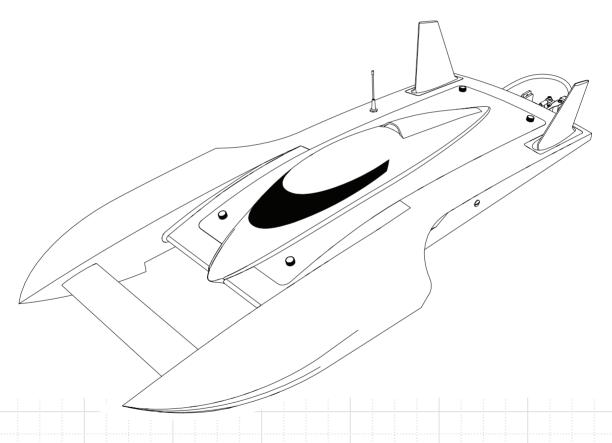


UL 19 Hydroplane

PRB08028V2

30-INCH BRUSHLESS RTR

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



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 www.horizonhobby.com or www.towerhobbies.com and click on the support or resources tab for this product.

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

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.

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

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

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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 30 in (762mm) **Height** 6 in (152.4mm)

Transmitter Spektrum™ SLT3 2.4GHz **Receiver** Spektrum™ SR315 3-CH

DSMR[®]

Hull Material Fiberglass

Motor 2000Kv 6-Pole 3650

Marine Motor (DYNM3831)

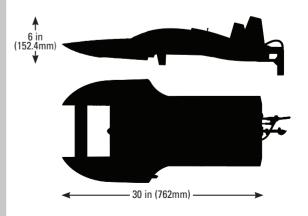
ESC 120A Brushless Marine ESC

2-6S (DYNM3875)

Servo 3KG, Plastic Gear Servo,

WP, 23T (SPMS603)

Tip: 4 AA batteries (sold separately) are required to operate the transmitter.



Recommended Tools and Materials

- Needle nose pliers
- Paper towel
- Rubbing alcohol
- Open-end wrench: 10mm (2)Nut driver: 4mm, 7mm, 8mm
- Phillips screwdriver: #1
- Hex wrench: 1.5mm, 2mm, 2.5mm, 3mm
- Clear tape (DYNM0102)
- Pro Boat[®] Marine Grease and Gun (DYNE4200)
- Hook and Loop Tape Set, WP 4pcs (DYNK0300)

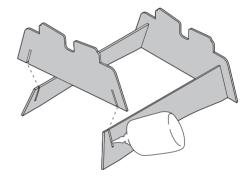
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Product Inspection

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, or contact Horizon Hobby Product Support. Refer to the Warranty and Service Contact Information section for more info.

Boat Stand Assembly

- Attach the side stand pieces to the end pieces as shown.
- Use medium CA or epoxy adhesive to secure the side stand to the ends.
- Allow the adhesive to dry before placing your boat on the stand.

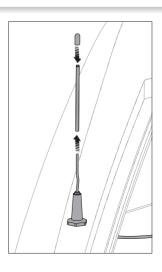


Antenna Tube Installation

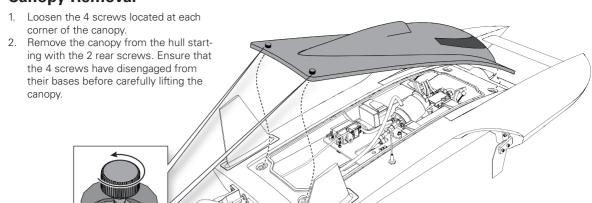
- Carefully feed the end of the receiver antenna through the grommet inside the hull.
- 2. Pull the antenna wire out of the grommet toward the outside of the boat, then slide the antenna through the antenna tube.
- 3. Insert the tube into the grommet, then fit the cap onto the tube.
- 4. Slide the clear 20mm waterproof sleeve over the grommet and hull and install the tube into the sleeve.

The antenna must be installed above the boat's waterline to get the best reception of your transmitter's signal.

NOTICE: Do not cut or kink the receiver antenna or damage may result.



