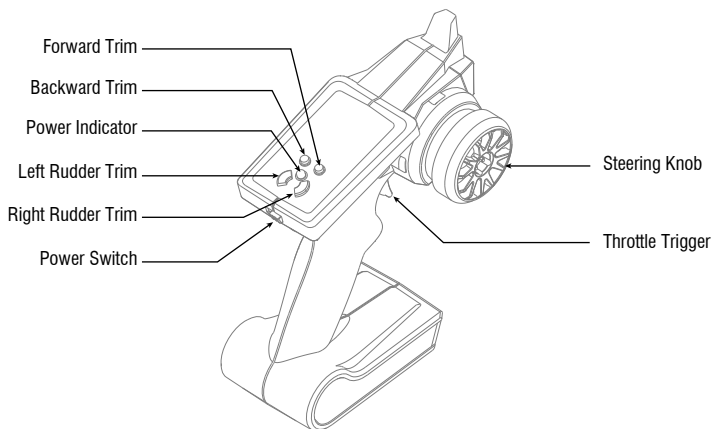


⑤ Connect the battery connector to hull plug



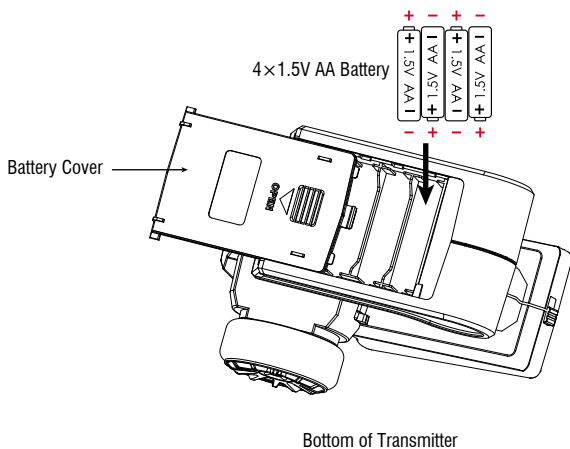
⑥ Cover the inside and outside of the cabin and lock tightly

Transmitter Preparation



Battery Installation of Transmitter

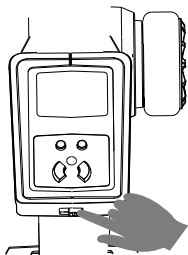
Open the battery cover of the transmitter and place the same type of battery with saturated capacity according to the '+' '-' electrode indication in the battery cell (battery not included).



Sailing Operation

Transmitter connect with Boat

Frequency Pairing

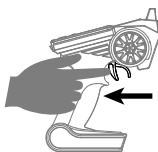


Please make sure the transmitter throttle stick and rudder knob to normal.

- ① Power on the transmitter, then the power indicator starts flashing.
- ② After the battery is installed and powered on, tighten the hatch cover and put it into the water.
- ③ The indicator light of the transmitter turns long and bright, and it send a sound, indicating that the frequency pairing is successful.

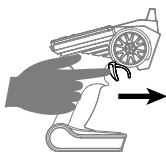
It is recommended to be familiar with the operation on the surface of the water before long distance navigation.

How to Operate the Boat



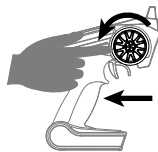
To move Forward

Pull back the throttle trigger of the transmitter. The boat moves forward.



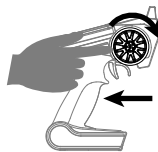
To move Backward

Push forward the throttle trigger of the transmitter. The boat moves backwards.



To turn Left

Pull back the throttle trigger of the transmitter and move the steering knob counterclockwise, then the boats turns left.

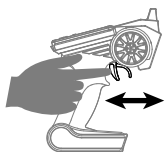


To turn Right

Pull back the throttle trigger of the transmitter and move the steering knob clockwise then the boat turns right.

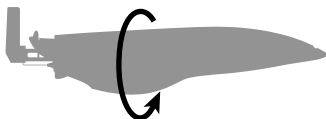


Boat Re-position

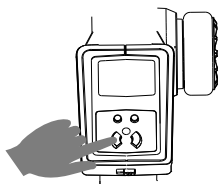


If the boat capsizes:

Push forward and backward the throttle trigger of the transmitter and then pull back at once. The boat will then return to normal, the capsie reset function will turn off automatically when the boat is in low battery.

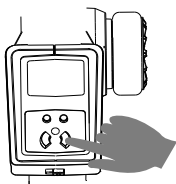
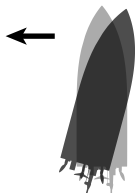


Trimmer



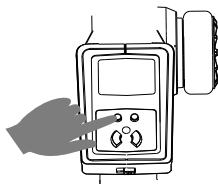
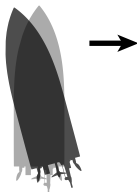
Left Rudder Trim

If the boat drifts to the right, press the left rudder trim on the transmitter and the boat will gradually correct the rudder alignment. It will start moving straight.



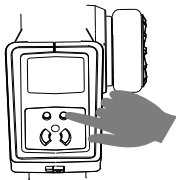
Right Rudder Trim

If the boat drifts to the left, press the right rudder trim on the transmitter and the boat will gradually correct the rudder alignment. It will start moving straight.



