

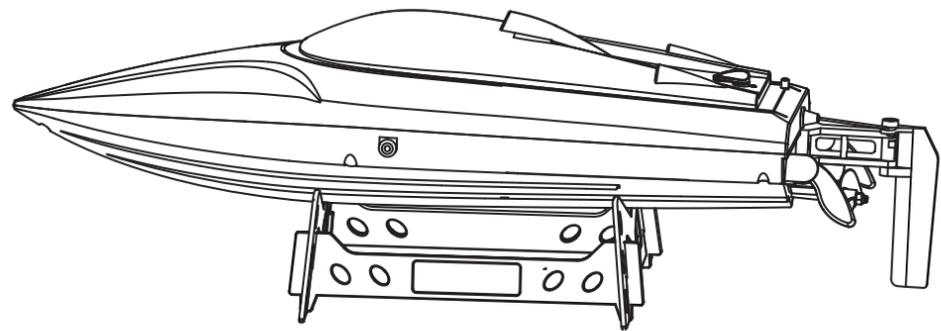
# React™

17-Inch Brushed Self-Righting Deep-V boat

PRB08024

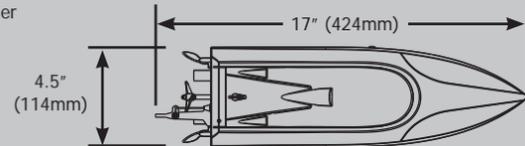
Owners Manual

**PROBOAT™**  
ProBoatModels.com



## Specifications

Length: 17" (424mm)  
Beam (width): 4.5" (114mm)  
Hull Material: Molded Plastic  
Motor: 390-Size Water Cooled Brushed motor  
ESC/Receiver: Pro Boat® 2.4GHz receiver with Brushed motor ESC  
Transmitter: Pro Boat® 2.4GHz Transmitter  
Batteries: 7.4V 1500mAh 2S Li-Ion  
4 AA batteries are required for the transmitter



## NOTICE

All instructions, warranties and other collateral documents are subject to change at the sole discretion of Horizon Hobby, LLC. For up-to-date product literature, visit horizonhobby.com and click on the support tab for this product.

## MEANING OF SAFETY SIGNAL WORDS

The following terms are used throughout the product literature to indicate various levels of potential harm when operating this product:

**NOTICE:** Instructions, which if not followed, create a possibility of property damage AND minor injury.

**CAUTION:** Instructions, which if not followed, create a probability of property damage AND a possibility of injury.

**CAUTION:** Read and follow all instructions and warnings in the manual prior to setup or use. Failure to operate the product correctly can result in damage to the product, personal property and/or injury.

This is a sophisticated hobby product. It must be operated with caution and common sense and requires some basic mechanical ability. Do not attempt disassembly, use with incompatible components or augment product in any way without the approval of Horizon Hobby, LLC.

**Age Recommendation: Not for children under 14 years. This is not a toy.**

## Operating Safety Precautions

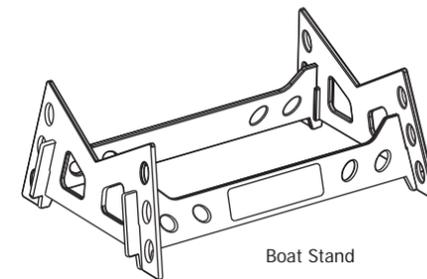
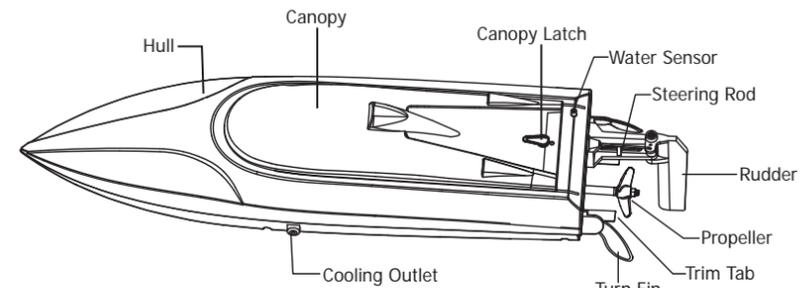
- As the user of this product, you are responsible for operating it safely, not endangering yourself and others, or damaging the product or the property of others.
- When handling and/or transporting your boat, always pick up the boat from the front, keeping all moving parts pointed away from you.
- Always keep a safe distance in all directions around your model to avoid collisions or injury.
- Always operate your model in open spaces away from full-size vehicles, traffic and people.
- Always carefully follow the directions and warnings for this and any optional support equipment (chargers, rechargeable battery packs, etc.).
- Always keep all chemicals, small parts and anything electrical out of the reach of children.
- Always avoid water exposure to all equipment not specifically designed and protected for this purpose. Moisture causes damage to unprotected electronics.
- Never place any portion of the model in your mouth as it could cause serious injury or even death.
- Never operate your model with low transmitter batteries.

