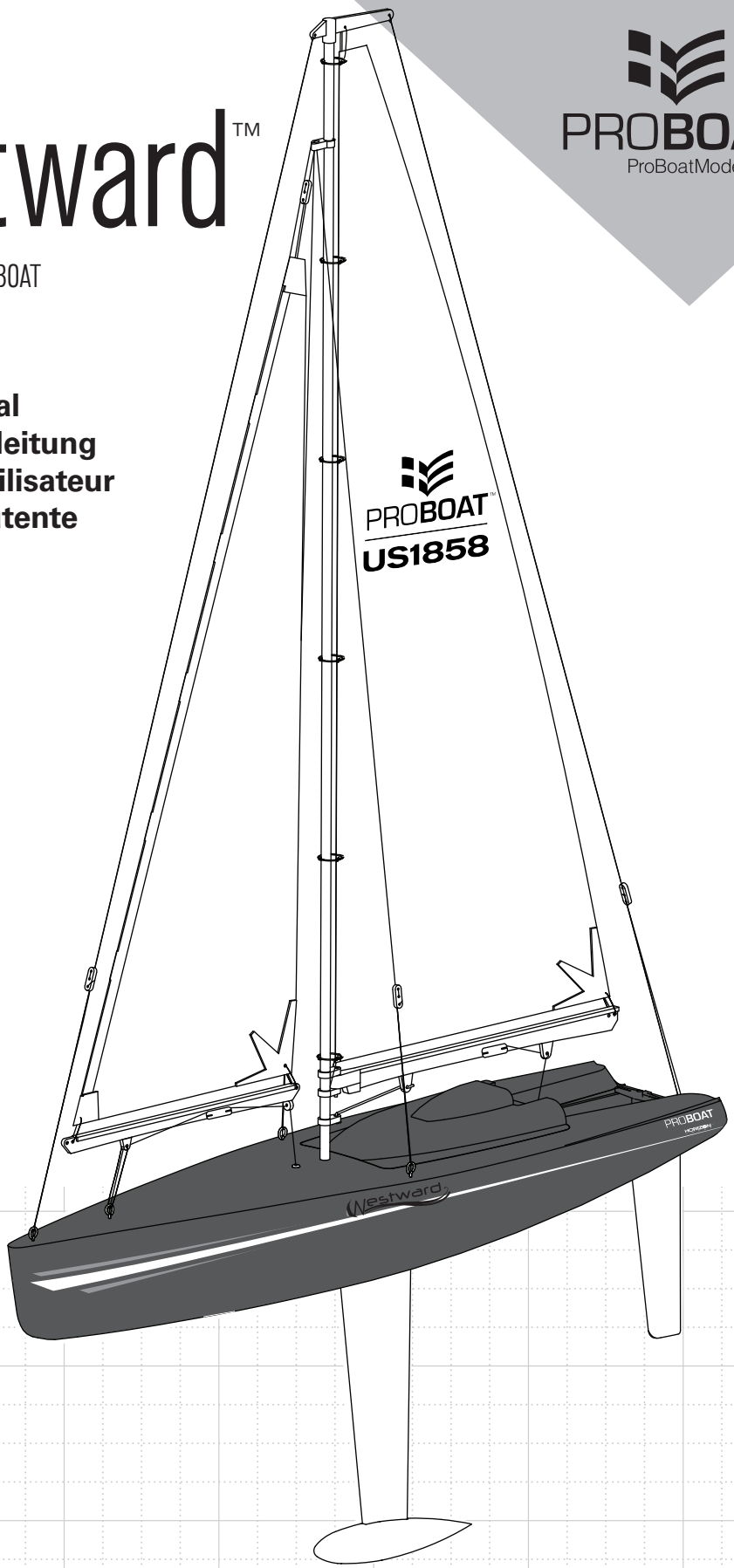
PRB07002

Westward™

18 READY-TO-RUN SAILBOAT

PROBOAT™
ProBoatModels.com

Owners Manual
Bedienungsanleitung
Manuel de l'utilisateur
Manuale dell'utente



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 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 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 use with incompatible components or alter this product in any way outside of the instructions provided by Horizon Hobby, LLC. 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.

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

Safety Precautions and Warnings

As the user of this product, you are solely responsible for operating in a manner that does not endanger yourself and others or result in damage to 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. This model is controlled by a radio signal subject to interference from many sources outside your control. Interference can cause momentary loss of control.
- 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.

Water-Resistant Boat with Waterproof Electronics

Your new Horizon Hobby boat has been designed and built with a combination of waterproof and water-resistant components to allow you to operate the product in calm, fresh water conditions.

While the entire boat is highly water-resistant, it is not completely waterproof and your boat should NOT be treated like a submarine. The various electronic components used in the boat, such as the servo(s) and receiver are waterproof, however, most of the mechanical components are water-resistant and require additional maintenance after use.

