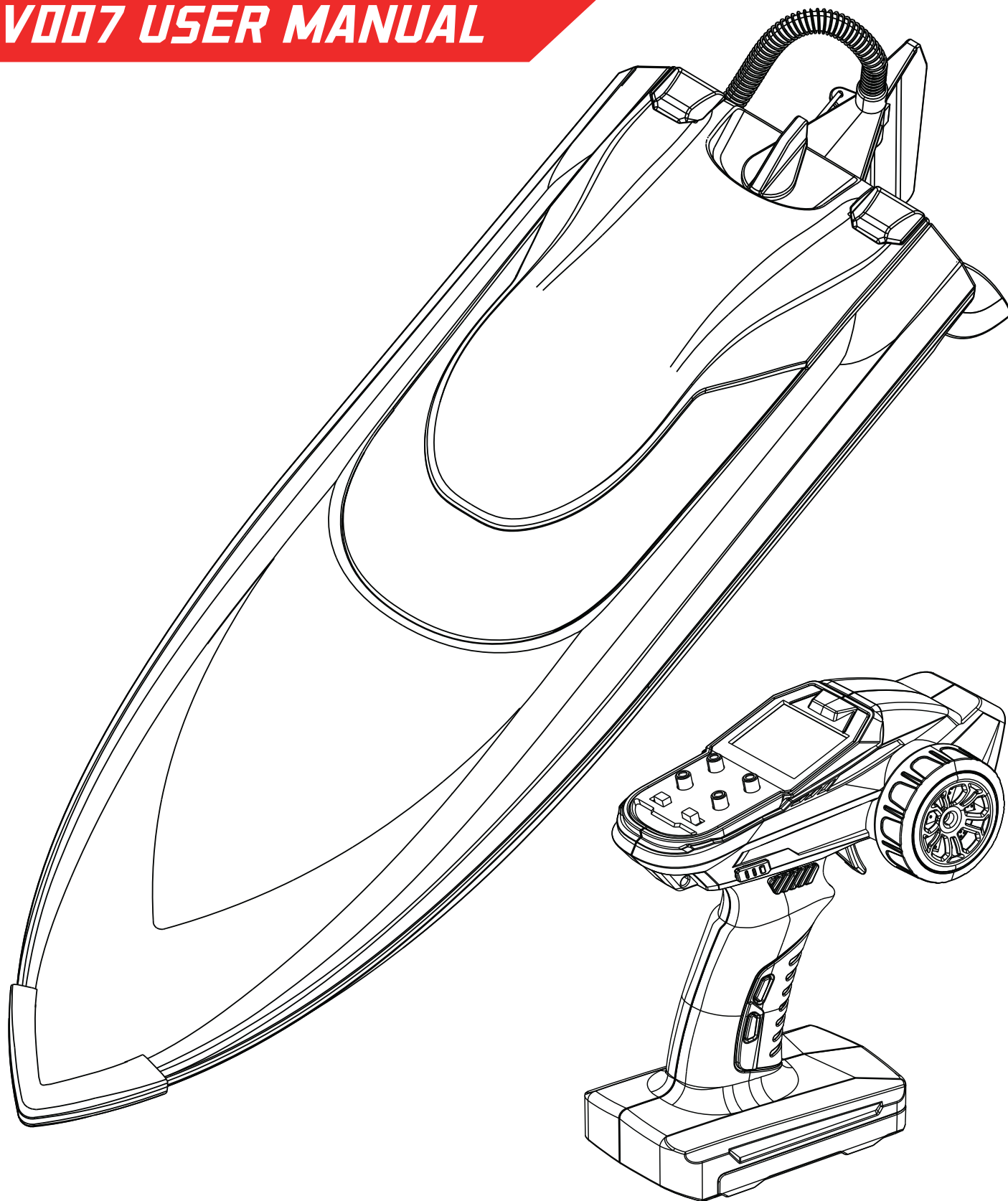


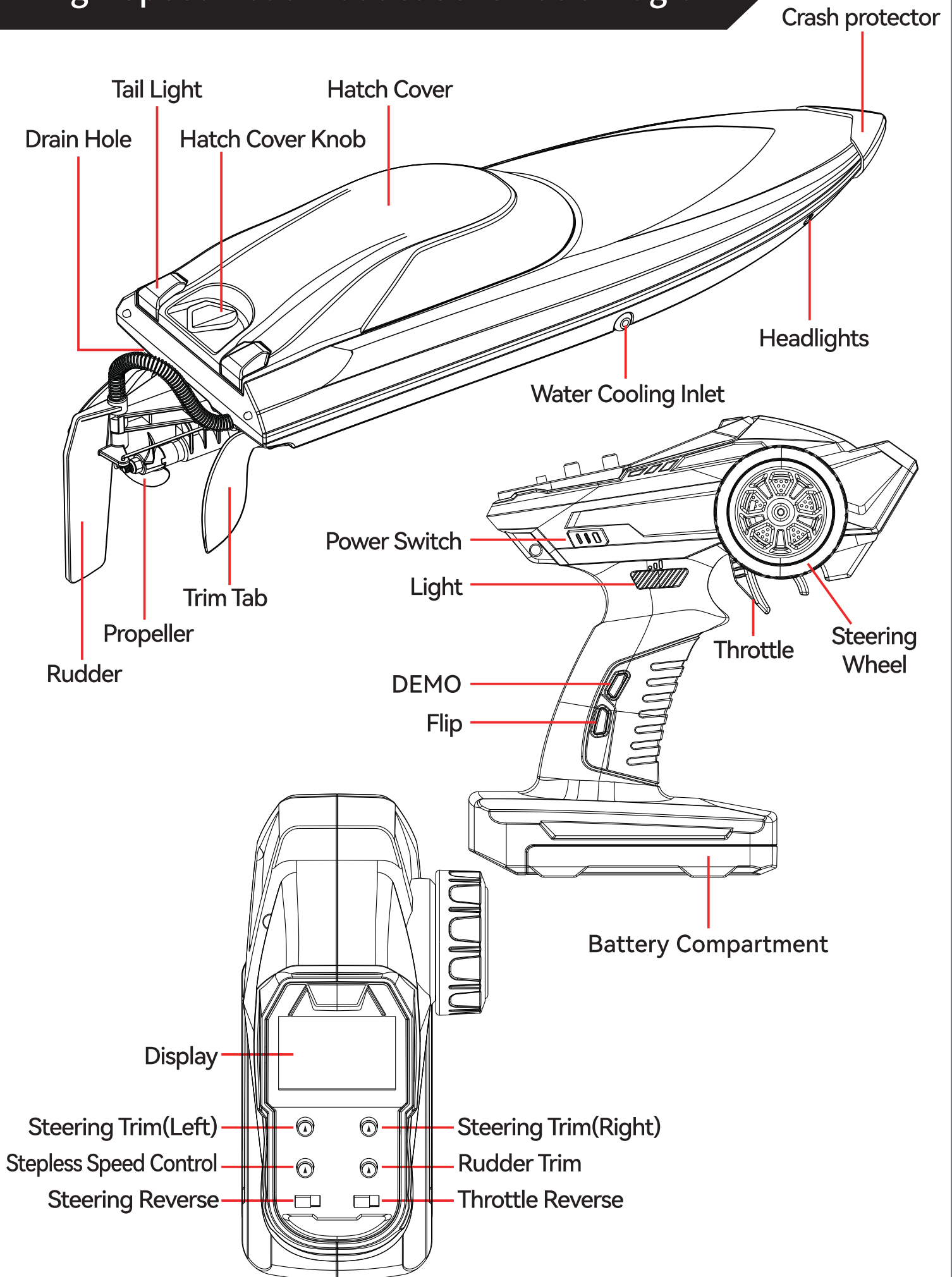


HIGH SPEED RACING BOAT

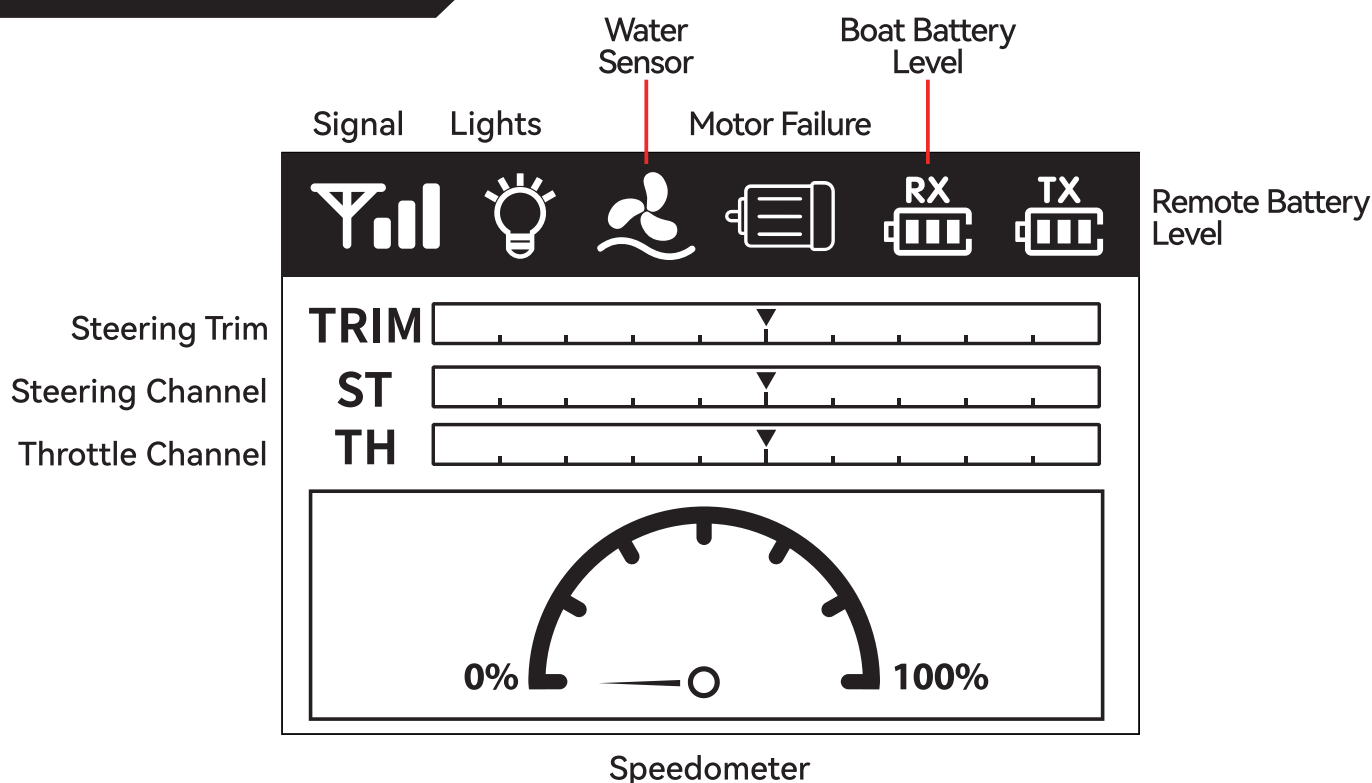
V007 USER MANUAL



High-Speed Boat Product Schematic Diagram

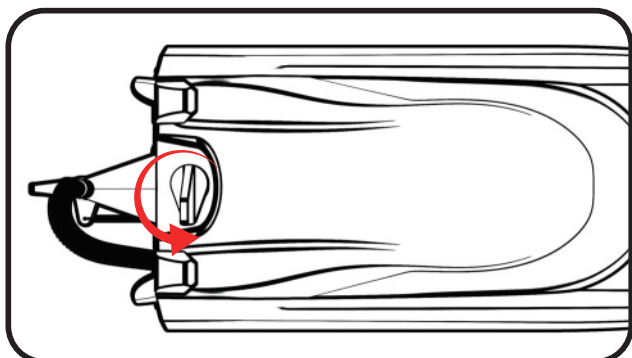


Panel Description

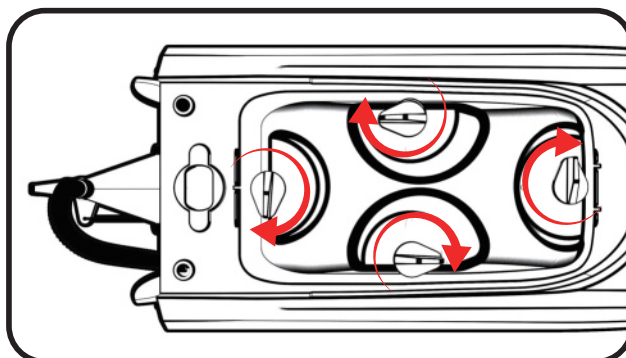


- **Signal:** Indicates the communication status between the boat and the remote control.
- **Lights:** Indicates the “on-off” status of the boat's lights.
- **Water Sensor:** When the water sensor is not activated, the water sensor indicator is off. When it is activated, the water sensor icon lights up.
- **Motor Malfunction:** The propeller will seize up when blocked by foreign objects. The boat automatically shuts down to avoid burnout, the remote controller keeps beeping with a "di-di" alert tone, and the motor failure icon is displayed.
