



RC Retrieval Decoy

Owners Manual



Specifications

Length:	13-inch (330.2mm)
Width:	6.5-inch (165.1mm)
Height:	7.25-inch (184.15mm)
ESC:	Waterproof 30-amp with reverse
Motor:	380-size water-cooled
Radio:	Pro Boat 2.4GHz Marine pistol-grip
Battery:	7.2V 1200mAh 2/3A NiMH
Charger:	110-230V AC 2-Hour

Notice

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


Meaning of Special Language

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

NOTICE: Procedures, which if not properly followed, create a possibility of physical property damage AND a little or no possibility of injury.

CAUTION: Procedures, which if not properly followed, create the probability of physical property damage AND a possibility of serious injury.

WARNING: Procedures, which if not properly followed, create the probability of property damage, collateral damage, and serious injury OR create a high probability of superficial injury.

 **WARNING**: Read the ENTIRE instruction manual to become familiar with the features of the product before operating. Failure to operate the product correctly can result in damage to the product, personal property and cause serious injury.

This is a sophisticated hobby product and NOT a toy. It must be operated with caution and common sense and requires some basic mechanical ability. Failure to operate this Product in a safe and responsible manner could result in injury or damage to the product or other property. This product is not intended for use by children without direct adult supervision. Do not attempt disassembly, use with incompatible components or augment product in any way without the approval of Horizon Hobby, Inc. This manual contains instructions for safety, operation and maintenance. It is essential to read and follow all the instructions and warnings in the manual, prior to assembly, setup or use, in order to operate correctly and avoid damage or serious injury.

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General Guidelines and Safety Precautions

It is important that you read and follow this instruction manual, along with the radio system manual before you run this exciting model. Failure to read and understand the manual could result in personal injury, property damage or permanent damage to your model. It is also important to run your model responsibly. With proper care and maintenance, you will be able to proudly enjoy your model for many years to come.

It is preferable to operate your model in low wake, low wind conditions.

Check all of the hardware, and the running gear, for damage and loose screws before and after each run.

If at any time while operating your model you sense any abnormal function, end your operation immediately. Do not operate your boat again until you are certain the problem has been corrected.

Always stay clear of the intake for the drive system.

Using the Manual

This manual is divided into sections to help make assembly easier to understand, and to provide breaks between each major section. In addition, check boxes have been placed next to each step to keep track of its completion. Steps with a single circle (○) are performed once, while steps with two circles (○ ○) indicate the step will require repeating.

Remember to take your time and follow the directions.

Charging Warnings and Precautions

Failure to exercise caution while using this product and comply with the following warnings could result in product malfunction, electrical issues, excessive heat, FIRE, and ultimately injury and property damage.

- Read all safety precautions and literature prior to use of this product.
- Never leave the battery and charger unattended during use.
- Never attempt to dismantle the charger.
- Never attach your charger to both an AC and DC power source at the same time.
- Never reverse the positive and negative terminals. Wrong connection will damage the battery and may cause damage to the charger.
- Never allow minors to charge battery packs without adult supervision.
- Never drop charger or batteries.
- Never attempt to charge dead or damaged batteries
- Never attempt to charge a battery pack containing different types of batteries.
- Never charge a battery if the cable has been pinched or shorted.
- Never allow batteries or battery packs to come into contact with moisture at any time.
- Never charge batteries in extremely hot or cold places (recommended between 50–80 degrees F) or place in direct sunlight.
- Always use only rechargeable batteries. This charger cannot charge batteries such as “heavy duty,” “Alkaline battery,” or “Mercury battery.”
- Always connect the positive red lead (+) and negative black lead (-) terminals of the battery to the charger terminals correctly.
- Always disconnect the battery after charging, and let the charger cool between charges.
- Always inspect the battery before charging.
- Always terminate all processes and contact Horizon Hobby if the product malfunctions.
- Always keep batteries and charger away from any material that could be affected by heat (such as ceramic and tile), as they can get hot.
- Always monitor the area, use a fire alarm and have a fire extinguisher available at all times.
- Always make sure you know the specifications of the battery to be charged or discharged to ensure it meets the requirements of this charger. If the program is set up incorrectly, the battery and charger may be damaged. Improper settings can cause the battery to become overcharged potentially leading to fire or explosion.
- Always connect the charge cable to the charger first, then connect the battery to avoid short circuit between the charge leads. Reverse the sequence when disconnecting.
- Never connect more than one battery pack to this charger at a time.
- Always constantly monitor the temperature of the battery pack while charging.
- Always end the charging process if the charger or battery becomes hot to the touch or starts to change form (swell) during the charge process.

Basic Assembly

Required Equipment and Accessories

Transmitter (included)
AA battery (4)
Motor battery (charged) (included)
Hook and loop tape (included)

1. Plug the charger into the proper wall receptacle then the battery into the charger and let it charge for approximately 2 hours. Charge time will be less if the battery is not completely discharged. Monitor the battery's temperature closely during charge. If the battery becomes warm to the touch, the battery is fully charged.



Note: Do not leave the battery connected more than 2 hours or permanent damage to the battery and charger may occur. Never charge on or near flammable surfaces or materials.