Metal parts, including the bearings, pins, screws and nuts, propeller, rudder, rudder mounts, prop struts, as well as the contacts in the electrical cables, will be susceptible to corrosion if additional maintenance is not performed after running in wet conditions. To maximize the long-term performance of your boat and to keep the warranty intact, the procedures described in the "Wet Conditions Maintenance" section must be performed regularly.

⚠ **CAUTION: Failure to exercise caution while using this product and complying with the following precautions could result in product malfunction and/or void the warranty.**

General Precautions

- Read the **WET CONDITIONS MAINTENANCE** procedures and make sure that you have all the tools you will need to properly maintain your boat.
- Not all batteries can be used in wet conditions. Consult the battery manufacturer before use. Caution should be taken when using Li-Po batteries in wet conditions.
- Most transmitters are not water-resistant. Consult your transmitter's manual or the manufacturer before operation.
- Never operate your transmitter or boat when lightning is present.
- Salt water is very conductive and highly corrosive. If you choose to run your boat in salt water, immediately rinse the boat in fresh water after each use. Operating your boat in salt water is at the sole discretion of the modeler.

Wet Conditions Maintenance

- Drain any water that has collected in the hull by removing the drain plug or canopy and tilting the boat in the appropriate direction to drain the water.

⚠ **CAUTION:** Always keep hands, fingers, tools and any loose or hanging objects away from rotating parts.

- Remove the battery pack(s) and dry the contacts. If you have an air compressor or a can of compressed air, blow out any water that may be inside the recessed connector housings.
- Remove all moving parts. Dry and lubricate parts after every 30 minutes of operation or if the boat becomes submerged.

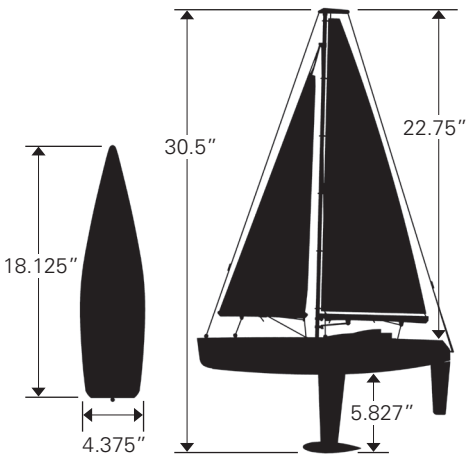
NOTICE: Never use a pressure washer to clean your boat.

- Use an air compressor or a can of compressed air to dry the boat and help remove any water that may have gotten into small crevices or corners.
- Spray the bearings, fasteners and other metal parts with a water-displacing light oil or lubricant.
- Let the boat air dry before you store it. Water (and oil) may continue to drip for a few hours.

Specifications

Length	18.125 in (460mm)
Beam	4.375 in (111mm)
Mast Height	22.75 in (578mm)
Total Height	30.5 in (775mm)
Keel Depth	5.827 in (148mm)
Transmitter	2.4GHz 2-stick
Receiver	2.4GHz
Hull Material	Plastic
Sail Material	Rip-stop nylon
Sail Area (Main)	66 in (1676mm)
Sail Area (Jib)	45.75 in (1162mm)
Sail Area (Overall)	111.73 in (2838mm)

Tip: 8 AA batteries (sold separately) are required to operate the boat and transmitter.



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Product Inspection

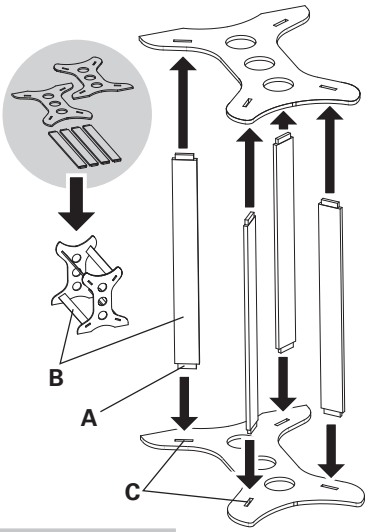
Carefully remove the boat and radio transmitter from the box. Inspect the boat for damage. If your product is damaged, please contact the hobby shop where you purchased your boat.

Register your boat online at www.proboatmodels.com.

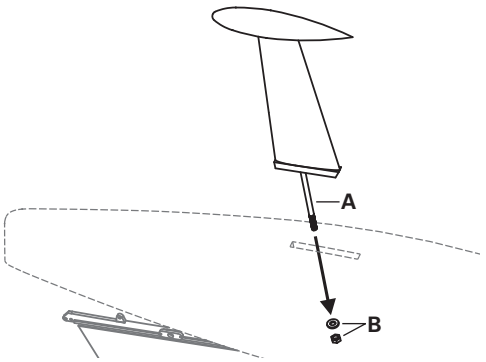
Display Stand Assembly

1. Apply glue to the tabs (**A**) and insert them into the slots (**C**) of one end piece of the display stand as shown.
2. Apply glue to the other ends of the tabs and insert them into the slots of the other end piece of the display stand.
3. Ensure the glue is fully dry before putting the boat on the stand.