Canopy Removal



Installing the Battery Packs

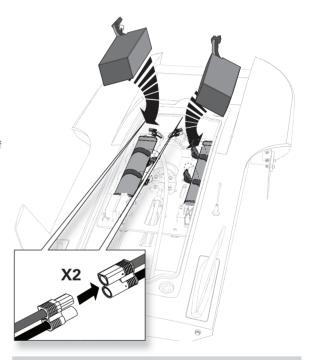
The included electronics are rated for 2S–6S LiPo batteries; however, running the stock propeller nonstop on a 6S battery could overheat your electronics or damage your batteries. If you run the stock propeller on 6S, we recommend using full throttle on straight line passes only. Return passes should be at half throttle to reduce the heat of the electronics. If you want to run 6S nonstop, use optional propeller (PRB282028).

 Install the 2 battery packs on the left and right sides of the boat hull. Secure the batteries with the included hook and loop straps. When running your boat in rough water, use Waterproof Hook and Loop Tape (DYNK0300) between the batteries and the battery tray to secure the batteries more fully.

Tip: Start with the batteries as far forward as possible, moving them 1/4 inch at a time toward the bow until your boat reaches maximum speed.

Connect each battery pack to the ESC power connectors.

The included propeller provides the best performance between 4S (14.8V) and 5S LiPo (18.5V). 5S configuration can be achieved by mounting a 3S LiPo battery (DYNB3811EC) on the left side of the boat and a 2S LiPo battery (DYNB3810EC) on the right side of the boat. The added weight of the 3S battery on the left side will counteract torque twist caused by the propeller spinning at high RPM.



WARNING: When using 2 batteries in series, always make sure they are in roughly the same condition (age) and they have the same capacity (mAh) and discharge rate (C rating). Failure to do so may cause damage to your batteries, potentially causing a fire.

Transmitter Functions

Specifications

Power Supply: 4 AA Batteries Operating Frequency: 2.4GHz Transmit Power: <100mw Control Protocol: SLT

Control: Proportional Steering and Throttle/Brake with Trim Knobs, Third Channel

with 3 Position Momentary Switch

Auxiliary Functions: 3 Position Throttle Limit Switch, Steering Rate Knob to Change Steering Travel on-the-fly, Programmable Servo Travel for Steering and Throttle/Brake

1. Throttle Trim

Adjusts the throttle neutral point

2. Steering Trim

Adjusts the steering center point. Normally, the steering trim is adjusted until the vehicle tracks straight.

- 3. LED
- Solid red lights: Indicates the power is ON and adequate battery power
- Flashing red lights: Indicates the battery voltage is critically low. Replace batteries
- 4. Steering Wheel
- 5. Throttle/Brake
- 6. Steering Rate

On-The-Fly knob for travel adjustment on the steering

7. Channel 3

3 position momentary switch, middle position is neutral

For programming press up for A button, press down for B button

8. Throttle Limit

Limits throttle output to 50/75/100%

Select 50% or 75% for less experienced drivers or when you are driving the vehicle in a small area.

9. Throttle (TH) Servo Reversing

Move the switch to reverse the throttle channel

10. Steering (ST) Servo Reversing

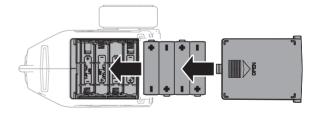
Move the switch to reverse the steering channel

11. Power Button

Installing the Transmitter Batteries

This transmitter requires 4 AA batteries.

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



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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.



CAUTION: Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to national regulations.

Factory Reset

There is a hidden mode if you want to reset the servo travel and calibration in the transmitter.

- 1. Hold full left and full brake while powering the transmitter ON to put the transmitter into programming mode. The LED will flash 4 times then turns OFF to indicate factory reset.
- Release the wheel and throttle trigger back to neutral and the LED will illuminate to indicate factory reset is complete.
- 3. Power the transmitter OFF.



B.

C.

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Battery Charger

Choose a charger designed to charge the recommended (2) Spektrum 7.4V 5000mAh 2S 100C Smart Hardcase LiPo Battery: IC5 (SPMX50002S100H5), or (2) Spektrum 11.1V 5000mAh 3S 100C Smart Hardcase LiPo Battery: IC5 (SPMX50003S100H5)We recommend the Spektrum Smart S2100 AC Charger, 2x100W (SPMXC1010). Refer to your charger manual for charging instructions and safety information.

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

Low Voltage Cutoff (LVC)

Discharging a Li-Po battery below 3V per cell may damage your battery. The included ESC protects the boat battery from over-discharge using Low Voltage Cutoff (LVC). Before the battery charge decreases too much, LVC removes power supplied to the motor. Power to the motor pulses, showing that some battery power is reserved for boat control and safe landing.

