

Owner's Manual & Safety Instructions

Save This Manual Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures. Write the product's serial number in the back of the manual near the assembly diagram (or month and year of purchase if product has no number). Keep this manual and the receipt in a safe and dry place for future reference.

21j

REMOTE CONTROL BOAT



Visit our website at: <http://www.harborfreight.com>
Email our technical support at: productsupport@harborfreight.com

57990

When unpacking, make sure that the product is intact and undamaged. If any parts are missing or broken, please call 1-888-866-5797 as soon as possible.

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No portion of this manual or any artwork contained herein may be reproduced in any shape or form without the express written consent of Harbor Freight Tools. Diagrams within this manual may not be drawn proportionally. Due to continuing improvements, actual product may differ slightly from the product described herein. Tools required for assembly and service may not be included.

⚠WARNING

Read this material before using this product. Failure to do so can result in serious injury. **SAVE THIS MANUAL.**

Important Safety Information

1. Keep your work area clean and well lit. Cluttered benches and dark areas invite accidents.
2. Do not operate Boat in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Radio Control electronics may create sparks which may ignite the dust or fumes.
3. Keep bystanders and visitors away while operating. Distractions can cause you to lose control. Protect others in the area from rapidly spinning propellers. Provide barriers or shields as needed.
4. Stay alert. Watch what you are doing, and use common sense when operating this Boat. Do not use while tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating may result in serious personal injury.
5. Dress properly. **Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing, and gloves away from moving parts.** Loose clothes, jewelry, or long hair can be caught in propellers.
6. Avoid accidental starting. **Be sure the Power Switch is off before plugging in.** Carrying this Boat with your finger on the Power Switch invites accidents.
7. Do not overreach. **Keep proper footing and balance at all times.** Proper footing and balance enables better control.
8. Use safety equipment. **Always wear eye protection.** Always wear ANSI-approved safety goggles and work gloves when using or performing maintenance on this product.
9. Do not use the Boat if the Power Switch does not turn it on or off. Any tool that cannot be controlled with the Power Switch is dangerous and must be replaced.
10. Disconnect the charging cable from the power source before making any adjustments, changing accessories, or storing the Boat. Such preventive safety measures reduce the risk of starting accidentally.
11. Store out of reach of children and other untrained persons. Never allow Children to come in contact with this product.
12. Maintain with care and keep clean. Properly maintained, this product is easier to control. Do not use if damaged in any way. Tag and "Do not use" until repaired.
13. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the Boat's operation. **If damaged, have it serviced before using.** Many accidents are caused by poor maintenance.
14. Use only accessories that are recommended by the manufacturer for your model. Accessories that may be suitable for one product may become hazardous when used on another.
15. Contains Li-Ion battery. Battery must be recycled or disposed of properly. Do not open, crush, heat above 140° F or incinerate.
16. Product service must be performed only by qualified repair personnel. Service or maintenance performed by unqualified personnel could result in a risk of injury.
17. When servicing this product, use only identical replacement parts. **Follow instructions in the "Inspection, Maintenance, And Cleaning" section of this manual.** Use of unauthorized parts or failure to follow maintenance instructions may create a risk of electric shock or injury.

Specific Safety Rules

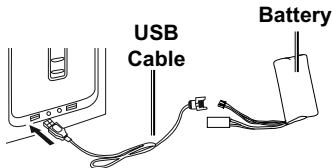
1. **Maintain labels and nameplates on the product.** These carry important information. If unreadable or missing, contact Harbor Freight Tools for a replacement.
2. **Maintain a safe working environment.** Make sure there is adequate surrounding workspace.
3. **Always keep all electrical cords away from the propellers on this Boat.**
4. **If two Boats with the same radio frequency are used (both with the same numbers on the Transmitter and/or Receiver), they must be at least 1640' away from one another in order to maintain adequate transmission control.**
5. **Before using in the water perform a distance check to be certain that you can maintain radio control at least 25' from Transmitter to Boat.**
6. **NEVER run Boat in swimming pools or bodies of water where people are swimming or playing.**
7. **NEVER run Boat in flowing water, such as a river or stream. Run Boat in a lake.** Be mindful of wildlife or nearby fishermen.
8. **NEVER recharge non-rechargeable batteries.**
9. Do not install old and new batteries together. Do not install alkaline, carbon-zinc or rechargeable batteries together. Position batteries in proper polarity. Do not use swollen or leaking batteries.
10. **Remove batteries from both the Boat and the Transmitter if they will not be used for a long period.**
11. **People with pacemakers should consult their physician before using this product.** Electromagnetic fields in close proximity to a heart pacemaker could cause interference to or failure of the pacemaker. In addition, people with pacemakers should adhere to the following:
 - Avoid operating this Boat alone.
 - Don't use this product with the power switch locked on.
 - If powered via a power cord be certain that the tool is properly grounded. A ground fault interrupt (GFCI) system is also a good precaution. This inexpensive device is a good safety measure because it prevents a sustained electrical shock.
 - Properly maintain and inspect all tools before use to avoid electrical shock.
12. **Never pick up, or lay down the Boat until its Propellers come to a complete stop.** Moving parts can grab the surface and pull the Boat out of your control and there is the possibility of damage, or personal injury. When handling this Boat, be sure to keep hands clear of propellers at all times.
13. **This product is for supervised use by ages 8 and up.** Children must be properly trained in safety issues and operating procedures before being allowed to use this product and must always be supervised by a responsible adult.
14. **WARNING: Always remove the Battery from the Battery Compartment when it is being charged.**
15. **Always wear work gloves if removing the Propellers.** The blades can be very sharp. If the Boat has been recently used, let the Motors as well as both Drive Shafts cool at least 15 minutes before touching.
16. **Do not recharge the Battery if it is hot.**