   Tip: The front and rear supports fit the curves of your boat. The lower supports (**B**) can be used to display the name of the boat, if desired.



Boat Assembly

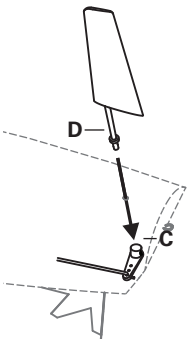


1. Install the keel posts (**A**) in the bottom of the boat as shown.
2. Remove the boat hatch on top of the boat and secure the keel post using the included washer and nut (**B**) as shown.

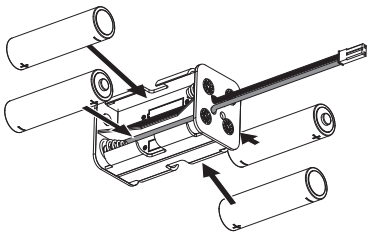
Tip: Some mast lines may be loose from the boat's eye bolts for shipping purposes. Where a mast line is loose, put the line loop in the eye bolt. Refer to Trimming instructions for tightening control lines on your boat.

Rudder Service

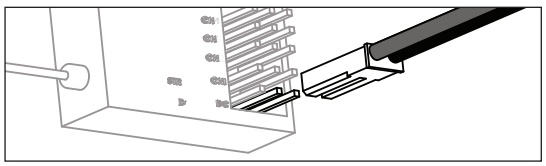
If needed, loosen the setscrew (**C**) in the rudder steering arm and remove the arm (**D**) from the rudder post and the rudder from the boat. If installing the rudder, tighten the steering arm's setscrew on the flat spot on the rudder post. The rudder arm holes must be on the right side of the boat. The recommended factory linkage settings are the middle hole of the 3 holes in the rudder arm and the second hole from the outer most end of the 6-hole servo arm.



Battery Installation



1. Align the polarity (+ and -) of 4 fully charged AA batteries with the markings in the battery holder and install the batteries.
2. Install the battery holder in the boat.



3. Before you sail, connect the holder connector to the + and - BD (bind) port pins on the included receiver.

NOTICE: Always attach the red (+) wired connector to the + pin and the black (-) wired connector to the - pin or damage to the receiver will occur.

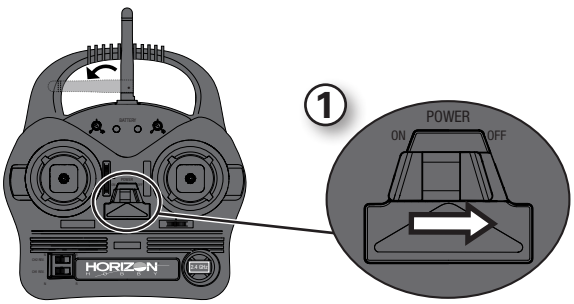
4. Apply clear tape to the receiver's antenna so the end is kept above the boat's waterline for the best reception of the transmitter signal.

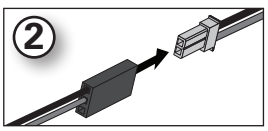
   Install the battery holder and the receiver so that no parts interfere with movement of the servos and control lines.
5. Install the hatch on the boat.

   Tip: We recommend applying tape (DYNM0102, sold separately) over the hatch and hull to keep out water.