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

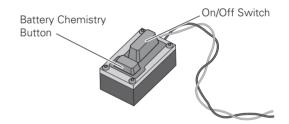
NOTICE: Repeated operation to LVC will damage the battery.

Tip: Monitor your boat battery's voltage before and after boating by using a Li-Po Cell Voltage Checker (DYN4071, sold separately).

Battery Chemistry

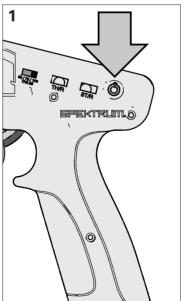
The ESC comes from the factory in Li-Po Mode. To change battery chemistry:

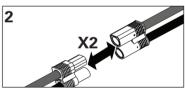
- 1. Keep the throttle at neutral and power ON the ESC.
- Press and hold the Battery Chemistry Button on the power switch for 3 seconds. The LED flashes the current battery chemistry (red = Ni-MH or Ni-Cd; green – Li-Po)
- Continue holding the Battery Chemistry Button for another 6 seconds. The ESC changes battery chemistry and the LED flashes the new battery chemistry.
- 4. Power OFF the ESC. The ESC saves the setting until it is changed.

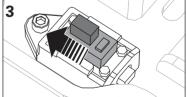


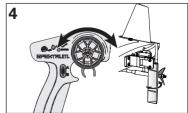
Getting Started

- 1. Power on the transmitter.
- 2. Connect the two batteries to the $EC5^{TM}$ connectors on the ESC.
- Power on the ESC switch. The ESC arming tones will sound.
- Test the transmitter's control of the boat with the boat on the display stand.









SPMSR315 Dual Protocol Receiver

Specifications

Type: Dual Protocol 3 Ch Receiver* (SLT/DSMR) **Dimensions (LxWxH)**: 32.5 x 21.5 x 12.4mm

Antenna Length: 90mm

Channels: 3 Weight: 6g Band: 2.4GHz

Voltage Range: 3.5–9.6V **Bind Type**: Bind Button

Failsafe: Hold the steering wheel and throttle trigger in the desired failsafe positions during

binding

SPMSR315 receivers included with the SLT3 transmitter include SLT and DSMR compatibility.
 If you have an SR315 receiver that was purchased by itself, you may need to install a firmware update to make your SR315 SLT compatible.

Receiver Antenna

The SR315 receivers feature a coaxial antenna design for easy installation in almost any model. Think of the last 1 inch (32mm) on the tip of the antenna as the active portion of the antenna, the coaxial portion leading up to it is just an extension. Install the antenna so the active portion is positioned as high as possible in the vehicle, and not "in the shadow" of any carbon fiber or metal. The case of the receiver can accept an antenna tube directly, making optimal antenna placement easy (antenna tube not included).

WARNING: Do not kink, cut or damage the antenna wire. The antenna is made of a coaxial wire; if the outer sheath becomes damaged, the receiver will not work properly. If the antenna is damaged in any way, replace the antenna before attempting to use the receiver.

Binding to SLT

Binding is the process of programming the receiver to recognize the GUID (Globally Unique Identifier) code of a single specific transmitter.

- Power ON the receiver, press the bind button three times quickly (within 1.5 seconds of the first button press). The LED will begin to flash with a pause.
- Set the trims and control positions at the desired failsafe settings, and power ON the SLT3 transmitter.
- 3. When the LED on the SLT3 transmitter and receiver remain lit, binding is complete.

You must rebind when:

- Different failsafe positions are desired e.g., when throttle
 or steering reversing has been changed.
- Binding the receiver to a different transmitter.

Binding to DSMR/DSM2

If loss of signal occurs, SmartSafe™ technology moves the throttle channel to its designated failsafe position (low throttle) that was set during binding. All other channels hold their last position. When the receiver detects signal from the transmitter, normal operation resumes.

Binding Procedure

- Push and Hold Bind Button
- 2. Power on Reciever
- Release Button after RX goes into Bind Mode (flashing LED)
- 4. Place transmitter in Bind Mode and finish Binding.

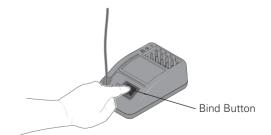
Failsafe

In the unlikely event that the radio connection is lost during use, the receiver will drive the servos to their preprogrammed failsafe positions as set during Binding.

STR THR AUX 1

If the receiver is powered on before powering on the transmitter, the receiver will enter this failsafe mode. When the transmitter is powered on, normal control is resumed.

