

INSTRUCTION MANUAL

THIS MODEL IS NOT A TOY!

THESE INSTRUCTIONS SHOULD BE READ BY A SUPERVISING ADULT

OFFSHORE LITE WARRIOR V4 2.4GHz RTR

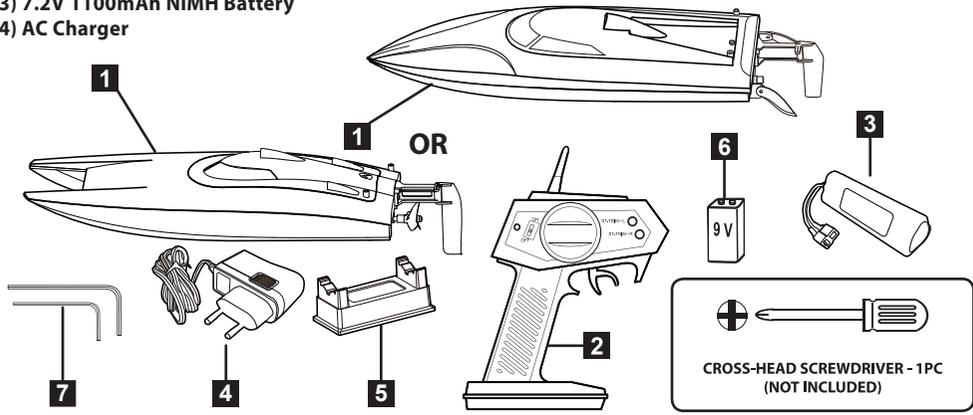
ITEM NO. 8206

OFFSHORE LITE SEA RIDER V5 2.4GHz RTR

ITEM NO. 8208

CONTENTS OF SET

- 1) Offshore Lite Warrior V4 Racing Boat
- OR
- 1) Offshore Lite Sea Rider V5 Racing Boat
- 2) Transmitter
- 3) 7.2V 1100mAh NiMH Battery
- 4) AC Charger
- 5) Boat Stand
- 6) 9V Dry battery (for Transmitter)
- 7) 2.5mm Allen Key (Only For Deep Vee Turn Fins)
2.0mm Allen Key (for Grub Screws)



Caution for battery:

ESC with low voltage hard cut off at 6.4V, when driving your boat, as soon as you notice boat stop, that means ESC low voltage cut off effective, you should immediately drive boat back to shore in slow speed, recharge battery and race again. don't keep racing boat when ESC low voltage cut off effective, otherwise, you will allow battery over discharge, battery voltage will reach very low and won't be recharged again.

Caution:

1. Continuous running of the model will generate high heat levels, Which will lead to premature wear of the motor. Once your power pack is exhausted, we recommend that you open model's upper deck and let motor air cool for around 15 minutes before installing a fresh power pack. This action will protect motor and extend its working life.

2. Before racing your model boat, carefully check silicone tube for guarantee good water cooling system; Avoid water inlet on the bottom of hull become deformed, otherwise, water cooling system failure, this may lead to ESC burned out and motor defected.

IMPORTANT

Offshore Lite Warrior V4 and Offshore Lite Sea Rider V5 are compatible with this manual.

The Offshore Lite Series are designed for use in fresh water only. They are not designed for use in salt water!

The Offshore Lite Series are not intended for persons under 14 years of age, unless closely supervised by an adult.

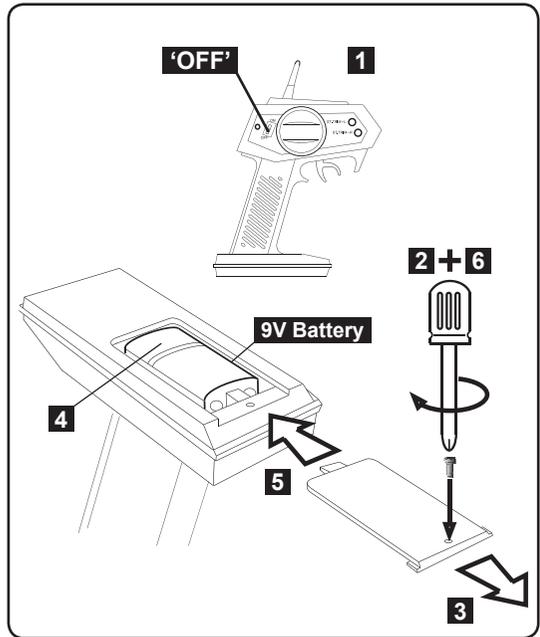
INSTALLING THE 9V DRY BATTERY IN YOUR TRANSMITTER

Always use a fresh 9V battery in the transmitter.