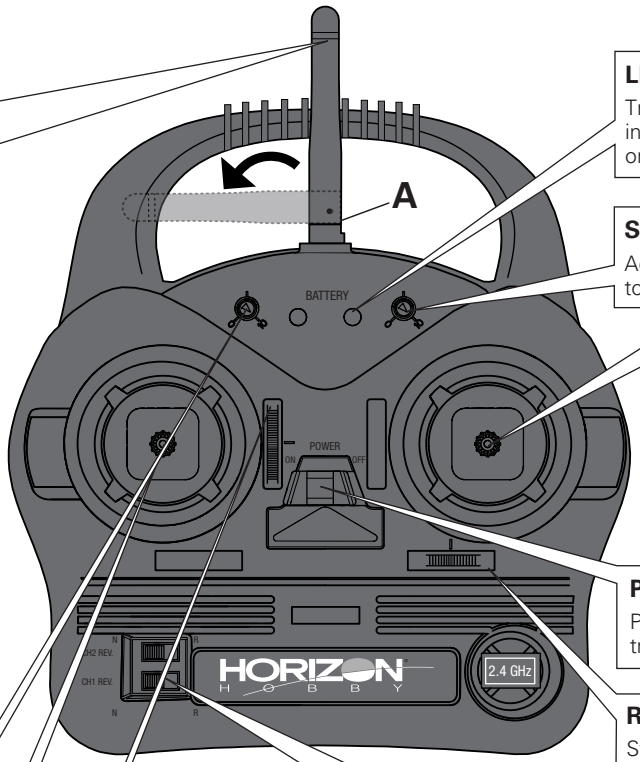
Getting Started

1. Power on the transmitter.
2. Connect the battery.
3. Perform a **CONTROL DIRECTION TEST** with the transmitter.
4. Launch the boat into the water and start sailing.
   - ❑ Install fully charged batteries in your boat and transmitter.
   - ❑ Make sure the boat is bound to the transmitter (otherwise, bind the boat to the transmitter using the included **BINDING** instructions).
   - ❑ Make sure all linkages move freely on the boat.
   - ❑ Adjust the steering rate on your transmitter as desired.
   - ❑ Find a safe and open area of operation.
   - ❑ Plan a safe rout for the water and wind conditions.





Transmitter Controls



Antenna

The transmitter antenna bends at the hinge (**A**) and only bends to the left side of the transmitter. The antenna cannot point to the right or back of the transmitter.

Turn the antenna tip to point away from the model and ground. Signals transmit strongest from the antenna shaft, not the tip.

⚠ **WARNING:** Do not pick up the transmitter by the antenna. Do not alter or put weight on the antenna. Damage to antenna parts can decrease transmitter signal strength, which can result in loss of model control, injury or property damage.

Winch Rate

Adjust the responsiveness to the control stick.

Winch Control

Move the Winch Control UP on the transmitter to release the control lines. Move the Winch Control DOWN to pull in the control lines.

Winch Trim

Adjust the center point for winch operation in the transmitter.

LEDs

Transmitter battery level indicators: Green (good) or red (replace).

Steering Rate

Adjust the responsiveness to the control stick.

Rudder Control

Move the Rudder Control RIGHT to move the rudder right. Move the Rudder Control LEFT to move the rudder left.

Power Switch

Power on or off the transmitter

Rudder Trim

Steering trim is adjusted until the vehicle tracks straight.

Reverse Switch

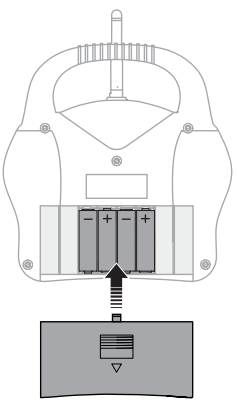
Allows you to change the direction of the winch and rudder controls (Ensure proper function with a radio system test).

Transmitter Battery Installation

This transmitter operates on 4 AA batteries.

1. Remove the battery cover from the transmitter.
2. Install the batteries as shown.
3. Install the battery cover.

IMPORTANT: Remove the transmitter batteries after use.



⚠ **CAUTION:** If using rechargeable batteries, charge only rechargeable batteries. Charging non-rechargeable batteries may cause the batteries to burst, resulting in injury to persons and/or damage to property.

Failsafe

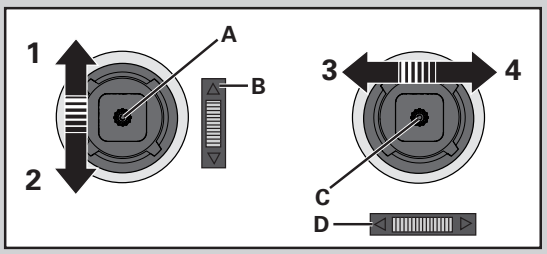
In the unlikely event that the radio link is lost during use, the receiver will drive the servos to their pre-programmed failsafe positions (normally sails out and straight steering).

If the receiver is powered on before powering on the transmitter, the receiver will enter FAILSAFE mode, driving the servos to their preset failsafe positions. When the transmitter is powered on, normal control is resumed. Failsafe servo positions are set during binding.

Control Direction Test

Perform a **Control Direction Test** to see how quickly your sailboat responds to transmitter controls. In gusty wind conditions, knowing how fast your sailboat responds can make the difference between easy sailing and sinking your boat.

Ensure your boat and transmitter are bound before doing these tests (see **Binding**). Move the controls on the transmitter to ensure the rudder and sails move correctly and in the proper direction. Ensure the rudder moves freely and that the winch servo takes in and releases control lines appropriately.



Move the Winch Control (**A**) up on the transmitter. The winch will release the control lines, so use one hand to move the sails to the right or left. Move the stick down on the transmitter. The winch will pull in the control lines.