Backward Trim

If the boat still moves forward when the throttle trigger is in the middle position, press backward trim until the boat stops going forward.



Forward trim

If the boat still moves backwards when the throttle trigger is in the middle position, press forward trim until the boat stops going backwards.



Low Battery Alarm

Boat: When the boat in low battery, the transmitter will beep " di.di.di..." constantly to remind the user to remote back the boat as soon as possible. And the boat speed will slow down to half and the capsized reset function will turn off automatically when the boat in low battery.

Transmitter: When the transmitter in low battery, the transmitter will beep " di...di...di..." to remind the user to remote back the boat to replace the batteries as soon as possible.

Out of Range Alarm

When the boat is running out of the max remote control distance, the transmitter will beep "didi...didi...didi..." to alarm the user to remote back the boat immediately.

Out of water protection

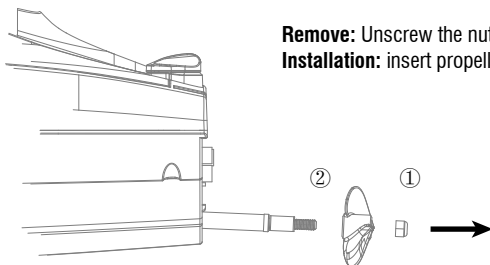
Only when the boat is in the water can it work normally. Stop working after leaving the water surface, prevent misoperation and play a role of safety protection.

Water cooling system

The motor lowers the temperature by flowing water. During the voyage, water flows through the heat pipe around the motor, which has a cooling effect on the motor.

Parts Replacement

Propeller Replacement



Remove: Unscrew the nut and take out the propeller.

Installation: insert propeller and tighten nut.

Safety Precautions

- ① Turn on the transmitter power first and then turn on the boat power before playing;
Turn off the boat power first and then turn off the transmitter power when finish playing.
- ② Make sure the connection is solid between battery and motor etc. The ongoing vibration may cause bad connection of power terminal.
- ③ Improper operation may cause impact to the boat and damage the hull or propeller.
- ④ It is forbidden to sail in the water where people are useful and sail away from salt water and sundry water.
- ⑤ The battery must be take out after playing to keep the cabin dry and clean.

Parameter

Boat

Maximum sailing time	8 minutes
Maximum speed	30km/h
Operating Temperature Range	0°C to 40°C
Operating frequency	2.4Ghz

Transmitter

Operating frequency	2.4Ghz
Maximum transmission distance	100m (no interference and barrier-free outside)
Operating Temperature Range	0°C to 40°C
Batery	Battery 4*1.5V AA

Boat Battery

Capacity	1500mAh
Voltage	7.4V
Type of battery	LiPo
Charging temperature range	5°C to 40°C
Charging Time	About 4 hours

Charge

Input	5V === 2A
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Tips: the above data are the test data of UDIRC toy lab, for reference only.

Troubleshooting Guide

No.	Problem	Problem Cause	Solution
1	The transmitter indicator light is off.	① Low battery.	① Replace the transmitter battery.
		② The battery positive pole and negative pole are in reverse order.	② Install the battery in accordance with the user manual.
		③ Poor Contact.	③ Clean the dirt between the battery and the battery slice.
2	Fail to pair the boat with transmitter.	① Indicator light is off.	① The same as above 1.2.3.
		② There is interfering signal nearby.	② Restart the boat and power on the transmitter.
		③ Improper operation.	③ Operate the boat step by step in accordance with the user manual.
		④ The electronic component is damaged for frequent crash.	④ To buy spare parts from local seller and replace damaged parts.
3	The boat is under-powered or can not go forward.	① The propeller deformed seriously.	① Replace the propeller.
		② Incorrect installation of propeller.	② Install the propeller in accordance with the user manual.
		③ Low battery.	③ Recharge the Li-Po battery as per instruction.
		④ The battery is expired or over discharge protection.	④ Buy a new battery from local seller to replace the battery.
		⑤ Poor contact.	⑤ Disconnect the battery and then connect it with the plug again.
4	The boat tilts to one side.	① The steering gear arm is not vertical seriously.	① Calibrate the steering gear arm as per instruction.
		② The tail rudder is not vertical seriously.	② Calibrate the tail rudder as per instruction.
		③ The steering gear slips.	③ Replace the new steering gear as per instruction.



Li-Po Battery Disposal & Recycling

Wasted Lithium-Polymer batteries must not be placed with household trash. Please contact local environmental or waste agency or the supplier of your model or your nearest Li-Po battery recycling center.



Important Notice

Our company's products are improving all the time, design and specifications are subject to change without notice.

All the information in this manual has been carefully checked to ensure accuracy, if any printing errors, our company reserve the final interpretation right.

FCC Information

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 residential 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 the circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC WARNING:

The equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. Modifications not authorized by the manufacturer may void user's authority to operate this device.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Radiation Exposure Statement

The device has been evaluated to meet general RF exposure requirement.
The device can be used in portable exposure condition with out restriction.



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MADE IN CHINA