

# Valere 22

**Electric-powered ready-to-run Deep-V**

## **Owners Manual**



### **Specifications**

Hull Length.....	22 in (558.8mm)
Beam.....	7.5 in (190.5mm)
Motor.....	Water-cooled 550-sized
Radio System.....	Pro Boat AM 27MHz 2-Stick
Speed Control.....	Electronic speed control with reverse

[www.ProBoatModels.com](http://www.ProBoatModels.com)



## Introduction

Thank you for purchasing the Pro Boat® Volere™ 22 Electric-Powered Ready-To-Run boat. Please read these instructions carefully before attempting to operate the boat.

The Volere comes ready-to-run with an AM radio system and electronic speed controller already installed. All assembly is done at the factory, allowing you to quickly get the boat running.

## Features

- No assembly required
- Real wood trim layered on a hand-crafted fiberglass hull
- Pro Boat® AM 27MHz radio system
- Preinstalled electronic speed control with reverse
- Includes a 8.4V 1600mAh battery for longer run times

## Additional Required Items

You will need to purchase the following items to get the boat on the water:

- 8 AA alkaline batteries for the radio transmitter
- Ni-MH Battery Fast Charger (DYN4063)

## Inspection

- 1. Carefully remove the boat and radio transmitter from the box.
- 2. Inspect the boat. If you notice damage from shipping, please contact the hobby shop where you purchased it.

The items included with your Volere 22 are:

- Assembled Volere 22 EP RTR
- Pro Boat radio transmitter
- Boat stand
- 8.4V, 1600mAh Ni-MH battery pack



## Installation of Transmitter Batteries

- 1. Remove the battery cover from the transmitter.



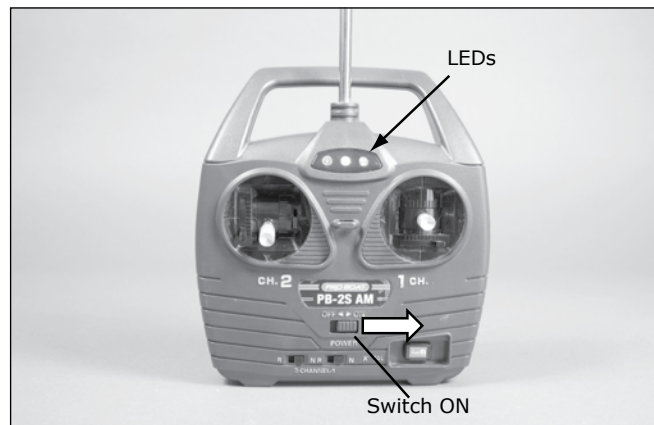
- 2. Install 8 AA alkaline batteries into the transmitter. Be sure each battery cell is installed in the proper polarity. The polarity is marked at each cell's location inside the transmitter.



- 3. Slide the battery cover in place.



- 4. Move the switch to the "ON" position. The LED will light if the batteries are in good condition and installed properly.



- 5. Make sure to turn off the transmitter before proceeding with the installation of the motor battery in your boat.



## Installing the 8.4V Ni-MH Battery

- 1. Carefully lift the magnetic rear deck lid to expose the battery compartment.



- 3. Connect the battery plug to the matching connector on the electronic speed control.



- 2. Install a fully charged 8.4-volt Ni-MH battery pack into the hull. (Follow the instructions included with the fast charger to ensure a safe charge.)

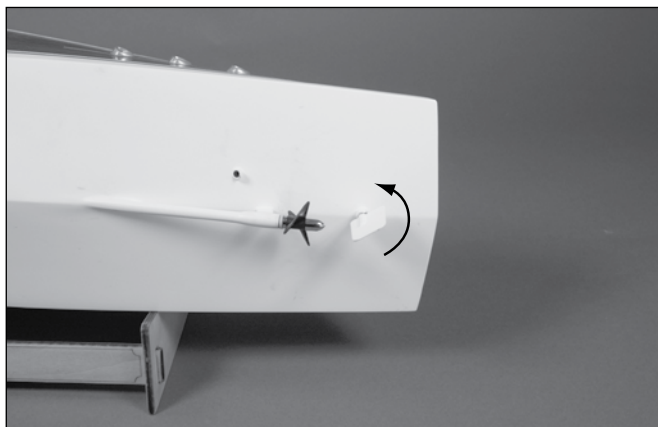


- 4. Replace the hatch.