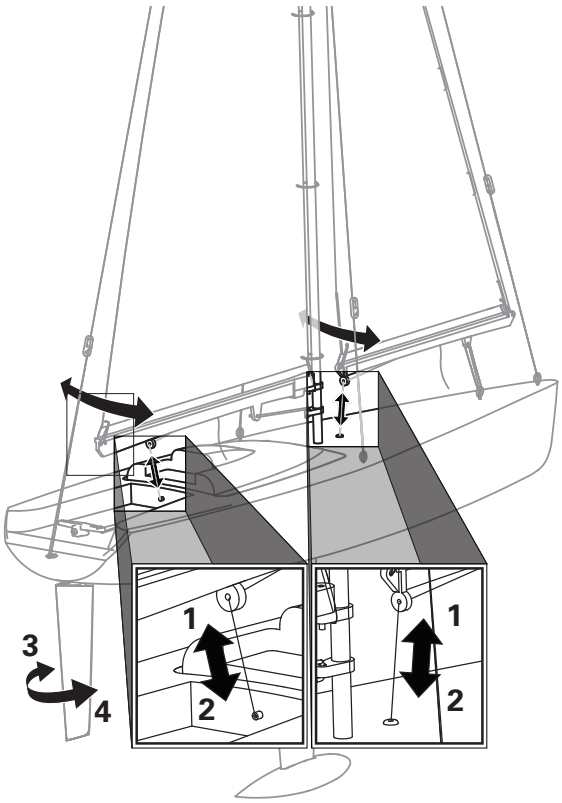
Adjust the center point for winch operation in the transmitter (**B**).

Use the Winch Reversing Switch **(CH 1**) on your transmitter if you need to reverse the direction the winch pulls in or releases control lines.

Move the Rudder Control **(C)** on the transmitter to the right. The rear edge of the rudder should move to the right. Move the stick on the transmitter to the left. The rear edge of the rudder should move to the left.

Steering trim is adjusted until the vehicle tracks straight (**D**)**.**

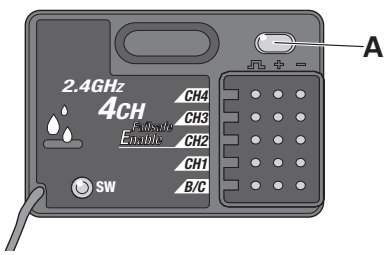
Use the **CH 2** (steering) reversing switch if the direction is reversed.



Binding

Binding is the process of programming the receiver to recognize the GUID (Globally Unique Identifier) code of a single specific transmitter. The included transmitter and receiver are bound at the factory. If you need to rebind, follow the instructions below.

1. Power off the transmitter and boat switch.
2. Connect a fully charged battery pack to the boat.
3. Power on the boat switch. The RED LED on the receiver flashes.
4. Press the bind button (**A**) on the receiver. The RED LED on the receiver flashes.
5. Power on the transmitter.
6. The RED LED on the receiver turns solid when the radio system is bound.



You must rebind when binding the receiver to a different transmitter.

NOTICE: Do not attempt to bind the transmitter and receiver if there are other compatible transmitters in bind mode within 400 feet. Doing so may result in unexpected binding.

Trimming

Control Centering

Before the first voyage, or in the event of an accident, make sure the rudder and sails are centered.

1. Make sure the sails and rudder are centered (neutral) when the transmitter controls and trims are centered.
2. When needed, manually adjust the length of the control line between the winch in the boat and the cleat (**A**) on each sail boom. Each line is tied off on the cleat on each sail boom. Always adjust the length of the line at the cleat, not on the winch inside the boat.

Centering Controls after Voyages

1. If the model requires excessive transmitter trim (8 or more clicks of trim per channel), return the transmitter trim to zero and adjust the control lines on the boom cleats (**A**) so that the rudder and sails are in the water trimmed positions.
2. Adjust the 4 mast stays (**B**), which hold the mast vertically on the boat.
3. Check to make sure the main boom and front sail boom are in line with each other. Adjust the length of the line tied on the booms under the sails if the sails are not centered with each other. Adjust the stay (**C**) at the top of the front (jib) sail to raise the sail on the mast. Tied control lines may need to be loosened at the bottom of the sail so that you can tighten the top of the sail.

Adjusting Sails

After you have centered the sails and the rudder, adjust the sails for the most fun and safe sailing. Briefly sail the boat to see how the sails need to be trimmed.