- **Boat Battery Level:** After pairing, this icon indicates the current battery level of the boat.
- **Remote Battery Level:** After power-on, this icon indicates the current battery level of the remote control.
- **Steering Trim:** No deflection when centered; the right fine-tuning arrow is on the right, and the left fine-tuning arrow is on the left. The offset corresponds to the fine-tuning value.
- **Steering Channel:** When centered, no steering occurs; when turning right, the arrow is on the right; when turning left, the arrow is on the left. The offset corresponds to the steering wheel travel.
- **Throttle Channel:** When centered, the boat remains stationary; when moving forward, the arrow points right; when moving backward, the arrow points left. The offset corresponds to the throttle travel.
- **Speedometer:** When the throttle is not engaged, the pointer indicates 0%. When the throttle is at maximum, the pointer indicates 100%.

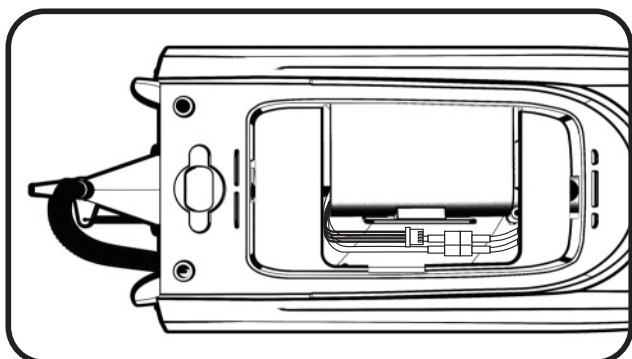
Preparation for Use



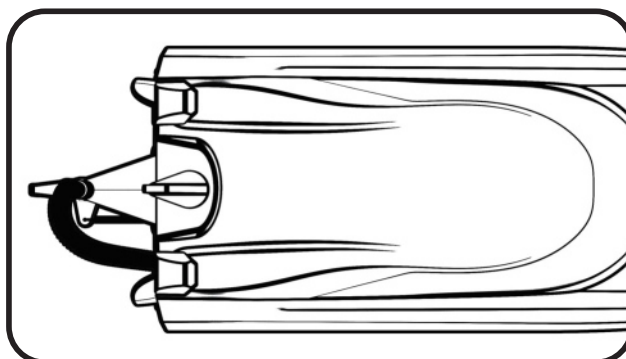
- 1** Turn the knob to remove the hatch cover.



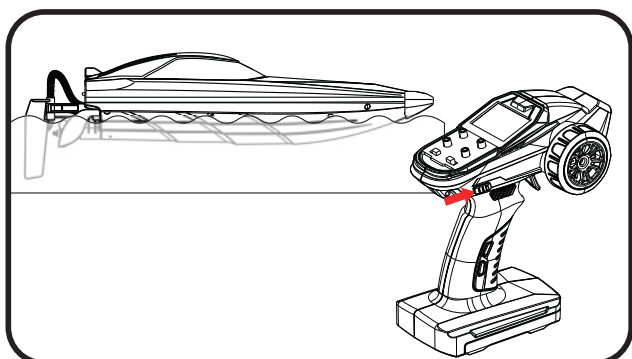
- 2** Turn the knob to remove the battery compartment cover.



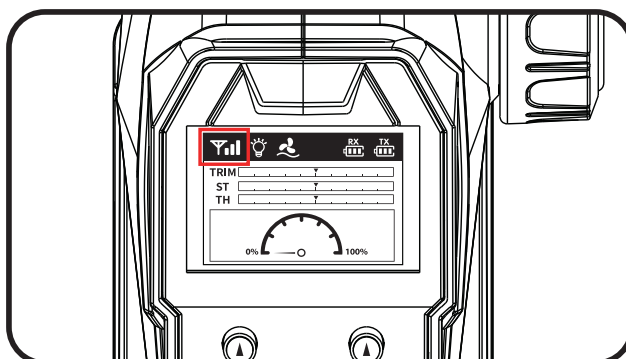
- 3** Plug in the power and arrange the power cord neatly.



- 4** Reinstall the battery compartment cover and hatch cover.

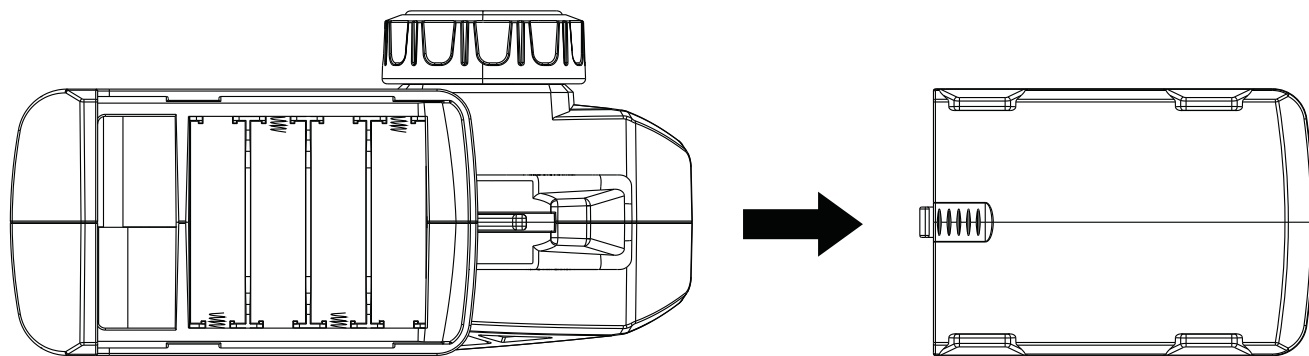


- 5** Turn on the remote control, then launch the boat into the water.