## Charging Warnings

The Battery Charger included with your product is designed to safely charge the Li-Ion battery.

**CAUTION:** All instructions and warnings must be followed exactly. Incorrectly charging internal Li-Ion batteries can result in a fire, personal injury, and/or property damage.

- Never leave charging batteries unattended during use.**
- Never charge batteries overnight.**
- By handling, charging or using the internal Li-Ion battery, you assume all risks associated with lithium batteries.
- If at any time the product begins to balloon or swell, discontinue use immediately. If charging or discharging, discontinue and disconnect.
- Continuing to use, charge or discharge a battery that is ballooning or swelling can result in fire.
- Always store the product at room temperature in a dry area for best results.
- Always transport or temporarily store the product in a temperature range of 40–120° F (5–49° C). Do not store the product in a car or direct sunlight. If stored in a hot car, the battery can be damaged or even catch fire.
- Always charge the battery away from flammable materials.
- Always inspect the product before charging and never charge damaged batteries.
- Always disconnect the product after charging, and let it cool between charges.
- Always constantly monitor the temperature of the product while charging.
- ONLY USE A CHARGER SPECIFICALLY DESIGNED TO CHARGE LI-ION BATTERIES.** Failure to charge the battery with a compatible charger may cause fire, resulting in personal injury and/or property damage.
- Never discharge Li-Ion cells to below 3V under load.
- Never cover warning labels with hook and loop strips.
- Never leave charging batteries unattended.
- Never charge batteries outside recommended levels.
- Never charge damaged batteries.
- Never attempt to dismantle or alter the charger.
- Never allow children under 14 years of age to charge battery packs.
- Never charge batteries in extremely hot or cold places (recommended between 40–120° F or 5–49° C) or place in direct sunlight.



## Battery Charger

**NOTICE:** Never charge a battery in the boat or damage may result.

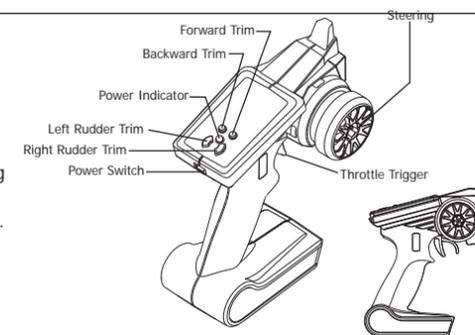
- Plug the USB end of the charging cable into any USB charging port, such as a USB port on a computer.
- Connect the battery to the small end of the charging cable so that it clicks into place.
- The LED indicator on the charging cable will light solid red to indicate the battery is charging.
- The LED will turn off indicating the battery has completed charging.
- When finished charging, discontinue the battery from the charger.

## Transmitter and Boat Pairing (Binding)

- Power on the transmitter. A single beep will sound and the Transmitter power LED will flash.
- Place the boat (with battery installed and connected) into the water.
- The boat will automatically power on when it contacts the water and beep three times.
- The transmitter power LED will glow solid indicating successful binding.
- The boat and transmitter are now ready to operate.

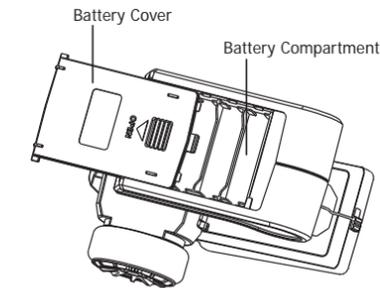
**Tip:** Your React™ 17 Deep-V includes two features to make your boating experience even more worry free.