Note: The PRB1203 12V DC Car charger may be purchased separately to allow charging from a car or boat. This charge will charge the battery in less than an hour and will automatically stop charging when the battery is fully charged.



2. Slide the cover from the bottom of the transmitter to access the battery holder.



3. Install the four AA batteries in the battery holder. Match the polarity of the batteries to the molded markings in the battery holder.



- 4. Slide the battery cover back on the bottom of the transmitter.



Note: Center the trim adjustments for both the steering and throttle on your transmitter before turning the transmitter on.

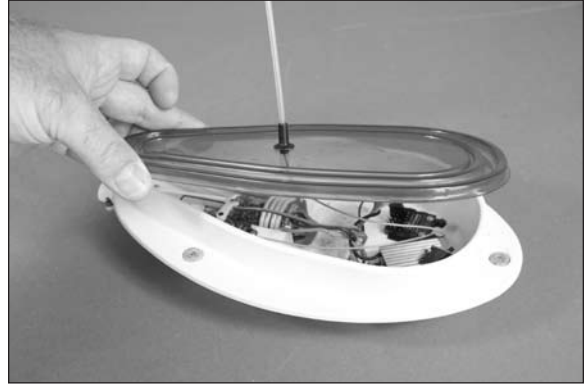
- 5. Move the switch on the transmitter to the ON position and confirm that the red and green LEDs illuminate. Turn off the transmitter.



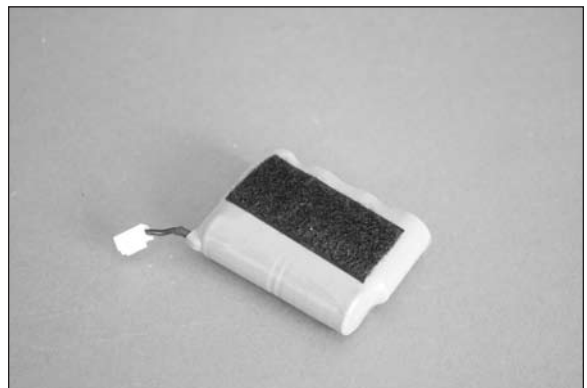
- 6. Lift the cover from the hull. The cover is held at the rear using two magnets, and at the front with one magnet.



- 7. Remove the radio box cover from the hull by lifting it up and away from the hull.



- 8. Apply the hook and loop tape to the bottom of the battery. Also apply the mating piece of tape in the hull where the battery will be located.



- 9. Place the motor battery in the hull.



- 10. Confirm that the ESC on/off switch is in the "OFF" position and connect the battery to the battery plug from the speed control.

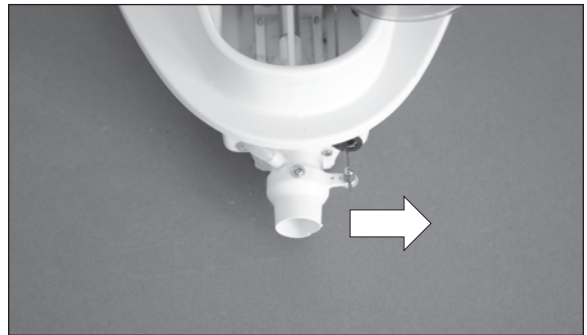


- 11. Turn on the transmitter, then the ESC on/off switch. The radio system is now searching for the receiver it is bound to. Once located, the LED on the receiver will illuminate and allow rudder operation.

To engage the motor, actuate the on/off switch again. The ESC will beep until you pull the throttle trigger to full throttle and return it to the neutral position.



- 12. Check the operation of the steering in relationship to the steering wheel. When the wheel is rotated clockwise, the thruster must move right as shown. If not, follow the instructions from the radio to set the servo reversing for the steering. You may increase or decrease the amount of steering authority by adjusting the Steering Dual Rate (S.T. D/R) on the transmitter.



- 13. Place the clear battery cover back into position. Be sure the longer antenna wire is extended through the antenna tube and the short antenna wire is clear of any moving parts inside the hull.

The Pro Boat spread spectrum radio system allows a large number of RC decoys to be operated simultaneously and offers interference-free control from hundreds of yards away. If you wish to operate the decoy with the antenna hidden, range will be decreased substantially.



Note: The radio system is pre-bound at the factory but the 2.4GHz radio system may not bind correctly if the radio is adjacent to a large amount of metal such as an aluminum dock. Read the radio manual for binding details.

Gently place the decoy into the water. If it leans to one side, move the battery to balance the decoy.

When the decoy begins to slow, bring the decoy in to shore and recharge the battery.

- 14. (Optional) The retrieval decoy can be attached to the main decoy by connecting the link from the retrieval decoy to the connector near the antenna on the main decoy. Use the retrieval decoy for added realism, or for retrieving other models that may have stopped far from shore, as well as harvested waterfowl by circling the object and snagging it with the gaffe.



Go to ProBoatmodels.com to see our full line of RC boats and accessories and a video of the retrieval decoy in action.

Maintenance

If the input screen becomes clogged with debris, the reverse function can occasionally blow the debris clear of the duct input. It may become necessary to disassemble the drive system to remove debris from the drive system. It is recommended to stay clear of moss to lessen the possibility of clogging the drive.