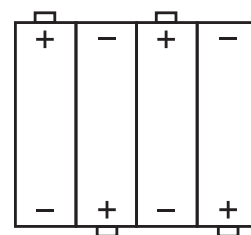
- 6** After pairing is complete, the signal icon on the remote control display illuminates.

List of Remote Control and Boat Batteries



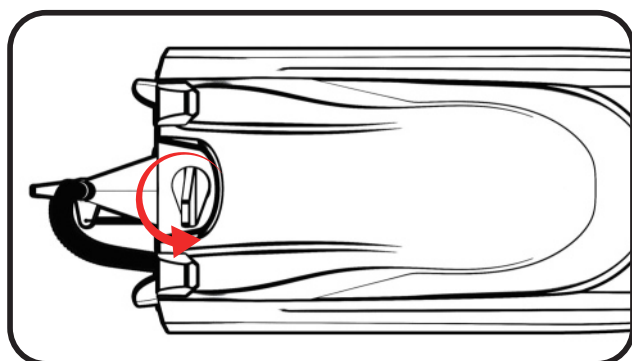
Steps for Installing Batteries in the Remote Control

First, remove the battery compartment cover from the bottom of the remote control. Insert 4 AA batteries with the positive and negative poles correctly aligned, then refit the battery compartment cover.

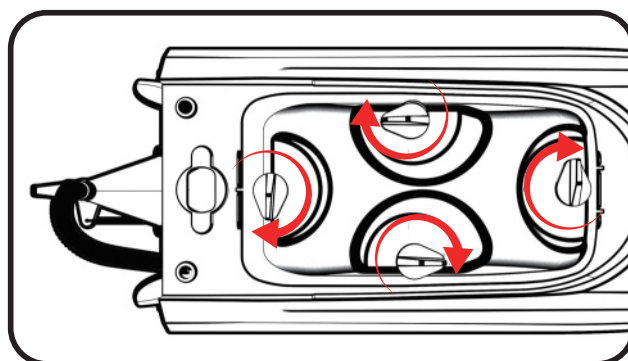


4x "AA"
(Not included)

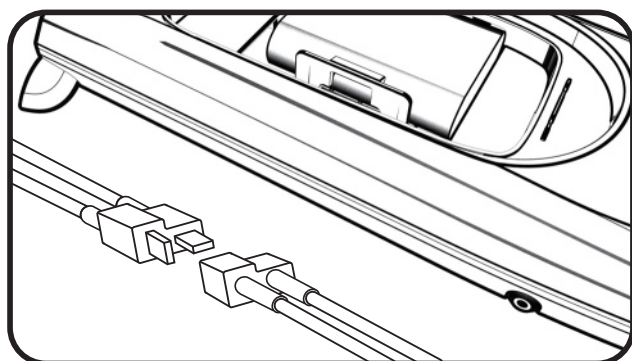
Steps for Removing and Charging the Boat's Battery



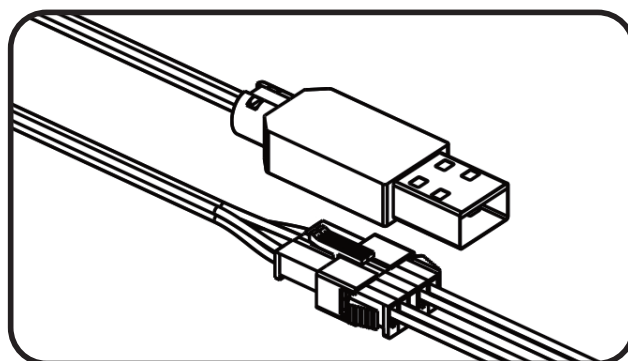
1 Turn the knob to remove the hatch cover.



2 Turn the knob to remove the battery compartment cover.



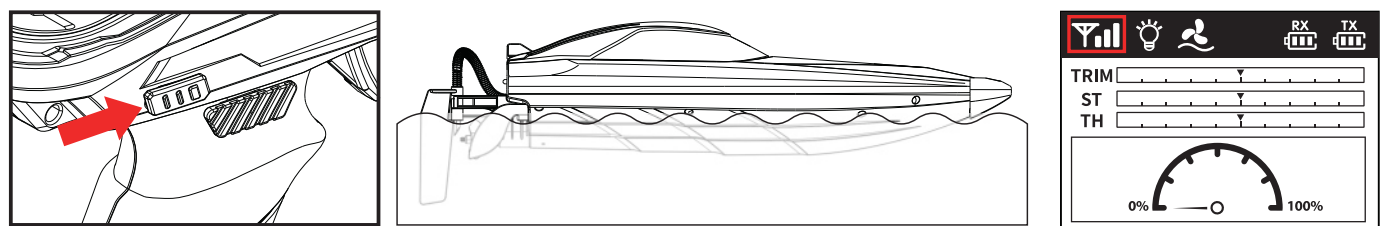
3 Disconnect the power cable from the boat and remove the battery.



4 Connect the battery power interface to the USB charging cable, then plug the cable into a power supply to start charging. The red LED on the USB port stays steadily lit while the green LED flashes during charging. Once fully charged, both the red and green LEDs remain constantly on.