- 1) Ensure transmitter 'ON/OFF' switch is in the 'OFF' position.
- 2) Remove battery cover screw.
- 3) Remove battery cover by pressing down on the embossed arrow and sliding the cover as indicated.
- 4) Insert 9V battery, noting correct location (polarity + or -).
- 5) Slide battery cover back into place.
- 6) Re-fit battery cover screw.

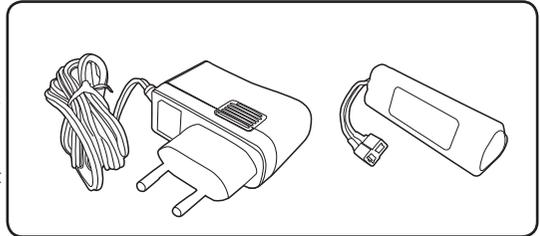
NOTE 1: The Offshore Lite Series are supplied with a start-up 9V dry cell battery. Once this battery is depleted, please replace it with another dry cell 9V battery (alkaline recommended) or fully charged 9V rechargeable battery. Remove 9V battery from the transmitter if you do not intend to use it for a period of time.

NOTE 2: When the transmitter battery (dry cell or rechargeable) is at the end of its life, it should be disposed of at an approved battery recycling centre. **DO NOT DISPOSE OF IT IN HOUSEHOLD WASTE!**



CHARGING THE 7.2V 1100mAh NiMH BATTERY

- 1) Remove the AC charger from the package and plug it into the power socket. The green LED light turn on means power on.
- 2) Plug in the 7.2V NiMH battery to the AC charger, the green LED light turn to red LED light means charging.
- 3) Supplied 7.2V NiMH battery will charge from flat in around 2 hours. Red LED light turn back to Green LED light means battery is fully charged.
- 4) Unplug the 7.2V NiMH battery from the AC charger, unplug the AC charger from the power socket.



CAUTION:

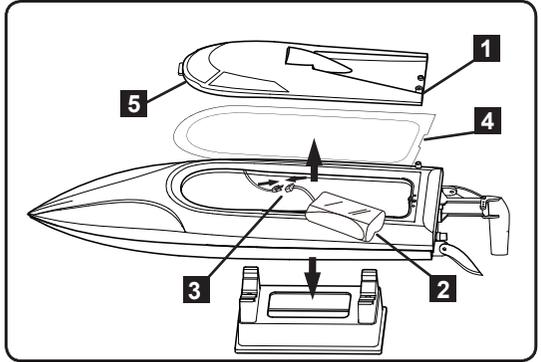
- 1) The 7.2V NiMH battery is not supplied pre-charged and must charge it fully before race boat for the first time.
- 2) Charge times are around 2 hours, do not leave on charge overnight. Battery should be unplugged from the charger after a maximum 3 hours.
- 3) The 7.2V NiMH battery can be re-charged many times before it needs replacing. When 7.2V NiMH battery no longer holds a charge, it should be properly recycled. **DO NOT DISPOSE OF IT IN HOUSEHOLD WASTE!**
- 4) Never leave the battery unattended during charging process. Always keep charger out of reach of children.
- 5) Never put the battery inside the boat to be recharged.
- 6) It is normal for the battery to get warm during the charging process. Do not charge the battery on a surface that is flammable or can be damaged by heat.
- 7) Do not attempt to disassemble the charger. Do not store the battery plugged into the charger.

NOTE 1: The Offshore Lite Series will typically run for around 5 minutes on a fully charged 7.2V NiMH battery. As soon as you notice a drop off in speed you should bring the model back to shore or control may be lost.

INSTALLING THE 7.2V NiMH BATTERY IN THE OFFSHORE LITE SERIES

(Model should be placed on its supplied boat stand)

- 1) Remove the Offshore lite series' upper deck by rotating the plastic lock at its rear section.
- 2) Insert the 7.2V Power Pack into the left side of the hull. The connector of power pack heads towards the front of boat. Tie the power pack with provided magic belt inside the hull.
- 3) Attach the 7.2V Power Pack's connector to the matching connector in the Offshore Lite Series. Do not force them together - they only attach one way!
- 4) Place the water proof rubber ring along the slot of hull, make sure it's secured positioned before re-position the upper deck.
- 5) Re-position the upper deck.



NOTE: 1. It is suggested that don't leave the rubber ring in the slot of hull. Remove the rubber ring when not racing the boat, so as to keep the rubber ring flexible for water proof effective.