- A low-voltage alarm that signals when your boat battery is nearly discharged. When your transmitter starts to beep you have about one minute of runtime remaining to return your boat to shore for safe retrieval before the ESC Low Voltage Cutoff (LVC) stops boat operation to protect the battery from over discharge.
- Then your boat is nearing the end of its radio range the transmitter power LED will start to flash signaling that you need to return your boat to an operation range closer to the driver.



## Getting Started

- Install 4 AA batteries into the transmitter.
- Remove the canopy from the hull by rotating the canopy latch to the left or right and pulling up on the back of the canopy.
- Install the fully charged battery in the compartment by securing it into the battery clip with the battery cable toward the front of the boat.
- Power on the transmitter.
- Connect the battery to the ESC/Receiver.
- Install the canopy on the hull.
- Keep the throttle at neutral and place the boat into the water. Three beeps will sound, indicating the boat is powered on.



## Range Check

**IMPORTANT:** Perform a range check at the beginning of each boating session, after repair or after installation of new batteries.

Ensure that all batteries are fully charged.

- With the radio system powered on and connected, walk away from your boat 90 feet (32 m).
- Have an assistant remain with the boat to check for proper control movement of the rudder in response to your transmitter input.
- If everything appears to be operating correctly, prepare to operate the boat in the water.

**NOTICE:** Do not operate the motor without water cooling circulation or damage may result.

## When You Are Finished

- Power off the boat.
- Power off the transmitter.
- Disconnect and remove the battery from the boat.

**NOTICE:** Disconnect and remove the Li-Ion battery from the boat after use to prevent trickle discharge. Charge your Li-Ion battery to about half capacity before storage. During storage, make sure the battery charge does not fall below 3V per cell. Low Voltage Cutoff does not prevent the battery from over discharge during storage.

**Tip:** Always remove the canopy before storage or moisture may allow mold and mildew to grow in the boat.

- Fully dry the inside and outside of the boat, including the water cooling lines.
- Remove the hatch before storing your boat
- Repair any damage or wear to the boat
- Lubricate the drive shaft using Dynamite® Marine Grease (DYNE4200)

**NOTICE:** When you are finished boating, never leave the boat in direct sunlight or in a hot, enclosed area such as a car. Doing so can damage the boat.

**NOTICE:** Running the boat in saltwater could cause some parts to corrode. If you run the boat in saltwater, rinse it thoroughly in freshwater after each use and lubricate the drive system.

**NOTICE:** Because of its corrosive effects, running RC boats in saltwater is at the discretion of the modeler.

## Operating Instructions

### Forward

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



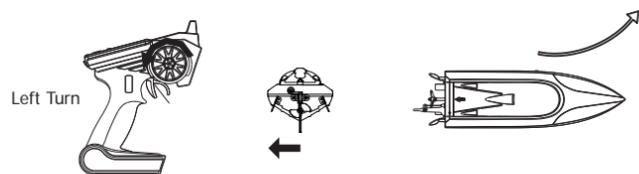
### Backward

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



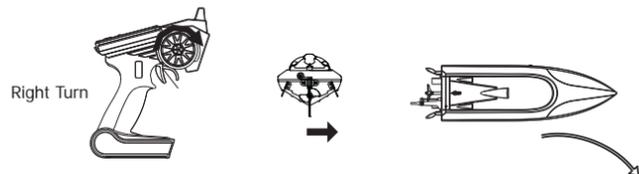
### Left Turn

To turn left rotate the steering wheel counter-clockwise (towards yourself). Use the throttle trigger to drive the boat forward and left.



### Right Turn

To turn right rotate the steering wheel clockwise (away from yourself). Use the throttle trigger to drive the boat forward and right.