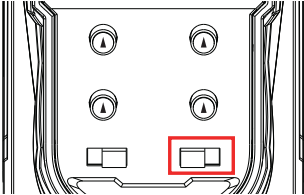
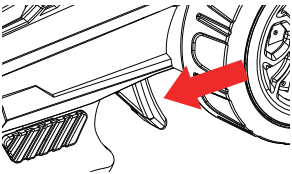
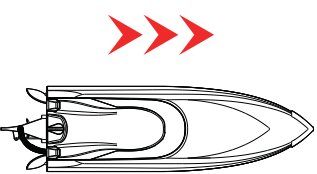
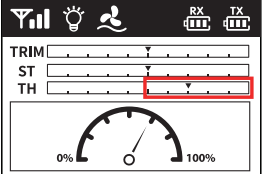
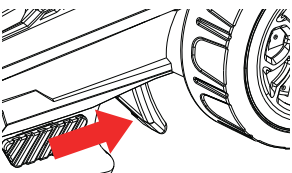
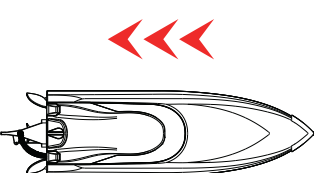
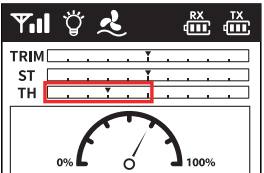
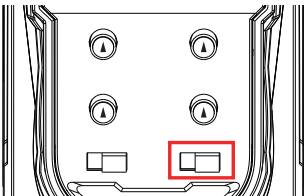
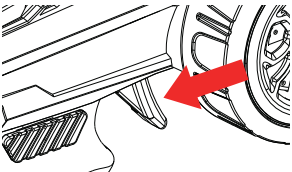
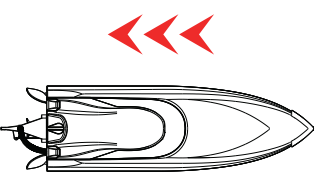
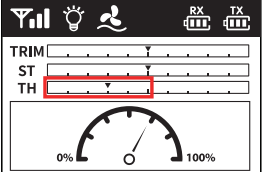
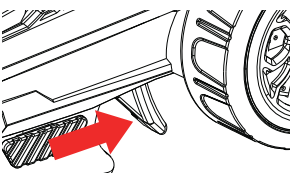
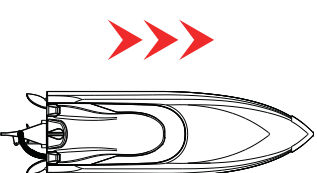
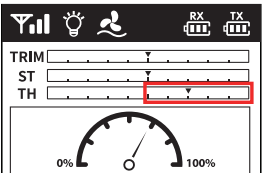
Instructions

• Power on



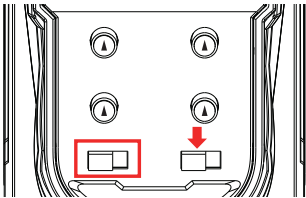
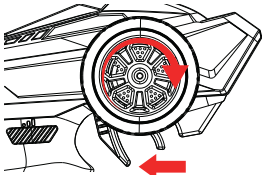
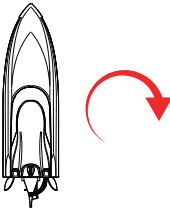
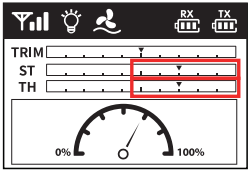
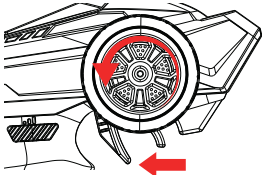
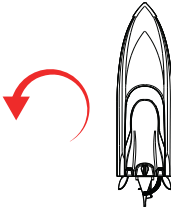
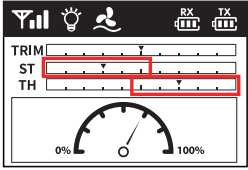
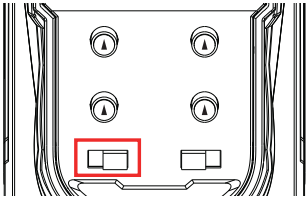
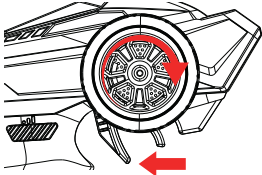
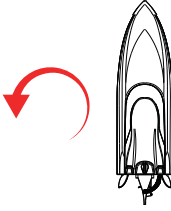
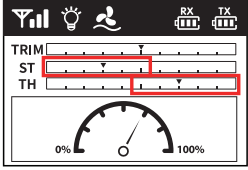
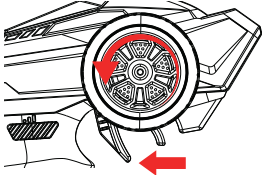
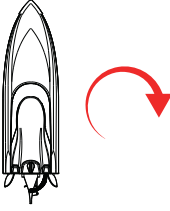
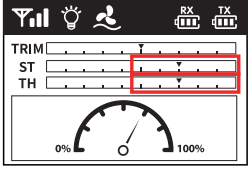
After power-up, the boat's front and rear lights flash. Switch on the remote until the signal icon lights up (pairing complete, lights stop flashing). You can now control the rudder, trim and lights. To avoid accidental motor startup and risks, put the boat in water first. The motor activates only when the water sensor icon lights up, then you may use the throttle.

• Forward & Backward

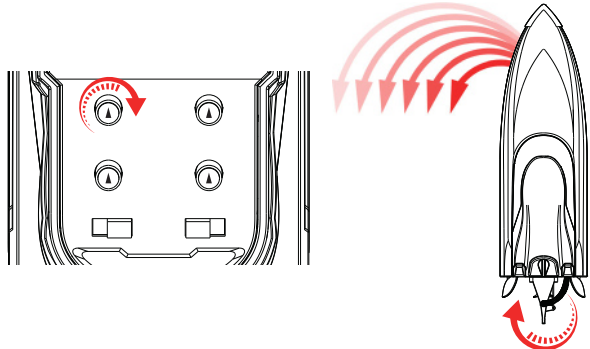
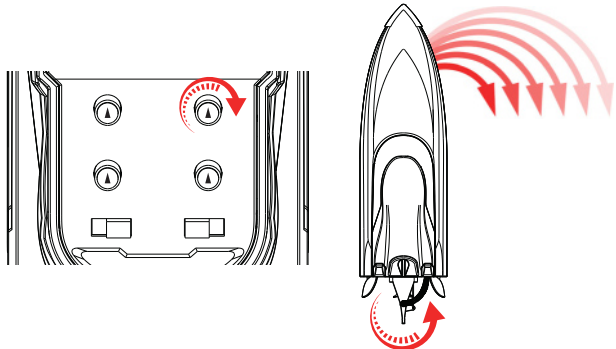
Throttle reverse button status	Throttle operation	Vessel Status	Screen Status
 The throttle reverse key is on the left. (Factory default settings)	 Push the throttle backward	 Boat moves forward	 The throttle channel pointer deviates to the right.
	 Push the throttle forward	 Boat moves backward	 The throttle channel pointer deviates to the left.
 The throttle reverse key is on the right.	 Push the throttle backward	 Boat moves backward	 The throttle channel pointer deviates to the left.
	 Push the throttle forward	 Boat moves forward	 The throttle channel pointer deviates to the right.