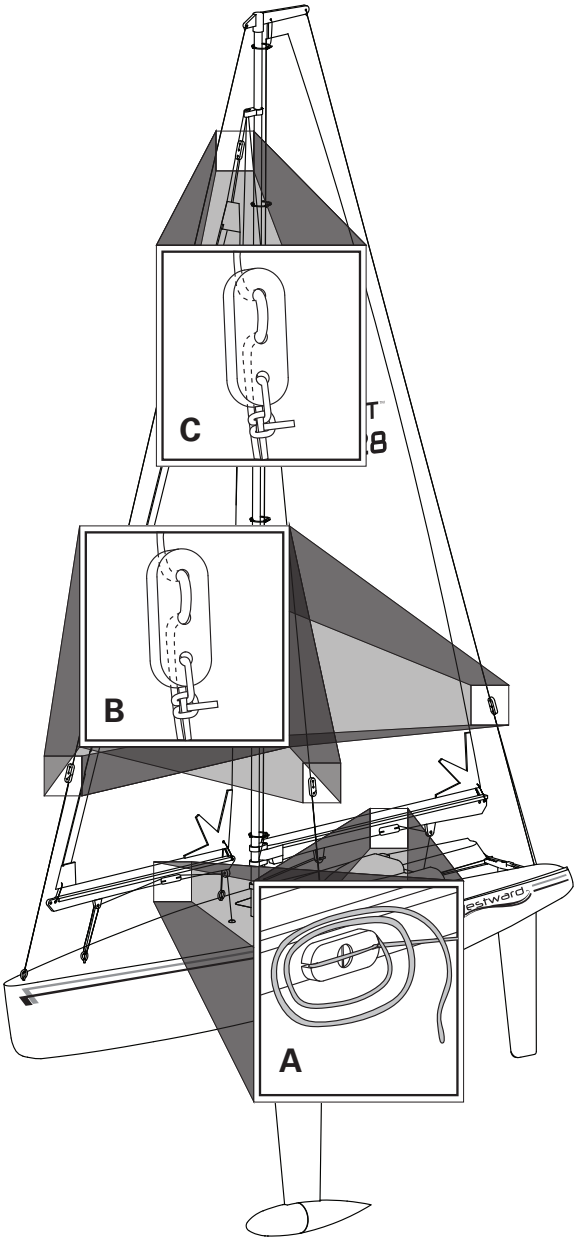
Tighten the stays (**B** and **C**) by lifting up on the lower end. Loosen the stays by lifting then pushing down the upper end of a stay. Loosen or tighten sail control lines by coiling the control lines around the cleats (**A**) and tying off the end of the line in the slots on the ends of a cleat.

The winch servo has more travel than your sails require for safe and enjoyable sailing. Set the rigging so that the lines are JUST taut when the sails are fully retracted and the servo is at the end of its retraction travel.

NOTICE: Do not overtighten the lines on the sail boom cleats or damage to the line or servo could result.

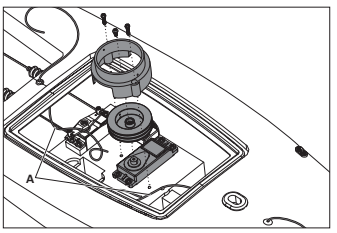
Take your time to prepare your sails for the conditions.

Tip: When there is little wind, tighten the sails so they catch more wind. When there is more wind, loosen the sails to allow them to flap and let excess wind spill around the edges of the sails.



Lines and Winch Operation

Before the first voyage, or in the event of an accident, closely inspect the winch lines (**A**) and ensure they move freely to and from the winch. Always replace worn winch lines and repair the winch so it responds correctly to the transmitter.



Sailing Tips

We recommend sailing in winds of 5 to 12 mph (8 to 19 km/h) with waves no higher than 1 inch (2.5 cm).

Water may wash over the top of the boat when the boat mast tips toward the water in a turn; however, if waves are frequently washing over the top of the boat while you are sailing, there may be too much wind for safe sailing.

Consult local laws and ordinances before choosing a location to pilot your boat.

When running your boat for the first time, we recommend calm wind and water conditions so that you can learn how the boat responds to your control.

NOTICE: Running the boat 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.

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

1. Carefully place the boat in the water.
2. Operate the boat at slow speeds near the shoreline. Avoid vegetation in the water so the keel and rudder are not blocked. However, if these parts are blocked, remove the boat from the water and remove the debris before continuing operation.
3. Always keep your boat in sight while it is in the water.
4. Once you are comfortable operating the boat at slow speeds, it is safe to operate the boat farther from the shore at higher speeds.
5. Bring the boat back to the shore when you notice the boat starting to become less responsive to the transmitter.

Use care to avoid boating in areas where there are numerous people (such as swimming or fishing areas or park waterways).

Avoid boating near:

- other watercraft
- stationary objects
- waves, wakes and other rapidly moving water
- wildlife
- floating debris
- overhanging trees

Operate your boat in water deeper than 9 inches (25 cm).

Crash damage is not covered under warranty.

⚠ **CAUTION:** Never operate your boat in extreme temperatures or turbulent water.

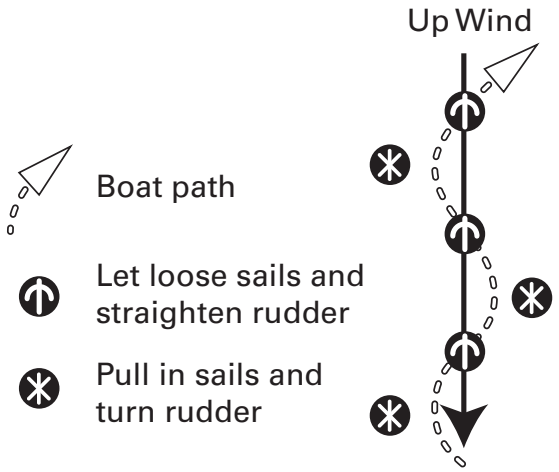
⚠ **CAUTION:** Never attempt to retrieve a downed boat by swimming. If you need to retrieve your boat from the water, use fishing equipment or another boat.