Unpacking

1. Carefully slide the cardboard support containing the Boat out of the packaging.
2. Remove the Remote.
3. Remove the Boat from the cardboard. If any part does not slide out easily, stop and clear the obstruction before proceeding.

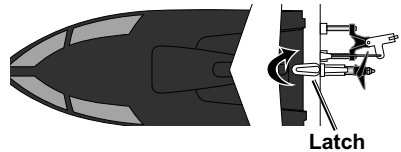
Battery Charging and Installation

1. Remove Battery from package.
2. Connect Battery to USB Cable, then plug Cable into a USB power source capable of 2A output.

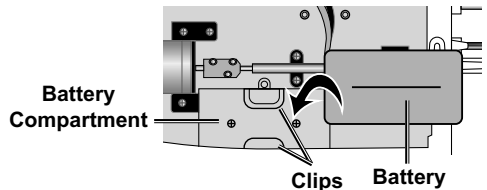


3. While Battery is charging, red LED light on charger is on. When fully charged, LED light turns off. Charging takes approximately 2 hours.
4. When charging is complete, disconnect Battery from USB Cable and power source.

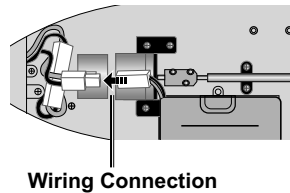
5. To install Battery, turn and open Deck Cover latch.



6. Place Battery into compartment within Deck housing, and secure it underneath both clips.



7. Connect battery wire to housing wire.



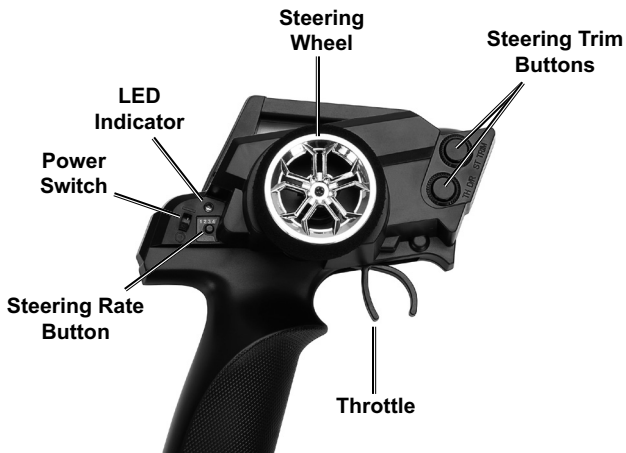
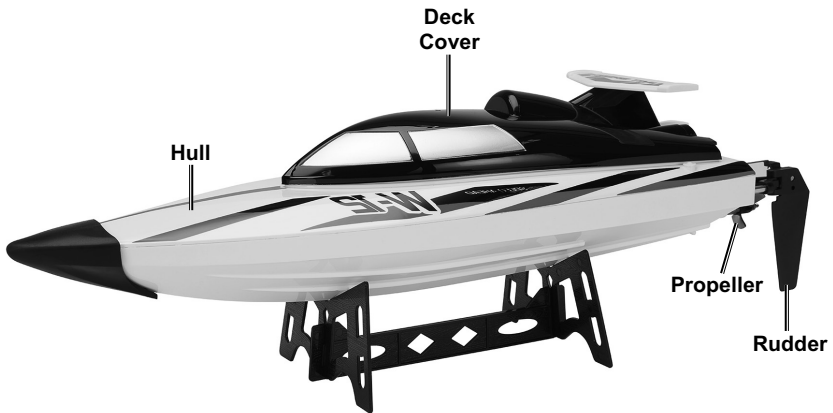
Remote Control

1. Make sure Remote Control is turned OFF.
2. Push open the battery cover on the back of the Remote.
3. Insert four AA batteries (not included) into battery compartment, following indicated polarity.
4. Push battery cover back into place and make sure it is securely closed.