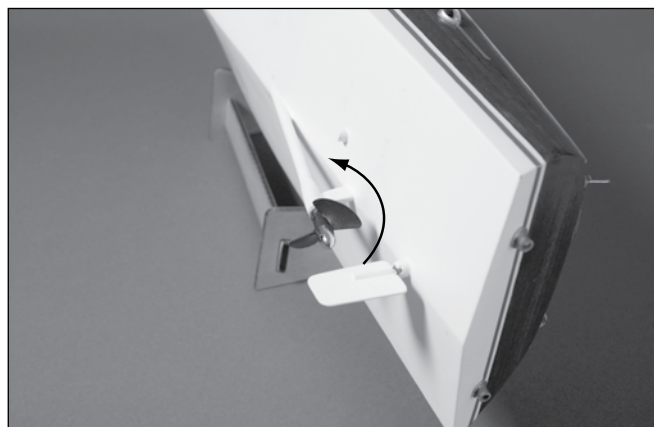


## Checking the Radio System

- 1. Turn on the transmitter then the receiver and check for correct operation. Move the right stick on the transmitter left and right. The rudder should move relative to the stick movement.



- 2. With the propeller free from any objects, give some throttle input to ensure that the motor is working. If everything appears to be functioning correctly, you are ready to run your boat! If any of these functions are reversed, change the respective reversing switch position.

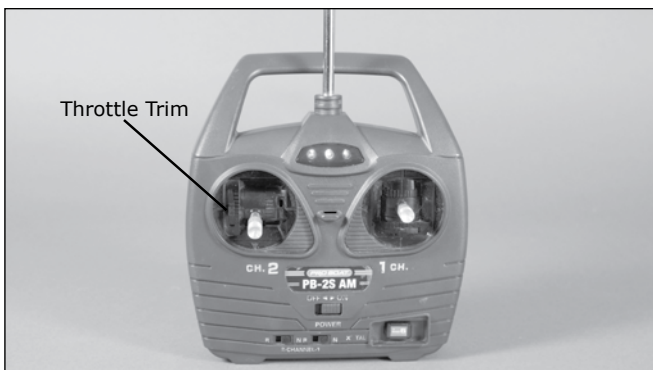


**Note:** If you are transporting the boat, disconnect the battery from the speed controller and then turn the radio off until you are ready to run the boat. Once ready, simply turn the radio on and plug the battery into the speed controller, making sure that the throttle stick is in the neutral position. Read the Electronic Speed Control instructions (included with the boat) before operating.



## Testing the Boat in the Water

- 1. Make sure that the radio is on and the battery is plugged into the speed controller and motor.
- 2. Carefully place the boat in the water. Pilot the boat at slow speeds, staying close to the shoreline to ensure that you have good control and that the boat is functioning correctly.
- 3. If the motor operates when the throttle stick is released, it may be necessary to adjust the trim on the transmitter so the motor is stopped when the throttle stick is released.
- 4. Be certain to avoid all objects in the water. Once you feel comfortable with the control of the boat, it is safe to go further from the shore and at faster speeds.
- 5. If the boat is losing speed, steer the boat carefully back to shore. It will be necessary to replace or recharge the battery before running your boat again.
- 6. If the boat tends to drift one direction during operation, adjust the steering trim to compensate.

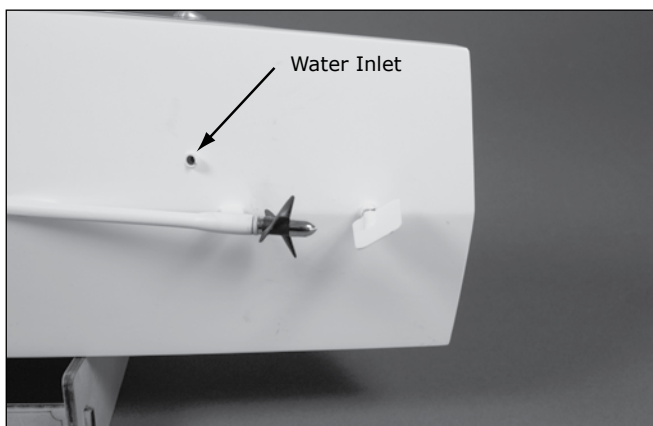
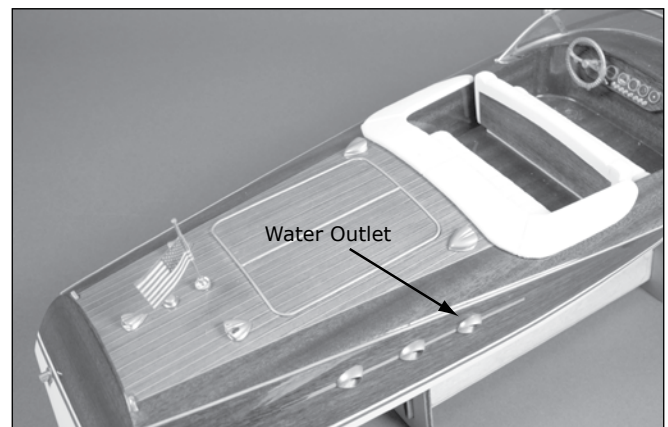