Instructions

• Turn left & Turn right

Steering reverse switch status	Remote Control Operation	Vessel Status	Screen Status
 Steering reverse key is on the left. (Factory default settings)	 Turn the steering wheel clockwise while pushing the throttle back.	 The boat turns right.	 The steering channel pointer deviates to the right. The throttle channel pointer deviates to the right.
Using the throttle reverse switch positioned on the left as an example. When the switch is on the right, the operation direction is opposite.	 Turn the steering wheel counterclockwise while pushing the throttle back.	 The boat turns left.	 The steering channel pointer deviates to the left. The throttle channel pointer deviates to the right.
 Steering reverse key is on the right.	 Turn the steering wheel clockwise while pushing the throttle back.	 The boat turns left.	 The steering channel pointer deviates to the left. The throttle channel pointer deviates to the right.
Using the throttle reverse switch positioned on the left as an example. When the switch is on the right, the operation direction is opposite.	 Turn the steering wheel counterclockwise while pushing the throttle back.	 The boat turns right.	 The steering channel pointer deviates to the right. The throttle channel pointer deviates to the right.

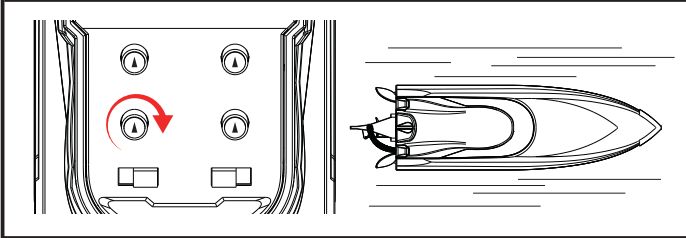
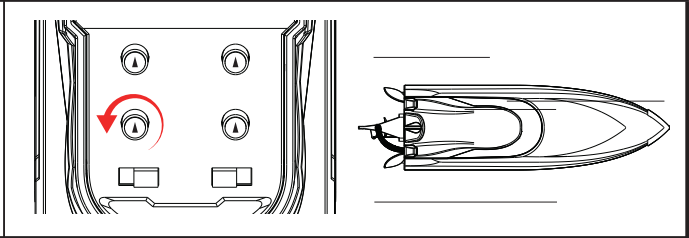
• Turn Adjustment

Left-turn adjustment	Right-turn adjustment
	

In the default factory settings, the pointer of the left/right turn adjustment knob points straight up. You can use the knob to control the rudder's swing angle and thereby adjust the corresponding steering angle. Turning the knob clockwise increases the rudder's swing angle in the corresponding direction, resulting in a larger turning radius. Turning it counterclockwise has the opposite effect.

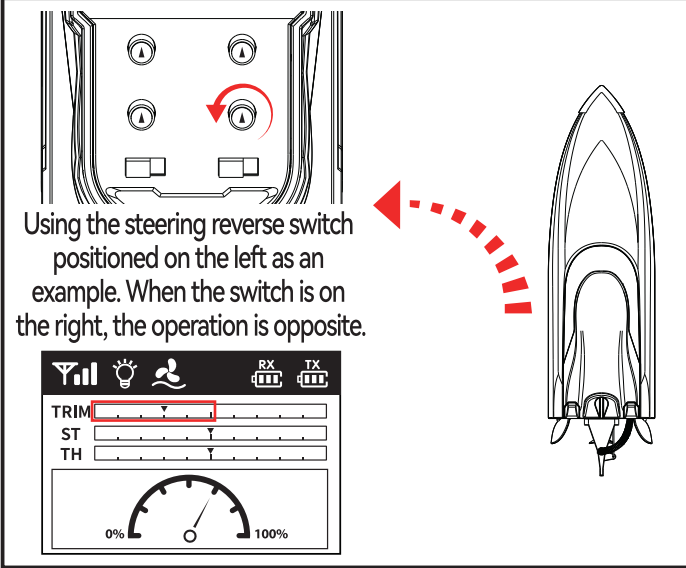
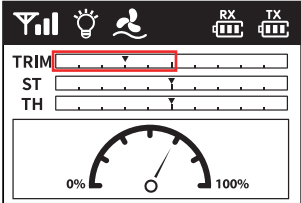
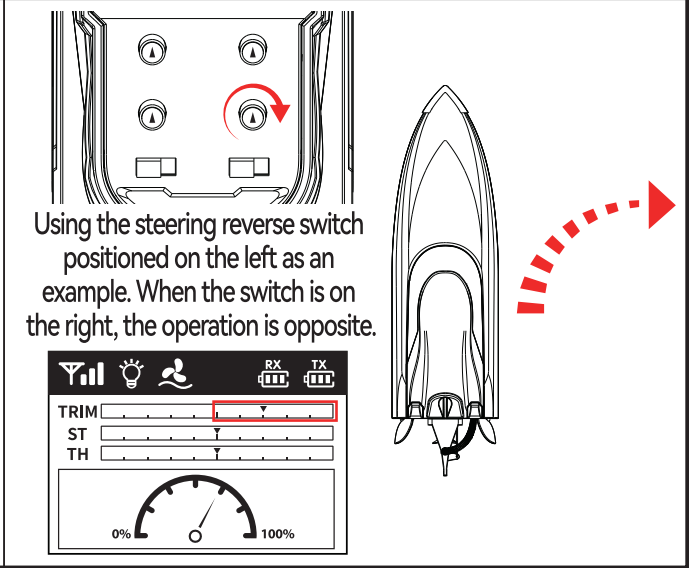
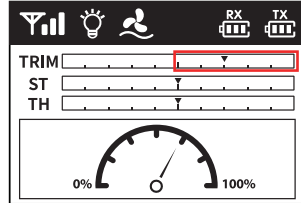
Instructions