Lubricate all moving parts with a light household oil after each boating session to prevent binding and corrosion.

Warranty Information

Warranty and Repair Policy

Warranty Period

Exclusive Warranty- Horizon Hobby, Inc., (Horizon) warrants that the Products purchased (the "Product") will be free from defects in materials and workmanship at the date of purchase by the Purchaser.

Limited Warranty

Horizon reserves the right to change or modify this warranty without notice and disclaims all other warranties, express or implied.

(a) This warranty is limited to the original Purchaser ("Purchaser") and is not transferable. REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE PURCHASER. This warranty covers only those Products purchased from an authorized Horizon dealer. Third party transactions are not covered by this warranty. Proof of purchase is required for all warranty claims.

(b) Limitations- HORIZON MAKES NO WARRANTY OR REPRESENTATION, EXPRESS OR IMPLIED, ABOUT NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OF THE PRODUCT. THE PURCHASER ACKNOWLEDGES THAT THEY ALONE HAVE DETERMINED THAT THE PRODUCT WILL SUITABLY MEET THE REQUIREMENTS OF THE PURCHASER'S INTENDED USE.

(c) Purchaser Remedy- Horizon's sole obligation hereunder shall be that Horizon will, at its option, (i) repair or (ii) replace, any Product determined by Horizon to be defective. In the event of a defect, these are the Purchaser's exclusive remedies. Horizon reserves the right to inspect any and all equipment involved in a warranty claim. Repair or replacement decisions are at the sole discretion of Horizon. This warranty does not cover cosmetic damage or damage due to acts of God, accident, misuse, abuse, negligence, commercial use, or modification of or to any part of the Product. This warranty does not cover damage due to improper installation, operation, maintenance, or attempted repair by anyone other than Horizon. Return of any Product by Purchaser must be approved in writing by Horizon before shipment.

Warranty Services

Damage Limits

HORIZON SHALL NOT BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES, LOSS OF PROFITS OR PRODUCTION OR COMMERCIAL LOSS IN ANY WAY CONNECTED WITH THE PRODUCT, WHETHER SUCH CLAIM IS BASED IN CONTRACT, WARRANTY, NEGLIGENCE, OR STRICT LIABILITY. 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 this Product, you are advised to return this 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).

Questions, Assistance, and Repairs

Your local hobby store and/or place of purchase cannot provide warranty support or repair. Once assembly, setup or use of the Product has been started, you must contact 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 direct your email to productsupport@horizonhobby.com, or call 877.504.0233 toll free to speak to a Product Support representative. You may also find information on our website at www.horizonhobby.com.

Inspection or Repairs

If this Product needs to be inspected or repaired, please use the Horizon Online Repair 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 Repair Request is available at www.horizonhobby.com <http://www.horizonhobby.com> under the Repairs tab. 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 repair. 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 batteries to Horizon. If you have any issue with a battery, please contact the appropriate Horizon Product Support office.

Warranty Inspection and Repairs

To receive warranty service, you must include your original sales receipt verifying the proof-of-purchase date. Provided warranty conditions have been met, your Product will be repaired or replaced free of charge. Repair or replacement decisions are at the sole discretion of Horizon.

Non-Warranty Repairs

Should your repair not be covered by warranty the repair 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 repair you are agreeing to payment of the repair without notification. Repair estimates are available upon request. You must include this request with your repair. Non-warranty repair estimates will be billed a minimum of 1/2 hour of labor. In addition you will be billed for return freight. Horizon accepts money orders and cashiers checks, as well as Visa, MasterCard, American Express, and Discover cards. By submitting any item to Horizon for inspection or repair, you are agreeing to Horizon's Terms and Conditions found on our website under the Repairs tab.

United States

(Electronics and engines)
Horizon Service Center
4105 Fieldstone Rd
Champaign, Illinois
61822 USA
productsupport@horizonhobby.com
877-504-0233

(All other products)
Horizon Product Support
4105 Fieldstone Rd
Champaign, Illinois
61822 USA
productsupport@horizonhobby.com
877-504-0233

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.

Replacement Parts

Go to ProBoatModels.com to see photos of the replacement parts. If you have any questions concerning the setup or running of your model, please see page 9 to contact the appropriate Horizon service center.

PRB3651.....	Decoy Body
PRB3652.....	Retrieval Gaff
PRB3653.....	Decoy Hull
PRB3654.....	30A ESC with reverse
PRB3655.....	Driveshaft
PRB3656.....	Drive System
PRB3010.....	Motor
PRB3315.....	Antenna Mount
PRB4012.....	Antenna Tube
PRB1203.....	12V DC 1.2-amp fast charger
PRB1200.....	7.2V 1200mAh 2/3A NiMH Battery with Charger
PRB1202.....	7.2V 1200mAh 2/3A NiMH Battery
EFLRS75.....	Sub micro servo
SPMMR200.....	Marine 2.4GHz Receiver
PRB8060.....	Pistol-grip 2.4GHz Marine transmitter

PRO BOAT[®]

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H O B B Y

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