## Water Cooling

Lake water is forced into the cooling system when the boat is moving forward via a water pick-up mounted on the bottom of the hull and is exhausted through a port on the side of the boat.

If no cooling water is exhausting the port, stop operation and remove debris from the system or repair any breaks in the system.

Operating the Volere 22 without proper water cooling will damage the speed control or motor.



## Maintenance and Lubricating the Driveshaft

Before and at the end of each run, make sure that all screws are tight and that the propeller is free from any entanglement.

If you have any questions concerning the setup or running of the Volere, please call the Horizon Service Center at (877) 504-0233.

Lubricating the driveshaft 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 box.

- 1. Remove the front seat from the cockpit by tipping it rearward and lifting it from the cockpit. The seat is held in position by magnets.



- 2. An oiling port has been installed on the stuffing box for lubricating the driveshaft. Fill the oil port with a light oil (available at any hardware store) prior to operation.

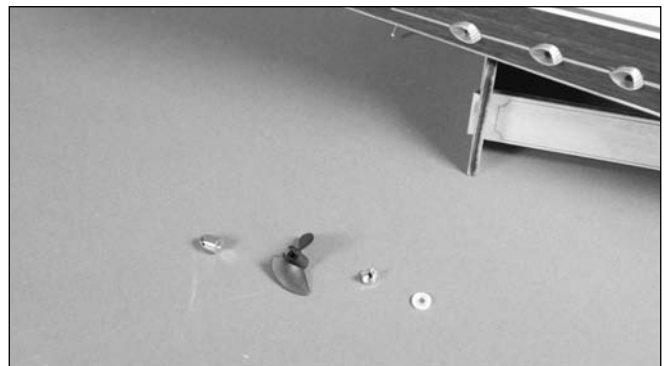


After each day of operation, remove the driveshaft to clean and remove debris.

- 1. Remove the 1.5mm setscrew on the motor coupler.



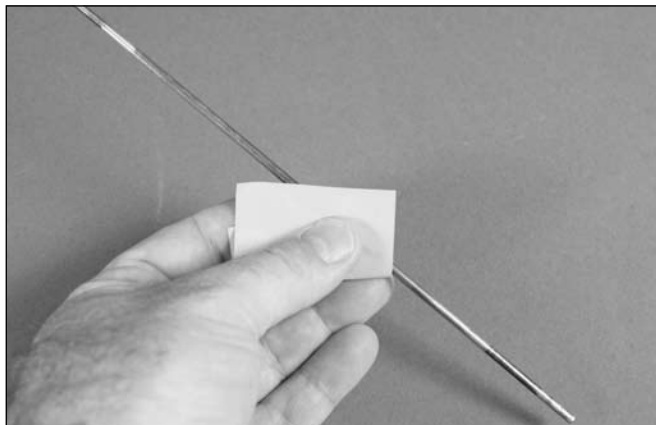
- 2. Use a .050 hex wrench or a small piece of music wire to remove the nut securing the propeller. Remove the propeller and hardware from the driveshaft.



- 3. Slide the driveshaft out of the boat from the rear. Move the rudder slightly to clear the driveshaft.



- 3. Remove any debris, burned oil or rust from the driveshaft with fine emory cloth or sandpaper. Thoroughly oil the driveshaft.



- 4. Install the driveshaft back in the stuffing box. Remember to install the white nylon washer, drive dog, propeller and propeller nut back on the driveshaft. Tighten the setscrew to secure the driveshaft to the motor adapter.

**Note:** Running the Volere 22 EP RTR in salt water could cause some parts to corrode. If you run the boat in salt water, rinse it thoroughly in fresh water after each use and lubricate the drive system.

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

## Replacement Parts

If you have any questions concerning the setup or running of your Volere 22 Brushless EP boat, please call the Horizon Service Center toll-free at (877) 504-0233.