Specifications

| | |
|----------------------------|------------------------------------|
| Boat Battery | 7.4 V, 1500 mAh, Li-ion |
| Remote Battery | 4 "AA" batteries (sold separately) |
| Charger Output | 7.4V / 1.3A |
| Remote Control Frequencies | 2420 - 2465 MHz |
| Control Range | 325' |
| Run Time | 8 minutes per full charge |

Components and Controls



Pairing Boat to Remote

CAUTION! Keep spectators a safe distance away during use.

Note: The boat will not operate until placed in water.

Note: Before each use, follow these steps to pair the Boat with the Remote:

1. Ensure that the Remote is turned off.
2. Place Boat in the water and stand behind it with the Propeller facing you.
3. Turn Remote on. The red indicator light on the Remote will flash once then remain lit, indicating that pairing was successful.
4. Operate the controls on the Remote to make sure the Boat is working.

Note: If the Remote's red light flashes continuously and the Boat does not move, make sure that Battery is connected properly. Repeat pairing process.

Note: When the Boat's battery is low, the Remote will emit a beeping sound. This indicates that the Boat should be brought back to shore immediately.

Note: Electronic equipment or other radio control devices may affect the performance of your Remote Control Boat. Find an area free of such interference when operating Boat.

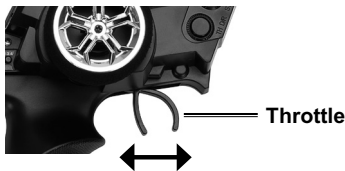
Operating Boat

CAUTION! Keep spectators a safe distance away during use.

Note: The boat will not operate until placed in water.

Note: Read through this section completely and get familiar with the controls BEFORE using Boat.

1. To start the Boat, place in water and pair to Remote as explained above.
2. Push Throttle forward to move the Boat in a forward direction. Pull Throttle back to move the Boat in reverse.
4. Use Trim buttons to correct Boat's course. If Boat veers to the right, press the upper button until the Boat straightens itself out. The lower button will correct course if Boat veers to the left.



3. Turn the Steering Wheel left to make the boat turn left, and turn Wheel right to make the boat turn right.



5. Use Steering Rate button to control Boat's steering limits when making turns. Use button as follows to control turning radius:
 - a. One Beep is 80% steering for high speed (larger turning radius).
 - b. Two Beeps is 100% steering for tighter turning (smaller turning radius).



Steering Rate

Cleaning and Storage

1. After Use, use a mild detergent on a clean cloth to remove any dirt from the Boat.
2. Remove batteries from Remote Control and Boat, then store Boat and accessories in a dry area away from direct sunlight and out of the reach of children.

Battery Removal

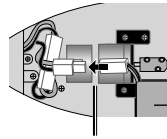
Contains Li-Ion battery. Battery must be recycled or disposed of properly.

1. To remove Battery, turn and open the Deck Cover latch.



Latch

2. Disconnect battery wire from housing wire and remove Battery from its compartment.



Wiring Connection

FCC Statement



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.

Warning! Any 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 receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult an experienced radio/TV technician for help.

The responsible party in the United States for compliance of the equipment is:

Harbor Freight Tools, 26677 Agoura Road, Calabasas, CA 91302

1-888-866-5797 • <http://www.harborfreight.com>

Limited 90 Day Warranty

Harbor Freight Tools Co. makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of 90 days from the date of purchase. This warranty does not apply to damage due directly or indirectly, to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, criminal activity, improper installation, normal wear and tear, or to lack of maintenance. We shall in no event be liable for death, injuries to persons or property, or for incidental, contingent, special or consequential damages arising from the use of our product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS.

To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection verifies the defect, we will either repair or replace the product at our election or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

Record Serial Number Here:

Note: If product has no serial number, record month and year of purchase instead.

Note: Replacement parts are not available. Reference UPC 193175429735