IMPORTANT: Failsafe activates only in the event that signal is lost from the transmitter. Failsafe will NOT activate in the event that receiver battery power decreases below the recommended minimums or power to the receiver is lost.







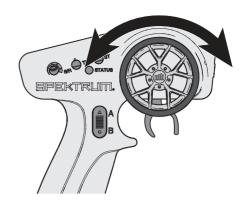
IMPORTANT: Perform a control check at the beginning of each boating session, after repair, or after installation of new batteries.

Ensure the receiver antenna is extended properly and all batteries are fully charged.

- Power ON the transmitter and the boat. Do not install the boat canopy.
- 2. Place the boat securely on the boat stand.

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

3. Check steering and throttle on the transmitter.



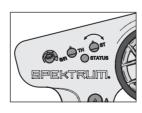
Testing Your Boat in the Water

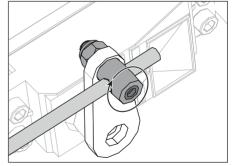
Tip: Before placing your boat in the water, secure the canopy on the hull. Apply clear tape (DYNM0102) around the canopy seam, if desired.

- 1. Carefully place the boat in the water.
- Operate the boat at slow speeds near the shoreline. Avoid objects in the water at all times. When the boat is moving forward, ensure water flows out of the coolant outlet. Remove any blockage from the rudder inlet and coolant system or the motor and ESC (electronic speed control) may overheat.
- Once you are comfortable operating the boat at slow speeds, it is safe to operate the boat farther from the shore.
- 4. If the boat does not go straight, adjust the steering trim dial on the transmitter.
- 5. Tip: If you are using excessive steering trim on your transmitter to make the boat drive straight, return the trim to neutral and mechanically center the rudder. To do this, use a 1.5mm hex driver to loosen the set screw holding the push rod to the servo. Adjust the linkage in or out of the brass barrel until the rudder is centered. Tighten the set screw using a 1.5mm hex driver.

- 6. Bring the boat back to shore when you notice the boat starting to lose speed.
- 7. Power off the ESC and disconnect the battery packs.
- 8. Allow the motor, ESC and battery packs to cool before charging the batteries or operating the boat again.

NOTICE: Always power OFF the receiver before powering OFF the transmitter. If the transmitter is powered OFF before the receiver, the receiver will enter failsafe mode.





Boating Tips

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.

Maximum speeds are only achieved when the water conditions are smooth and there is little wind. A sharp turn, wind or waves can turn over a boat when it is moving guickly. Always pilot your boat for the wind and water conditions so that the boat does not turn over.

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

Avoid boating near:

- watercraft
- people (swimming areas, fishing areas)
- stationary objects
- waves, wakes
- rapidly moving water
- wildlife
- floating debris
- · overhanging trees
- vegetation

If the propeller and rudder are blocked with debris or vegetation, remove the boat from the water and remove the debris before continuing operation.

When making turns, decrease the throttle to reduce the probability of flipping the boat over. If necessary, adjust your steering input to decrease sensitivity.

Never operate your boat in less than 12 inches (30.5 cm) of water

If you need to retrieve your boat from the water, use fishing equipment or another boat.



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



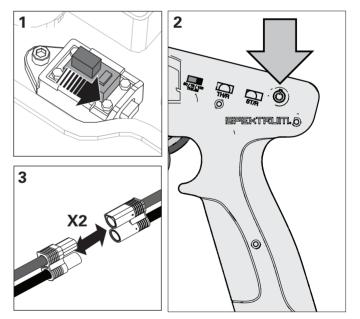
CAUTION: Never attempt to retrieve a downed boat by swimming.

NOTICE: When running at full speed in choppy waters, the prop may exit and re-enter the water repeatedly and very quickly, subjecting the propeller and flex shaft to some stress. Frequent stress may damage the propeller and flex shaft.

When You Are Finished

- Power off the receiver.
- Power off the transmitter.
- Disconnect and remove the batteries from the boat.

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

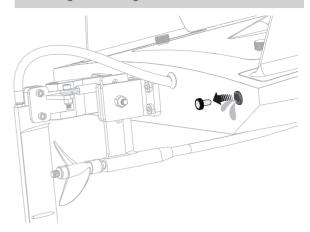


After Boating and Maintenance

- Drain water from inside the hull using the drain plug
- Fully dry the inside and outside of the boat, including the water cooling lines and jacket around the motor.
 Remove the hatch before storing your boat
- Repair any damage or wear to the boat
- Lubricate the flex shaft using Pro Boat Marine Grease (DYNE4200)
- Make note of lessons learned from the trimming of your boat, including water and wind conditions

Tip: The hook and loop strips in the boat retain water. To dry them, press on them with a dry cloth.