PRB3051	8.4V 2/3A 1600mAh Ni-MH Battery	PRB3061	Rudder with Linkage
PRB3052	Front Seat	PRB3062	Hull Only
PRB3053	Windshield	PRB3063	Boat Stand
PRB3054	Steering Wheel	PRB3064	Decal Sheet
PRB3055	30 amp ESC with Reverse	PRB3065	Motor Coupler
PRB3056	550-size Motor	PRB3066	Driveshaft with Stuffing Box
PRB3057	Motor Mount	PRB3067	Hull Accessories
PRB3058	Propeller with Drive Dog	PRB8021	Transmitter
PRB3059	Cooling System	PRB8023	Receiver
PRB3060	Rear Hatch Cover	PRB8024	Servo



## Section 11: Warranty Information

### **Age Recommendation**

Age Recommendation: 14 years or over. This is not a toy. This product is not intended for use by children without direct adult supervision.

### **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**

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

(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 goods by Purchaser must be approved in writing by Horizon before shipment.

### **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).

### **Safety Precautions**

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. The Product 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 injury.

### **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](mailto:productsupport@horizonhobby.com), or call 877.504.0233 toll free to speak to a service technician.

## Section 11: Warranty Information

### ***Inspection or Repairs***

If this Product needs to be inspected or repaired, please call for a Return Merchandise Authorization (RMA). 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.**

A Service Repair Request is available at [www.horizonhobby.com](http://www.horizonhobby.com) on the "Support" tab. If you do not have internet access, please include a letter with your complete name, street address, email address and phone number where you can be reached during business days, your RMA number, a list of the included items, method of payment for any non-warranty expenses and a brief summary of the problem. Your original sales receipt must also be included for warranty consideration. Be sure your name, address, and RMA number are clearly written on the outside of the shipping carton.

### ***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 Hobby.

### ***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 ½ hour of labor. In addition you will be billed for return freight. Please advise us of your preferred method of payment. Horizon accepts money orders and cashiers checks, as well as Visa, MasterCard, American Express, and Discover cards. If you choose to pay by credit card, please include your credit card number and expiration date. Any repair left unpaid or unclaimed after 90 days will be considered abandoned and will be disposed of accordingly. **Please note: non-warranty repair is only available on electronics and model engines.**

### ***United States:***

Electronics and engines requiring inspection or repair should be shipped to the following address:

Horizon Service Center  
4105 Fieldstone Road  
Champaign, Illinois 61822  
USA

All other Products requiring warranty inspection or repair should be shipped to the following address:

Horizon Product Support  
4105 Fieldstone Road  
Champaign, Illinois 61822  
USA

Please call 877-504-0233 or e-mail us at [productsupport@horizonhobby.com](mailto:productsupport@horizonhobby.com) with any questions or concerns regarding this product or warranty.

### ***United Kingdom:***

Electronics and engines requiring inspection or repair should be shipped to the following address:

Horizon Hobby UK  
Units 1-4 Ployters Rd  
Staple Tye  
Harlow, Essex  
CM18 7NS  
United Kingdom

Please call +44 (0) 1279 641 097 or e-mail us at [sales@horizonhobby.co.uk](mailto:sales@horizonhobby.co.uk) with any questions or concerns regarding this product or warranty.

### ***Germany:***

Electronics and engines requiring inspection or repair should be shipped to the following address:

Horizon Technischer Service  
Hamburger Strasse 10  
25335 Elmshorn  
Germany

Please call +49 4121 46199 66 or e-mail us at [service@horizonhobby.de](mailto:service@horizonhobby.de) with any questions or concerns regarding this product or warranty.

## Section 11: Warranty Information

### **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.

### **CE Compliance Information for the European Union**

#### **Instructions for Disposal of WEEE by Users in the European Union**

This product must not be disposed of with other waste. Instead, it is the user's responsibility to dispose of their waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or where you purchased the product.



### **Declaration of Conformity**

(in accordance with ISO/IEC 17050-1)

No. HH2009101201

Product(s): Volere RTF  
Item Number(s): PRB3050

Equipment class: 1

The object of declaration described above is in conformity with the requirements of the specifications listed below, following the provisions of the European R&TTE directive 1999/5/EC:

EN 300-220	Technical requirements for Radio equipment.
EN 301 489-1, 301 489-3	General EMC requirements for Radio equipment
EN 60950	Safety

Signed for and on behalf of:

Horizon Hobby, Inc.  
Champaign, IL USA  
Oct 12, 2009

Steven A. Hall

Vice President  
International Operations and Risk Management  
Horizon Hobby, Inc.



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4105 Fieldstone Road  
Champaign, Illinois 61822  
USA  
(877) 504-0233  
[www.horizonhobby.com](http://www.horizonhobby.com)