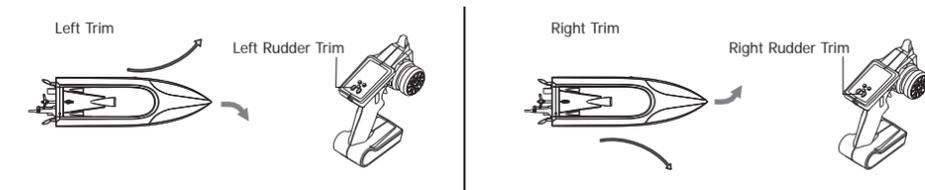
### Self-Righting

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



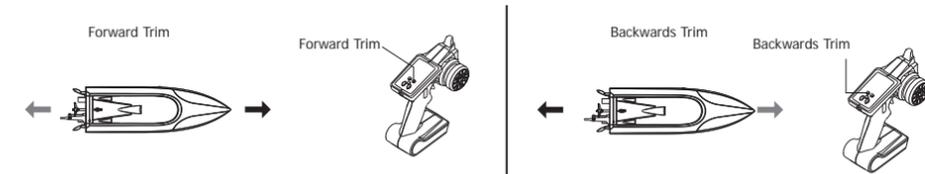
### Left and Right Trim Adjustments

Let the boat drive straight ahead (release the rudder wheel). If the boat turns to the left or right the steering trim may need to be adjusted. Adjust the Left or Right Trim until the boat sails straight.



### Forward and Backwards Trim Adjustments

Let the boat idle (release the throttle trigger). If the boat still moves forward or backward, press the Forward or Backward trim button as needed until the boat stops moving.



### Recommended Tools and Materials

- Needle nose pliers
- Paper towel
- Nut driver: 5.5mm
- Phillips screwdriver: #1
- Clear tape (DYNM0102)
- Dynamite® Marine Grease and Gun (DYNE4200)

## Limited Warranty

### What this Warranty Covers

Horizon Hobby, LLC (Horizon) warrants to the original purchaser that the product purchased (the "Product") will be free from defects in materials and workmanship at the date of purchase.

### What is Not Covered

This warranty is not transferable and does not cover (i) cosmetic damage, (ii) damage due to acts of God, accident, misuse, abuse, negligence, commercial use, or due to improper use, installation, operation or maintenance, (iii) modification of or to any part of the Product, (iv) attempted service by anyone other than a Horizon Hobby authorized service center, (v) Product not purchased from an authorized Horizon dealer, or (vi) Product not compliant with applicable technical regulations.

OTHER THAN THE EXPRESS WARRANTY ABOVE, HORIZON MAKES NO OTHER WARRANTY OR REPRESENTATION, AND HEREBY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE PURCHASER ACKNOWLEDGES THAT THEY ALONE HAVE DETERMINED THAT THE PRODUCT WILL SUITABLY MEET THE REQUIREMENTS OF THE PURCHASER'S INTENDED USE.

### Purchaser's Remedy

Horizon's sole obligation and purchaser's sole and exclusive remedy shall be that Horizon will, at its option, either (i) service, or (ii) replace, any Product determined by Horizon to be defective. Horizon reserves the right to inspect any and all Product(s) involved in a warranty claim. Service or replacement decisions are at the sole discretion of Horizon. Proof of purchase is required for all warranty claims. SERVICE OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE PURCHASER'S SOLE AND EXCLUSIVE REMEDY.

### Limitation of Liability

HORIZON SHALL NOT BE LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES, LOSS OF PROFITS OR PRODUCTION OR COMMERCIAL LOSS IN ANY WAY, REGARDLESS OF WHETHER SUCH CLAIM IS BASED IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR ANY OTHER THEORY OF LIABILITY, EVEN IF HORIZON HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. Further, in no event shall the liability of Horizon exceed the individual price of the Product on which liability is asserted. As Horizon has no control over use, setup, final assembly, modification or misuse, no liability shall be assumed nor accepted for any resulting damage or injury. By the act of use, setup or assembly, the user accepts all resulting liability. If you as the purchaser or user are not prepared to accept the liability associated with the use of the Product, purchaser is advised to return the Product immediately in new and unused condition to the place of purchase.

### Law

These terms are governed by Illinois law (without regard to conflict of law principals). This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Horizon reserves the right to change or modify this warranty at any time without notice.