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.



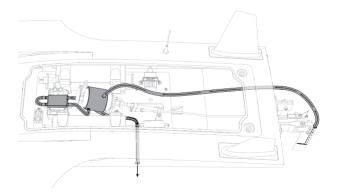
Motor Care

- Prolong motor life by preventing overheating conditions. Undue motor wear results from frequent turns, stops and starts, pushing objects, boating in rough water or vegetation and boating continuously at high speed.
- Over-temperature protection is installed on the ESC to prevent circuit damage, but cannot protect the motor from excessive physical resistance.

Water Cooling System

If water does not stream out of the water outlets while the boat is moving forward, immediately return the boat to shore and clean any obstructions or remove kinks from the water cooling lines/system.

- 1. Disassemble and clean the water cooling system to remove blockage and prevent overheating.
- 2. Replace damaged parts.

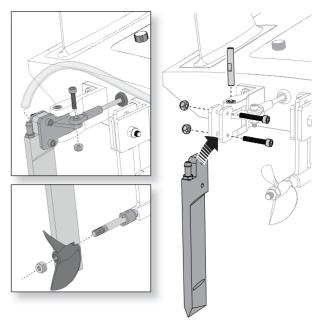


Rudder Service

- 1. Disconnect the water tube from the rudder.
- Remove the nut, screw and linkage from the rudder arm
- 3. Turn the rudder and loosen the set screw from the rudder pin.
- 4. Turn over the boat and lightly tap the rudder to remove the pin.
- 5. Assemble in reverse order.

Propeller Service

- Use an 8mm nut driver (DYN2805) to loosen the nut from the driveshaft. To secure the propeller while loosening the nut, hold the propeller.
- 2. Remove the nut and propeller from the driveshaft.
- Assemble in reverse order. Correctly align the propeller with the drive dog on the driveshaft.

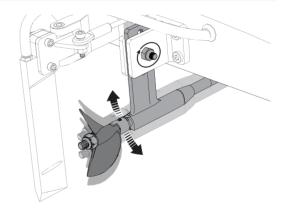


Propeller Strut Depth Adjustment

Raising the propeller strut increases speed but decreases handling.

Lowering the propeller strut increases stability but decreases speed.

- 1. Use a 3 mm hex driver and 7mm open-end wrench to loosen the propeller strut bolt.
- 2. Slide the strut up or down to change the angle of the propeller in relation to the hull.
- Once desired strut depth is achieved, tighten the nuts and bolts.



Drivetrain Lubrication

Always replace the drivetrain parts when they are damaged or show visible wear or injury and damage may result.

Lubricating the flex shaft is vital to the life of the drivetrain. The lubricant also acts as a water seal, keeping water from entering the hull through the stuffing tube. Lubricate the flex shaft and propeller strut after every 30 minutes of operation and/or everytime you change the batteries.

- Inside the hull, use 2 10mm open-end wrenches to loosen the collet nut from the flex shaft.
- 2. Slide the flex shaft out from the stuffing tube and drive strut at the rear of the boat.

Tip: Use paper or cloth to touch the flex shaft and other lubricated parts.

3. Wipe the old lubricant and material from the flex shaft.

Tip: Use motor spray (DYN5500) to break down the grease buildup.

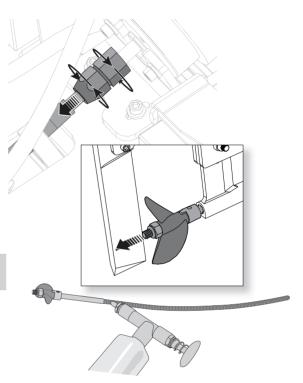
- Lubricate the full length of the flex shaft assembly up to the drive dog using Pro Boat Marine Grease (DYNE4200). Also apply grease to the collet threads.
- Carefully reinstall the flex shaft in the drive strut, stuffing tube and collet. If the flex shaft is difficult to remove from (or install into) the collet, rotate the flex shaft to the right while pulling it from (or inserting it into) the collet.

NOTICE: Do not rotate the flex shaft to the left inside the coupler.

Ensure there is a 2mm gap between the drive strut and drive dog to allow for flex shaft shrinkage under load.