• Speed Control

High Speed	Low Speed
	

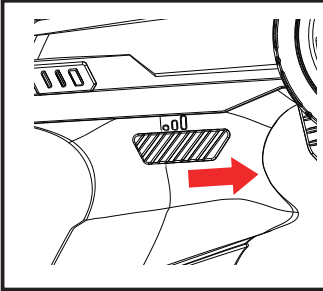
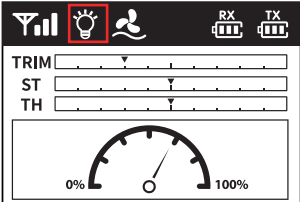
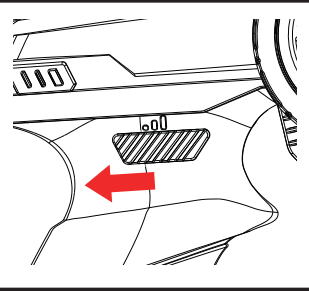
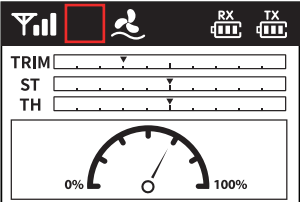
This product features a dual-control design combining speed control and a throttle. The speed control knob is used to set the maximum speed limit, while the throttle lever linearly controls the current output level. In the default factory setting, the pointer on the stepless speed control knob points straight up; turning it clockwise increases the speed, and turning it counterclockwise decreases the speed.

• Steering Trim

Left Trim	Right Trim
 Using the steering reverse switch positioned on the left as an example. When the switch is on the right, the operation is opposite. 	 Using the steering reverse switch positioned on the right as an example. When the switch is on the left, the operation is opposite. 

In the default factory setting, the rudder trim knob pointer points straight up. If the boat veers off course while traveling straight, you can correct this using the rudder trim knob. (When the boat deviates to the right, make left-turn adjustment; When the boat deviates to the left, make right-turn adjustment.)

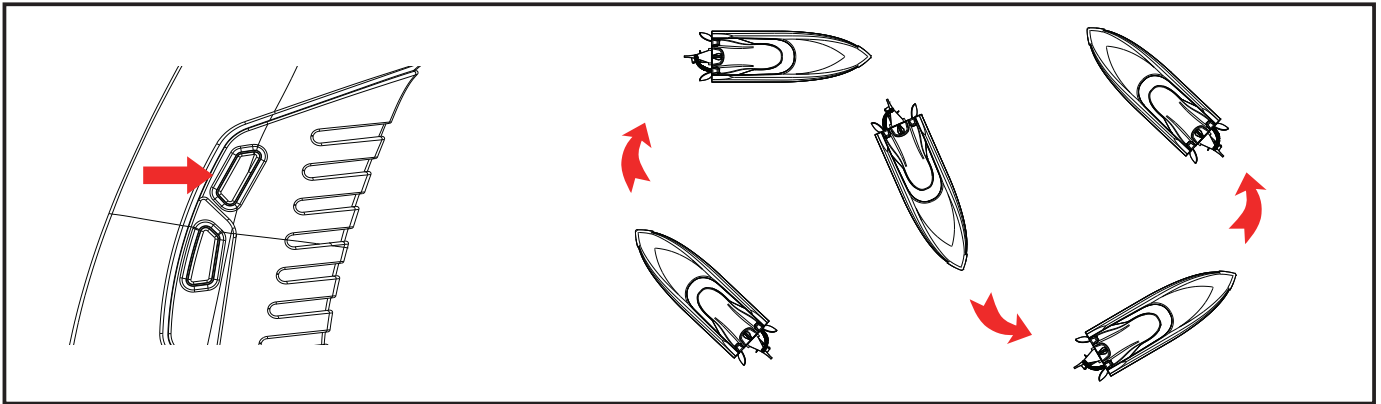
• Lighting Settings

	 Open		 Close
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Slide the light switch forward to turn on the lights, and backward to turn them off. The light icon on the screen will sync with the boat's light status.

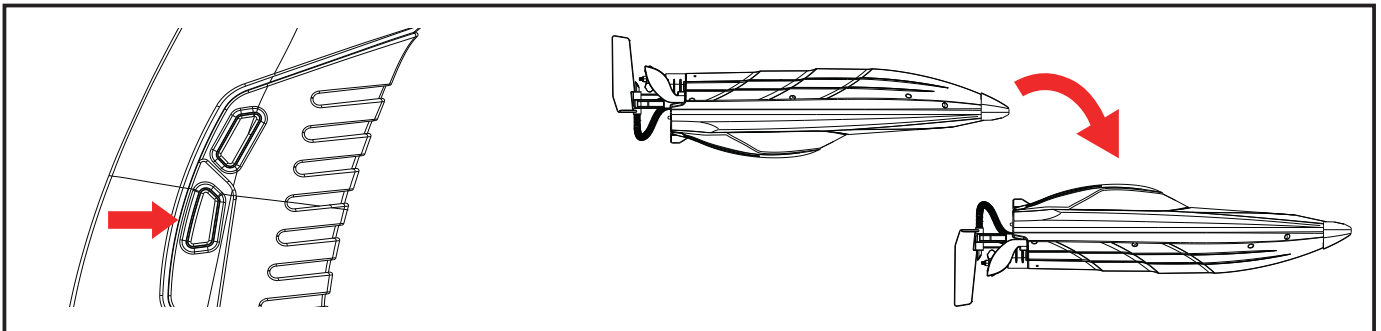
Operating Instructions and Important Notes

• One-key Demo



Steer the boat to an open area, press the DEMO button, and it will travel in a figure-eight pattern.

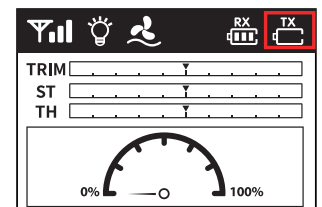
• Flip Reset



If the boat capsizes due to sharp turns, waves or misoperation, press the flip button. The motor will run forward and reverse rapidly to generate centrifugal force and right the boat.

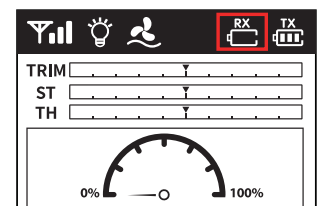
• Remote control low battery

When the remote control is low on battery, the screen displays remote battery level icon with 0 bars remaining, and the remote emits a “beep, beep” sound.



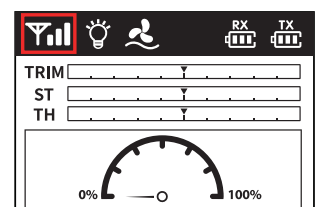
• Low boat power

When the boat's battery is low, the screen displays boat battery level icon with 0 bars remaining, the remote control will emit a “beep, beep” sound, and the boat will automatically switch to low speed. To prevent the battery from draining completely and rendering the boat inoperable, please return the boat to shore as soon as possible to replace the battery. After resyncing the remote control, you may continue using the boat.