### WARRANTY SERVICES

#### Questions, Assistance, and Services

Your local hobby store and/or place of purchase cannot provide warranty support or service. Once assembly, setup or use of the Product has been started, you must contact your local distributor or Horizon directly. This will enable Horizon to better answer your questions and service you in the event that you may need any assistance. For questions or assistance, please visit our website at [www.horizonhobby.com](http://www.horizonhobby.com), submit a Product Support Inquiry, or call the toll free telephone number referenced in the Warranty and Service Contact Information section to speak with a Product Support representative.

#### Inspection or Services

If this Product needs to be inspected or serviced and is compliant in the country you live and use the Product in, please use the Horizon Online Service Request submission process found on our website or call Horizon to obtain a Return Merchandise Authorization (RMA) number. Pack the Product securely using a shipping carton. Please note that original boxes may be included, but are not designed to withstand the rigors of shipping without additional protection. Ship via a carrier that provides tracking and insurance for lost or damaged parcels, as Horizon is not responsible for merchandise until it arrives and is accepted at our facility. An Online Service Request is available at [http://www.horizonhobby.com/content/\\_service-center\\_render-service-center](http://www.horizonhobby.com/content/_service-center_render-service-center). If you do not have internet access, please contact Horizon Product Support to obtain a RMA number along with instructions for submitting your product for service. When calling Horizon, you will be asked to provide your complete name, street address, email address and phone number where you can be reached during business hours. When sending product into Horizon, please include your RMA number, a list of the included items, and a brief summary of the problem. A copy of your original sales receipt must be included for warranty consideration. Be sure your name, address, and RMA number are clearly written on the outside of the shipping carton.

**NOTICE: Do not ship LiPo batteries to Horizon. If you have any issue with a LiPo battery, please contact the appropriate Horizon Product Support office.**

### Warranty Requirements

For Warranty consideration, you must include your original sales receipt verifying the proof-of-purchase date. Provided warranty conditions have been met, your Product will be serviced or replaced free of charge. Service or replacement decisions are at the sole discretion of Horizon.

### Non-Warranty Service

Should your service not be covered by warranty, service will be completed and payment will be required without notification or estimate of the expense unless the expense exceeds 50% of the retail purchase cost. By submitting the item for service you are agreeing to payment of the service without notification. Service estimates are available upon request. You must include this request with your item submitted for service. Non-warranty service estimates will be billed a minimum of ½ hour of labor. In addition you will be billed for return freight. Horizon accepts money orders and cashier's checks, as well as Visa, MasterCard, American Express, and Discover cards. By submitting any item to Horizon for service, you are agreeing to Horizon's Terms and Conditions found on our website [http://www.horizonhobby.com/content/\\_service-center\\_render-service-center](http://www.horizonhobby.com/content/_service-center_render-service-center).

**ATTENTION: Horizon service is limited to Product compliant in the country of use and ownership. If received, a non-compliant Product will not be serviced. Further, the sender will be responsible for arranging return shipment of the un-serviced Product, through a carrier of the sender's choice and at the sender's expense. Horizon will hold non-compliant Product for a period of 60 days from notification, after which it will be discarded.**

Country of Purchase	Horizon Hobby	Contact Information	Address
United States of America	Horizon Service Center (Repairs and Repair Requests)	<a href="http://servicecenter.horizonhobby.com/RequestForm/">servicecenter.horizonhobby.com/RequestForm/</a>	4105 Fieldstone Rd Champaign, Illinois, 61822 USA
	Horizon Product Support (Product Technical Assistance)	<a href="http://www.quickbase.com/db/bghj7ey8c?a=GenNewRecord">www.quickbase.com/db/bghj7ey8c?a=GenNewRecord</a> 888-959-2306	
	Sales	<a href="mailto:sales@horizonhobby.com">sales@horizonhobby.com</a> 888-959-2306	
China	Service/Parts/Sales: Horizon Hobby - China	<a href="mailto:info@horizonhobby.com.cn">info@horizonhobby.com.cn</a> +86 (021) 5180 9868	Room 506, No. 97 Changshou Rd. Shanghai, China 200060

### FCC Information

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 not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This product contains a radio transmitter with wireless technology which has been tested and found to be compliant with the applicable regulations governing a radio transmitter in the 2.400GHz to 2.4835GHz frequency range.