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.



ESC Programing

- 1. Pull and hold the Throttle Trigger to full throttle and turn the ESC on.
- After 2 seconds a "-B-B" will sound. Wait another 5 seconds and the ESC will give a rising tone to indicate you have entered **Programming Mode**.
- 3. After entering Programming Mode, you will hear 4 tones in a loop indicating **Programmable Items**. Push the Throttle Trigger to full brake within 3 seconds after the tone sounds matching the programmable item you want to select.
- 4. After selecting a programmable item, you will hear several tones in a loop indicating **Programmable Values**. Pull Throttle Trigger to full throttle to select the value matching the tone. The ESC will give an alternating tone to indicate the item is selected.
- Keep the trigger in Full Throttle to return to Step 3 and continue item selection. Move the throttle stick to full brake position within 2 seconds to exit the Program Mode.

The black-shaded setting is the factory default

	Programn	nable Value		-B Single Beep B— Long Beep				
Programmable Items	-B	-B-B	-B-B-B	-B-B-B-B	В—	B— -B	B -B-B	B— -B-B-B
Running Mode -B	Forward Only	Forward/ Backward						
Li-Po Cells -B-B	Auto Calc.	2s	3s	4s	5s	6s		
Low Voltage Cutoff -B-B-B	None	2.8V/Cell	3.0V/Cell	3.2V/Cell	3.4V/Cell			
Timing -B-B-B	0.00°	3.75°	7.50°	11.25°	15.00°	18.75°	22.50°	26.25°

Troubleshooting Guide

tle channel on transmitter aged parts blace propeller bcharge battery battery and follow battery instructions lubricate and correctly align parts				
olace propeller echarge battery battery and follow battery instructions				
echarge battery battery and follow battery instructions				
battery and follow battery instructions				
lubricate and correctly align parts				
7 0 1				
e battery is warm (above 10° C e use				
ry or use a larger capacity battery				
driveshaft				
tation or obstacles from propeller				
ed transmitter a few feet from boat, Id reconnect battery to boat				
at and transmitter to another location and again				
compatible transmitters except the one to bind				
Replace/recharge batteries				
C switch				
ed transmitter a few feet from boat, and reconnect battery to boat				
transmitter to another location and nnect again				
Replace/recharge batteries				
C switch				
pat and ensure the hatch is fully closed fore returning the boat				
es back in the hull				
ol Direction Test and adjust controls on opropriately				
or replace water lines				
t battery or replace battery that is no ming				
il weather is warmer				
ry				
e trim to center (12 o'clock)				
g trim so vehicle drives straight				
Adjusts steering rate (ST RATE) knob on transmitted to desired steering throw				
ering throw				
ering throw on Product Support				

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 or (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-servicecenter. 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 Li-Po batteries to Horizon. If you have any issue with a Li-Po 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 noncompliant Product for a period of 60 days from notification, after which it will be discarded.

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Warranty and Service Contact Information

Country of Purchase	Horizon Hobby	Phone Number/Email Address	Address		
	Horizon Service Center (Repairs and Repair Requests)	servicecenter.horizonhobby.com/ RequestForm/	2904 Research Rd		
	Horizon Product Support	productsupport@horizonhobby.com			
	(Product Technical Assistance)	877-504-0233	Champaign, Illinois, 61822 USA		
	Sales	websales@horizonhobby.com			
	Sales	800-338-4639			
European	Horizon Technischer Service	service@horizonhobby.eu	Hanskampring 9		
Union	Sales: Horizon Hobby GmbH	+49 (0) 4121 2655 100	D 22885 Barsbüttel, Germany		

FCC Information:

FCC ID: BRWSPMSLT300 FCC ID: BRWSRIRVINGV1



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.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Horizon Hobby, LLC 2904 Research Rd., Champaign, IL 61822

Email: compliance@horizonhobby.com

Web: HorizonHobby.com

IC Information

IC: 6157A-SPMSLT300 IC: 6157A-SRIRVINGV1 CAN ICES-3 (B)/NMB-3(B)

This device contains license-exempt transmitter(s)/receivers(s) that comply with Innovation, Science, and Economic Development Canada's license-exempt RSS(s). Operation is subject to the following 2 conditions:

- This device may not cause interference.
- This device must accept any interference, including interference that may cause undesired operation of the device.