• Out of range warning

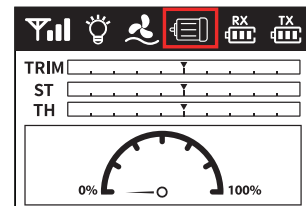
When the boat moves beyond 150 meters navigable area, a long beep sounds every 7 seconds, and the icon on the screen flashes to alert the operator.



Important Notes

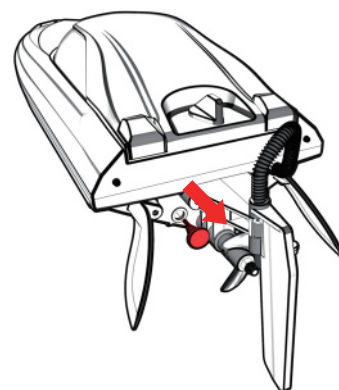
• Stall protection

When the propeller of the boat is stuck and unable to move, the motor failure icon will be displayed on the remote control, and the remote control will continuously emit a "beep beep" sound. After releasing the throttle for about 3 seconds, the motor failure icon disappears and the "beep beep" sound stops.



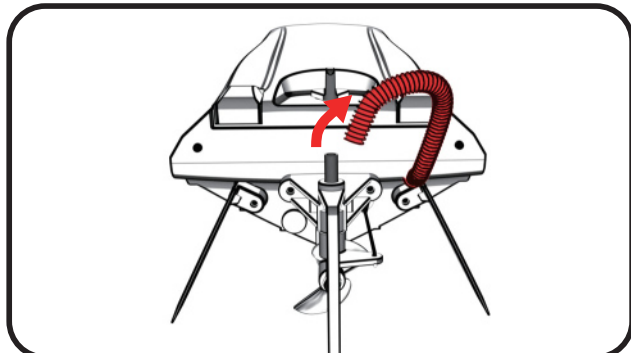
• Use and Maintenance

After using the remote-controlled boat, remove the hatch cover, take out the battery, and check the interior of the boat for any water ingress. If water is present, wipe it away and let the boat air dry for a while, or remove the plug from the drain hole at the stern to drain the water. Once it is completely dry, replace the hatch cover to prevent damage to the internal electronic components. When you're ready to use it again, secure the fully charged battery in the battery holder and connect it to the power source.

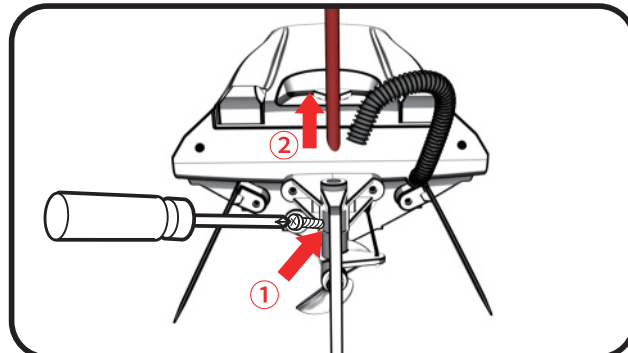


• Propeller Replacement

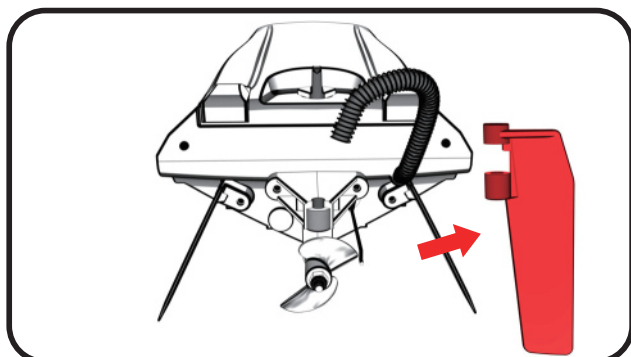
If the propeller becomes worn or damaged, it can be replaced. Follow the steps shown in the illustration.



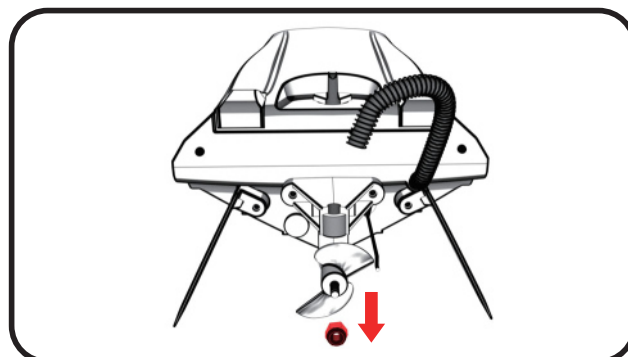
Turn off the boat's power and disconnect the intake hose.



Unscrew the screw and remove the mounting shaft.



Remove the rudder.



Hold the propeller, while simultaneously using a wrench from outside the boat to unscrew the nut, and finally remove the propeller.

Important Notes

• Troubleshooting

Description of the situation	Reason	Solution
The boat is not running	The boat's battery is low	Remove the battery to charge it
		Test After Replacing the Battery
	The boat got tangled in debris	Remove debris
	The motor has reached the end of its useful life	Replace with the same model of motor
Long synchronization time	Signal interference	Restart the remote control
Control delay	When encountering obstacles or interference	Pause for a few seconds or avoid obstacles or distractions

• Battery Precautions

- Do not disassemble or modify the battery.
- Do not short-circuit the battery.
- Do not submerge the battery in water.
- Do not drop or throw the battery.
- Do not touch a leaking battery directly.
- Do not insert sharp objects into the battery or damage it in any other way.
- Use the charging cable provided with the product to charge the battery.
- Do not charge the battery near open flames or in direct sunlight.
- Do not use a damaged or severely deformed battery.

• Product Specifications

Brushless version		Brushed version	
			
VS			
Motor Specifications			
Brushless motor + ESC		Brushed motor	
Boat battery			
Battery 11.1V 2500mAh		Battery 7.4V 3000mAh	

FCC Warning:

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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 0cm between the radiator and your body.