TRANSMITTER/RECEIVER BINDING

The binding process effectively ties the transmitter and receiver together. Under normal circumstances, both items are supplied like this from the factory. If, however, you find that your transmitter and receiver are not bound (receiver's red LED is on), you should do the following:

- 1) Switch "ON" the transmitter.
- 2) Switch "ON" the receiver by Attaching the 7.2V power pack's connector to the matching connector in the Offshore Lite Series boat.
- 3) Press down the "BIND" button on the receiver, the receiver's green LED will be on to indicate that binding has been successful and the receiver will now accept commands from the transmitter.

Note 1: During binding process, transmitter and receiver should be no more than one meter apart and no other similar devices should be within 10 meters.

Note 2: if the green light flashing, showing the binding failure, please do again as above indication.

HOW TO CONTROL/OPERATE YOUR OFFSHORE LITE SERIES

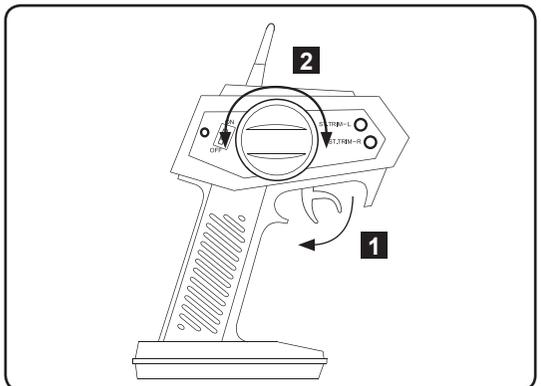
1) Forward Throttle Trigger

Your Offshore Lite Series can be driven forward by pulling the throttle trigger. Release the trigger and the Offshore Lite Series will stop.

2) Left/Right Steering Wheel

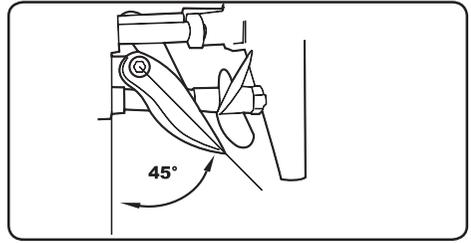
The steering wheel controls the Offshore Lite Series's left and right movement. Turn the wheel to the left to steer to the left. Turn the wheel to the right to steer to the right. Release the wheel to go straight.

Racing Tip: The Offshore Lite Series are an oval racer, designed for clockwise racing, and will be less responsive to steering inputs at high speed, particularly left turns. Decrease your speed to allow tighter turning.



TURN FINS

The Offshore Lite Warrior V4 features adjustable turn fins to aid in turning. These can be adjusted using the included Allen key. The optimum angle of adjustment is 45 degrees to the hull.



DRIVING YOUR OFFSHORE LITE SERIES

- 1) Switch 'ON' the transmitter. Check that the transmitter's red LED glows brightly.
- 2) Check that the Offshore Lite Warrior's turn fins are adjusted correctly.
- 3) Switch 'ON' the Offshore Lite Series (connect the 7.2V Power Pack).
- 4) Check that the propeller and the rudder respond to transmitter inputs before placing the Offshore Lite Series on the water.

AFTER USE

- 1) When you have finished using your Offshore Lite Series, you should first switch 'OFF' the model (disconnect the 7.2V Power Pack), then switch 'OFF' your transmitter.
- 2) Remove all batteries from the transmitter and model.
- 3) Leave the Offshore Lite Series's upper deck off to allow moisture to evaporate. Ideally, place the model in this way in a warm and dry place, like an airing cupboard, until you are sure it is dry and then store it away.
- 4) Remove the rubber ring from the slot of hull, so as to keep the rubber ring flexible for water proof effective in next time boat racing.

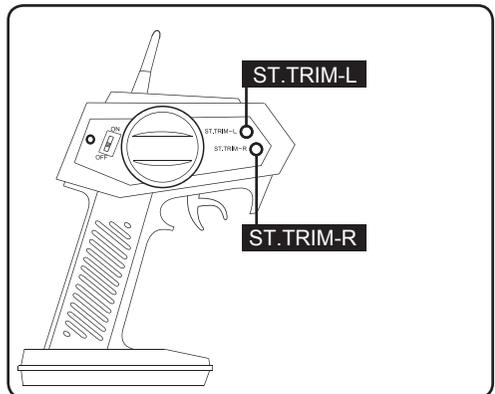
NOTE: If the Offshore Lite Series begins to bob when running, it may have taken on an excessive amount of water. In this case, you should immediately return to shore, remove the upper deck and drain the water from the hull.

IF THE OFFSHORE LITE SERIES DO NOT RUN IN A STRAIGHT LINE

If your Offshore Lite Series do not run in a straight line when not being steered, you can adjust it by using the steering trim located on the upper right hand side of the transmitter.