EU Compliance Statement: Hereby, Horizon Hobby, LLC declares that the device is in compliance with the

EU Radio Equipment Directive 2014/53/EU:

RoHS 2 Directive 2011/65/EU

RoHS 3 Directive - Amending 2011/65/EU Annex II 2015/863 The full text of the EU declaration of conformity is available at the following internet address: https://www.horizonhobby. com/content/support-render-compliance.

Wireless Frequency Range and Wireless Output Power **SLT3 Transmitter**

Max EIRP:16.3

Frequency Range:2403-2480MHz

SR315 Receiver

Max EIRP: -1.33dBm

Frequency Range: 2404-2476MHz

EU Manufacturer of Record:

Horizon Hobby, LLC 2904 Research Road Champaign, IL 61822 USA

EU Importer of Record:

Horizon Hobby, GmbH Hanskampring 9 22885 Barsbüttel Germany

WEEE NOTICE:



This appliance is labeled in accordance with European Directive 2012/19/EU concerning waste of electrical and electronic equipment (WEEE). This label indicates that this product should not be

disposed of with household waste. It should be deposited at an appropriate facility to enable recovery and recycling.



Replacement Parts / Ersatzteile / Pièces de rechange / Pezzi di ricambio

Part #	English	Deutsch	Français	Italiano
DYNM3831	3650 6 Pole Marine Motor 2000Kv	3650 6-poliger Bootsmotor 2000 kV	Moteur 3650 6 Pôles Marine 2000Kv	Motore marino 6 poli 3650 2000 Kv
DYNM3875	Dynamite 120A BL Marine ESC 2-6S	120A Bootsempfänger 2-6	Contrôleur Brushless 120A 2-6S	ESC marino brushless 120 A 2-6S
PRB281053	Hull	Rumpf	Coque	Scafo
PRB281054	Canopy	Kabinenhaube	Cockpit	Capottina
PRB281055	Vertical Fins	Vertikale Lamellen	Dérives	Pinne verticali
PRB281056	Rudder	Seitenruder	Gouvernail	Timone
PRB281057	Turn Fin	Wendeflosse	Stabilisateur latéral	Deriva orientabile
PRB282046	Flex Shaft	Flexwelle	Flexible	Albero di trasmissione flessibile
PRB282047	Propeller: 1.7 x 1.6	Propeller: 1,7 x 1,6	Hélice 1,7 x 1,6	Elica: 1,7 x 1,6
PRB285000	ProBoat Break-away screw, nylon	ProBoat Abbrechschraube, Nylon	Écrou de sécurité en nylon Pro Boat	Vite sganciabile ProBoat, nylon
PRB286047	Prop Strut	Propellerstrebe	Chaise d'hélice	Supporto esterno asse dell'elica
PRB286048	Rudder Pushrod Set	Rudergestängesatz	Tringlerie de gouvernail	Set aste di comando timone
SPMSLT300	SLT3 3-Channel SLT Radio System with SR315 Dual Protocol Receiver	SLT3 3-Kanal-SLT- Funksystem mit SR315 Dual-Protokoll-Empfänger	Système radio SLT à 3 canaux SLT3 avec récepteur double protocole SR315	Radiocomando SLT3 a 3 canali con ricevitore SR315 a doppio protocollo
SPMSR315	DSMR 3-Channel Sport Receiver	DSMR-Sportempfänger mit 3 Kanälen	Récepteur sport DSMR à 3 canaux	Ricevitore DSMR sport a 3 canali