NOTICE: Do not turn off the transmitter first or the receiver may pick up stray signals and run out of control.

Launching

Choose a launching place that will let you put your boat in water deeper than the keel, but out of strong wind. Adjust your sails for the wind and enter the wind before attempting any turns. The rudder needs the speed of the boat hull moving through the water for the best effect in turning the boat.

Turn the rudder gently to see if it turns the boat as you desire. Let out and pull in the sails to see how the sails respond. Adjust the trim controls on your transmitter as desired. After you adjust trim, explore how well you can pilot the boat in the existing wind and water conditions.



Steering

Your boat will try to face into the wind with the sails fluttering loosely. Sailing where you want requires learning how to sail both downwind (with the wind) and relatively upwind (against the wind). Tacking is the proven method for sailing upwind. You can tack well with practice, using the rudder to turn the boat at an angle to the wind while rhthmically releasing or pulling in the sails. The boom of the main sail will swing freely from side to side at the mast. The object is to sail in a generally upwind direction by steering in continuously snakelike S-curves. As shown in the boat path diagram, the centerline of your boat's curving path will be the path of the oncoming wind.

Landing

⚠ **CAUTION:** Never retrieve your boat from the water in extreme temperatures, turbulence or without supervision.

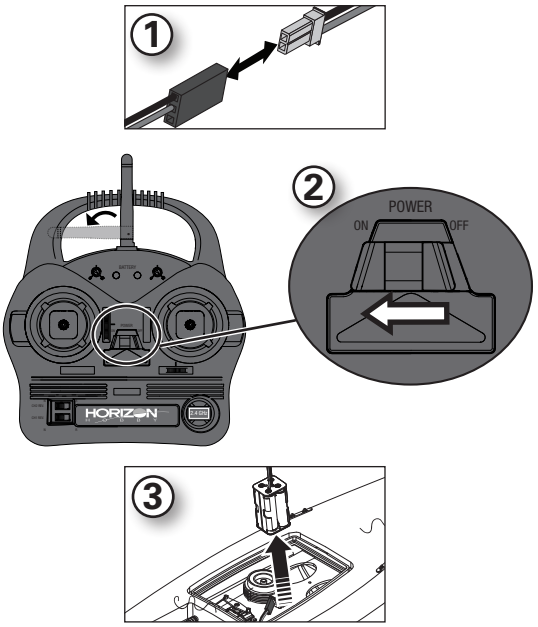
Sail your boat so the wind brings your boat to shore where you can safely get your boat out of the water. Adjust the sails and rudder to slow down and avoid running aground or damaging the hull.

Tip: Explore internet resources to learn more about the great sport of recreational sailing.

When You Are Finished

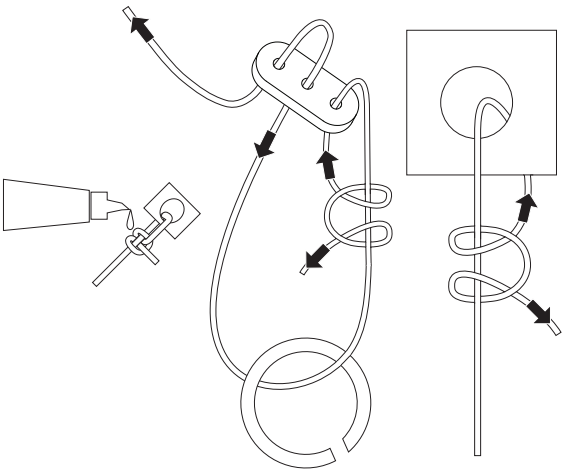
1. Disconnect the battery.
2. Power off the transmitter.
3. Remove the battery from the boat.
4. Loosen all lines.
   - ❑ Always power off the receiver before powering off the transmitter to maintain control of the boat and to retain transmitter binding.
   - ❑ Fully dry the inside and outside of the boat. Remove the hatch before storing your boat.
   - ❑ Repair any damage or wear to the boat.
   - ❑ Make note of lessons learned from the trimming of your boat, including water and wind conditions.
   - ❑ Always store the boat open (without the hatch sealed) or moisture can cause mold and mildew to grow in the boat.

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.



Repair

Repair this model using CA (cyanoacrylate adhesive) glue or clear tape. Apply a small amount of CA to the end of the line in order to decrease line and knot fraying. We do not recommend applying CA to fittings or stays on the boat, however applying CA to knots will keep them from loosening. When parts are irrepairable, refer to replacement and optional parts lists at the back of this manual.