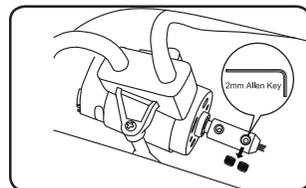
- 1) Run your Offshore Lite Series on calm water when adjusting the steering. If your model runs to the right when not being steered, press the "ST.TRIM-L" button. Re-center the model and see if this has corrected the problem. Keep making small adjustments in this way until the model runs stright.

Press the "ST.TRIM-R" button to correct if your model steers to the left without being steered in the same way as detailed above.

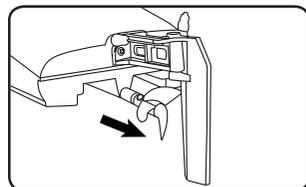


LUBRICATING DRIVE SHAFT

Lubricating the flexshaft is vital to the life of the drivetrain. The lubricant also acts as a water seal, keeping water from entering the hull through the stuffing tube. Lubricating the flexshaft, propeller shaft after every 2 or 3 times of operation.



1. Use the 2mm Allen key to loose the two grub screws of the coupler which connects the flexshaft, then slide the flexshaft w/ prop shaft out of the stuffing tube.
2. Lubricate the flexshaft w/ prop shaft with the water proof marine grease, reinstall the flexshaft w/ prop shaft in reverse order, be sure to retighten the two grub screws of coupler.



CAUTION!

Please observe the following warnings. DURING OPERATION

- The transmitter's range will vary depending on your surroundings and battery strength. Do not operate Offshore Lite Series too far away or control will be lost.
- Ensure that all batteries are correctly installed and that the 7.2V Power Pack is fully charged.
- Do not operate your Offshore Lite Series in areas with strong currents, in salt water or areas of water with large waves.
- Do not touch moving parts during operation, especially the propeller.
- Do not let your Offshore Lite Series run aground, as this can cause damage.
- If you lose control of your Offshore Lite Series, never wade into deep water or water with strong currents to retrieve it. First, hold the transmitter as high as you can to try to re-establish control. If this does not work, find another way to move closer to the model, but do not endanger yourself in the process!

CARE WITH RECHARGEABLE BATTERIES (THE POWER PACK)

Care must be taken when handling rechargeable batteries (the Power Pack) to avoid the possibility of injury and/or damage to property. Do not short circuit, disassemble or incinerate rechargeable batteries. It is very dangerous to disregard these warnings.

GENERAL INFORMATION FOR THE SAFE OPERATION OF YOUR OFFSHORE LITE SERIES

Please follow these simple rules to ensure safe operation and gain the maximum enjoyment from your model.

- Avoid overloading your model. Never run it in areas where its movement will be restricted, e.g. areas where there is pond weed, etc., as this can over stress the motor.
- Ensure nothing prevents the smooth running of moving parts.
- Do not run your model in confined spaces.
- Never run your model in a public space where it might upset or endanger people or wildlife.
- Immediately switch 'OFF' your model and transmitter if you see lightning or hear thunder. Never use your model in the rain.

Do not dismantle or tamper in any way with this R/C vehicle and its transmitter. The manufacturer and distributor will accept no responsibility, expressed or implied, for accidents or injuries caused as a result of disassembly, modification and/or usage against the Instructions for this product.

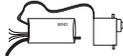
Tampering or modification will also invalidate the guarantee.

TROUBLE SHOOTING

Check using the chart below before returning your Offshore Lite Series for repair as many problems can be easily solved.

PROBLEM	CAUSE	REMEDY
Model will not move	No battery in transmitter/model Battery installation is incorrect Weak battery in transmitter Weak batteries in model	Install batteries Install batteries correctly Install a fresh battery Recharge 7.2V Power Pack
No control of model	Weak battery in transmitter	Install a fresh battery
Limited radio range	Weak battery in transmitter	Install a fresh battery

SPARE PARTS

ITEM No	ITEM NAME	PHOTO
82001	OL Warrior Deck(Orange)/Rubber Ring	
82003	Aluminum Alloy Coupler w/3 screws	
82004A	Flex shaft for deep vee	
82004B	Flex shaft for catamaran	
82005	P1.4*D33/3 Propeller (Pk2)	
82006	Rudder Set	
82007	Stainless Steel Turn fins set	
82014	390 motor	
82020	2.4GHz Transmitter	
820601	2.4GHz RX,ESC,Servo set	
820602	AC Europe plug NiMH charger	
820801	7.2V 1100mAh NiMH battery	
820803	OL Sea Rider V4 Deck(white)/Rubber Ring	



PLEASE KEEP THIS INFORMATION FOR FUTURE REFERENCE

FCC REQUIREMENT



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.

CAUTION: Changes or modifications to this product not expressly approved by the party responsible for compliance may void the user's authority to operate the equipment.