Optional Parts / Diverse Teile / Pièces optionnelles / Pezzi opzionali

Part #	English	Deutsch	Français	Italiano
DYNC0028	EC5 Battery Series Harness, 10ga	Kabelbaum für EC5 Akkureihe, 10ga	Cordon EC5 pour branchement en série, 10ga	Cavi batteria EC5, 10ga
DYNC3000	Passport Ultra 100W ACDC Touch Battery Charger	Passport Ultra 100 W AC/ DC-Touch-Akkuladegerät	Chargeur Passport Ultra 100W ACDC écran tactile	Caricabatteria AC/DC Passport Ultra 100 W con touch screen
DYN4401	GPS Speed Meter	GPS-Tachometer	Tachymètre GPS	Tachimetro GPS
DYNE4201	Marine Grease 5 oz	Marine Grease 142 g (5 oz)	Graisse marine 140g	Grasso marino 5 oz
DYNT0502	Start Up Tool Set	Anfänger-Werkzeugsatz	Set d'outils de démarrage	Set attrezzi
PRB282028	Right Side Propeller, CCW Rotation, 1.4x1.65, 3/16 Shaft	Propeller rechts, CCW- Drehung, 1,4x1,65, 3/16 Welle	Hélice côté droit, rotation anti-horaire, 1,4x1,65, arbre 3/16	Elica lato destro, rotazione antioraria, 1.4x1.65, albero 3/16
SPMS605	9KG Servo, WP, Metal, 23T	9KG Servo, WP, Metallf, 23T	Servo 9Kg à pignons métalliques, étanche, tête 23T	Servo 9 kg., waterproof, metallo, 23T
SPMMR4000	MR4000 DSMR 4 Ch Marine Receiver	MR4000 DSMR 4 Ch Bootsempfänger	Récepteur MR4000 4 voies marin	Ricevente marina MR4000 DSMR 4 canali
SPMSS6250	S6250 High Torque, HV Dig Servo	S6250 Digitaler HV-Servo mit hoher Drehzahl	Servo S6250 Digital HV, couple élevé	Servo digitale HV S6250 high torque

Recommended Parts / Empfohlene Teile / Pièces recommandées / Pezzi consigliati

Part #	English	Deutsch	Français	Italiano
DYN2801	Nut Driver: 4mm	Mutterndreher: 4mm	Tournevis p/écrou: 4mm	Cacciavite a bussola: 4 mm
DYN2803	Nut Driver: 5.5mm	Mutterndreher: 5,5mm	Tournevis p/écrou: 5,5mm	Cacciavite a bussola: 5,5 mm
DYN2805	Nut Driver: 8mm	Mutterndreher: 8mm	Tournevis p/écrou: 8mm	Cacciavite a bussola: 8 mm
DYN2819	5 pc Metric Hex Driver Assortment	5-teiliges metrisches Inbusschlüssel-Set	Assortiment de 5 tournevis hexagonaux métriques (5pcs)	Set 5 pz. chiavi a brugola metriche
SPMX50002S100H5	7.4V 5000mAh 2S 100C Smart Hardcase LiPo Battery: IC5	7.4V 5000mAh 2S 100C Smart Li-Po- Akku, Hartschale: IC5	Batterie Li-Po Smart 7,4 V 5 000 mAh 2S 100C, boîtier rigide : IC5	Batteria 7,4V 5000 mAh 2S 100C Smart Hardcase LiPo: IC5
SPMX50003S100H5	11.1V 5000mAh 3S 100C Smart Hardcase LiPo Battery: IC5	11.1V 5000mAh 3S 100C Smart Li-Po- Akku, Hartschale: IC5	Batterie Li-Po Smart 7,4 V 5 000 mAh 2S 100C, boîtier rigide : IC5	Batteria 11,1 V 5000 mAh 3S 100C Smart Hardcase LiPo: IC5
DYNC0031	EC5 Device Charge Lead, 12AWG	EC5 Geräteladekabel, 12AWG	Câble de charge EC5, 12AWG	Cavo caricabatteria EC5, 12AWG
SPMXC1010	Smart S2100 AC Charger, 2x100W	Spektrum S2100 Smart Wechsel-/ Gleichstrom- Ladegerät, 2 x 100 W	Chargeur Spektrum Smart S2100 CA/CC, 2x100 W	Caricabatterie Spektrum S2100 CA/ CC Smart, 2x100 W
DYN4071	Li-Po Cell Voltage Checker	Li-Po-Zelle Spannungsprüfer	Testeur de tension d'élément Li-Po	Strumento controllo voltaggio batterie LiPo
DYNE4200	Grease Gun with Marine Grease 5 oz	Fettpresse mit Marine Grease 142 g (5 oz)	Pistolet avec graisse marine 140g	Pistola sparagrasso con grasso marino 5 oz
DYNK0300	Hook & Loop Tape Set, WP 75x25mm 4pcs	Klettbandsatz, Wasserfest 75 x 25 mm, 4 Stück	Adhésif auto-agrippant 75x25mm (4pcs)	Nastro a strappo, waterproof, 75 x 25 mm 4 pz.
DYNM0102	Clear Flexible Marine Tape (18M)	Transparentes, flexibles Marine Tape (18 m)	Adhésif Marin transparent flexible (18M)	Nastro marino flessibile trasparente (18 m.)
DYNS3005	Dynamite LED Program Card	Dynamite LED- Programmkarte	Carte de programmation à DELs pour bateau	Scheda di programmazione LED Dynamite

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