Troubleshooting Guide

Problem	Possible Cause	Solution
Boat does not respond to the transmitter	Boat receiver is not bound to the transmitter	Bind the receiver to the transmitter
	Low or no power	Replace/recharge batteries Ensure connections are secure and powered on
	Fouled or broken sails, lines or servo	Straighten, tighten or replace damaged parts
Boat moves too fast or too slow for the wind and water conditions	Rigging may be worn	Repair or replace damaged parts
	Sails may be adjusted too tight	Loosen or adjust the sail rigging for wind and water conditions
	Steering rate incorrect on the transmitter for the wind and water conditions	Adjust the steering rate
	Vegetation or other obstacles block the rudder, keel or sails	Remove vegetation or obstacles from rudder, keel or sails
Boat tends to turn one direction	Sails are not centered	Center and adjust the sails and control lines for the wind and water conditions
	Rudder is not centered	Adjust or repair rudder, connectors or servo
Boat tends to drift	Sails are not centered	Center and adjust the sails and control lines for the wind and water conditions
	The rigging is worn or broken	Repair or replace damaged rigging
	Rudder is not centered	Adjust or repair rudder, connectors or servo
Boat tends to dive in the water or takes on water	Sails are rigged too high or low on the mast	Adjust the tightness of the rigging at the top corner and bottom of each sail
	Sails are tied too tight	Loosen lines
	The boat hull is not completely closed	Dry out the boat and ensure the hatch is fully closed on the hull before returning the boat to the water
Winch does not respond to transmitter, while rudder does	Winch servo is disconnected	Connect servo to receiver
	Winch, servo, line or other parts are blocked or damaged	Repair or replace parts
	Servo travel is too low	Adjust travel
	Trim is incorrect	Adjust winch line or transmitter trim
Boat will not BIND (during binding) to transmitter	Transmitter is too near boat during binding process	Move powered transmitter a few feet from boat, disconnect and reconnect battery to boat
	Boat or transmitter is too close to large metal object	Move boat or transmitter away from large metal object
	Bind button on the receiver was not pressed	Press the bind button on the receiver
	Low or no power	Replace/recharge batteries Ensure connections are secure and powered on
Boat will not connect (after binding) to transmitter	Transmitter is too near boat during connecting process	Move powered transmitter a few feet from boat, disconnect and reconnect battery to boat
	Boat or transmitter is too close to large metal object	Move boat or transmitter away from large metal object
	Boat battery/Transmitter battery charge is too low	Replace/recharge batteries
	Transmitter may have been bound to a different model	Bind boat to transmitter
Controls reversed	Transmitter settings are reversed	Perform the Control Direction Test and adjust controls on transmitter appropriately

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, (vi) Product not compliant with applicable technical regulations, (vii) use that violates any applicable laws, rules, or 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, 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. 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.

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.

WARRANTY AND SERVICE CONTACT INFORMATION

Country of Purchase	Horizon Hobby	Contact Information	Address
United States of America	Horizon Service Center (Repairs and Repair Requests)	servicecenter.horizonhobby.com/RequestForm/	4105 Fieldstone Rd Champaign, Illinois, 61822 USA
	Horizon Product Support (Product Technical Assistance)	www.quickbase.com/db/bghj7ey8c?a=GenNewRecord 888-959-2306	
	Sales	sales@horizonhobby.com 888-959-2306	
United Kingdom	Service/Parts/Sales: Horizon Hobby Limited	sales@horizonhobby.co.uk +44 (0) 1279 641 097	Units 1–4 , Ployters Rd, Staple Tye Harlow, Essex, CM18 7NS, United Kingdom
Germany	Horizon Technischer Service Sales: Horizon Hobby GmbH	service@horizonhobby.de +49 (0) 4121 2655 100	Christian-Junge-Straße 1 25337 Elmshorn, Germany
France	Service/Parts/Sales: Horizon Hobby SAS	infofrance@horizonhobby.com +33 (0) 1 60 18 34 90	11 Rue Georges Charpak 77127 Lieusaint, France
China	Service/Parts/Sales: Horizon Hobby – China	info@horizonhobby.com.cn +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.

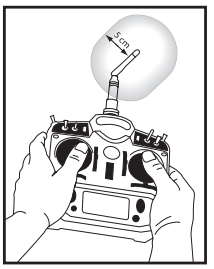
CAUTION: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

IC Information

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Antenna Separation Distance



When operating your Spektrum transmitter, please be sure to maintain a separation distance of at least 5 cm between your body (excluding fingers, hands, wrists, ankles and feet) and the antenna to meet RF exposure safety requirements as determined by FCC regulations.

The following illustrations show the approximate 5 cm RF exposure area and typical hand placement when operating your Spektrum transmitter.

EU Compliance Statement: Horizon Hobby, LLC hereby declares that this product is in compliance with the essential requirements and other relevant provisions of the R&TTE, EMC, and LVD Directives.

A copy of the EU Declaration of Conformity is available online at: **http://www.horizonhobby.com/content/support-render-compliance**.

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.

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