

# X-WAVE™

MICRO R/C SYSTEM

EI-881  
Instruction Manual

**CONTENT**  
- X-Wave Hovercraft  
- Transmitter  
- Instruction manual

**KEY FEATURES**  
- Full function radio control

**Safety Precautions:**

- Parents, this toy is recommended for children. To ensure that your child's play is both safe and fun, please review the operating instructions with your children.
  - **DO NOT** pick up moving Hovercraft.
  - Keep hands, hair and loose clothing away from the propeller when power switch is turned ON.
  - Remove battery from transmitter and X-Wave Hovercraft when not in use.
  - **DO NOT** operate your Racing Boat near swimmers. Stay behind the water's edge when operating.
- Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**Cautions:**

- Non-rechargeable batteries are not to be recharged.
- Rechargeable batteries are to be removed from the toy before being charged.
- Rechargeable battery are only to be charged by an adult.
- Different types of batteries or new and used batteries are not to be mixed.
- Only batteries of the same or equivalent type as recommended are to be used.
- Batteries are to be inserted with correct polarity.
- Exhausted batteries are to be removed from the toy.
- The supply terminals are not to be short-circuited.

**Care and Maintenance:**

- Always remove batteries from the toy when it is not being used for a long period of time.
- Wipe the toy gently with a clean damp cloth.
- Keep the toy away from direct sunlight and/or direct heat.
- Do not submerge the X-Wave Hovercraft into water unless the battery compartment is properly closed and locked.

**Note:**

- Parental guidance is recommended when installing or replacing batteries.
- New batteries are recommended to use in this toy to obtain best and maximum performance.
- You are advised to replace with new batteries as soon as the function becomes impaired.
- Users should keep and retain this information for future reference.
- Users should keep strict accordance with the instruction manual while operating the product.

**Special Note to Adults:**

- This toy is not intended for children under 3 years old.
- This toy must only be used with the recommended transmitter.

**Battery requirement for Transmitter:**

- Power Supply : DC 4.5V 0.2W
- Rating : DC 4.5V 0.2W
- Batteries : 3 x 1.5V "AAA"/LR03/AM4
- Requires 3 x 1.5V "AAA" size batteries(not included)

**Battery requirement for Hovercraft:**

- Power Supply : DC 1.5V 0.6W
- Rating : DC 1.5V 0.6W
- Battery : 1 x 1.5V "AAA"/LR03/AM4
- Requires 1 x 1.5V "AAA" size battery (not included)

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**WARNING:**  
CHOKING HAZARD – Small parts.  
Not for Children under 3 years.

"This product is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC."

**FCC Statements**

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.

**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 the dealer or an experienced radio/TV technician for help.



**Index to parts**



**Getting Started**

- Batteries:**  
- The X-Wave Hovercraft is powered by 1 x 1.5V "AAA" size battery. (not included)  
- The Transmitter is powered by 3 x 1.5V "AAA" size batteries. (not included)

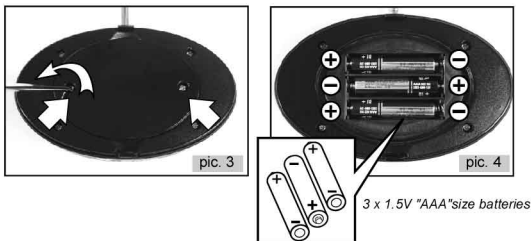
**Battery Installation: X-Wave Hovercraft**

- Make sure the power switch is on "OFF" position.  
1. Use a tool to turn and remove the battery cover. (pic.1)  
2. Insert new "AAA" size alkaline battery with "+" & "-" signs as shown inside the battery compartment. (pic.2)  
3. Replace the battery compartment cover to the Hovercraft.



**Battery Installation: Transmitter**

1. Use a philip's head (Cross-Head) screwdriver to loosen two screws in counter-clockwise. (pic.3)  
2. Insert new "AAA" size alkaline batteries with "+" & "-" signs as shown inside the battery compartment. (pic.4)  
3. Close the battery compartment cover use a philip's head (Cross-Head) screwdriver.



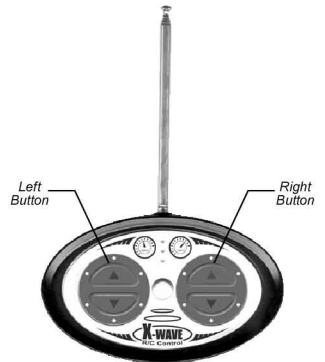
**Driving your X-Wave Hovercraft**

**Start to play:**

- \* Switch on the X-Wave Hovercraft.
- \* Steer the X-Wave Hovercraft by adjusting the control buttons of transmitter in different combinations to perform actions.
- \* For best results, hold antenna up, do not point down toward X-Wave Hovercraft.
- \* After use, switch off the X-Wave Hovercraft.
- \* If the X-Wave Hovercraft is to be "parked" for a relatively long time, remove all batteries from the transmitter and X-wave Hovercraft.

**Driving:**

Left Button	Right Button	Action
▲	▲	↑
▼	▼	↓
↙	▲	↖
▲	↘	↗
▼	▼	↙
▲	▼	↘
▼	▲	↖
▲	▲	↗



**WARNING:**

Never allow young children to play in or around water without adult supervision.

**Driving Tips:**

- \* Operate only in calm, clear water for the X-Wave Hovercraft. Pools and shallow ponds are recommended.
- \* After each use, wipe with a towel and allow to dry completely.
- \* When your X-Wave Hovercraft runs erratically, the problem is usually the result of interference caused by high tension wires, radios, or other R/C toy running close by on the same frequency as yours. You may have to choose an alternate place to race.
- \* Do not operate near concrete walls which may disturb transmission.
- \* Your X-Wave Hovercraft is designed for operation in fresh water. Avoid in salty water operation.
- \* Do not submerge the X-Wave Hovercraft & remote controller in water for a long time.

**Trouble Shooting:**

Symptom	Cause	Correction
Hovercraft does not react, or react poorly to operation by transmitter.	* High-frequency interference occurred near to high-voltage lines, transformers and some types of building.	* Avoid these if possible, or choose another place to operate the Hovercraft.
Loss of control	* Another radio control Vehicle using the same frequency is operated near your vehicle. * Out of the control range of distance.	* Race against other Vehicle using different frequencies. * Move to another place where without radio frequency interference from another device.
Hovercraft runs slowly or does not run.	* Loose battery connection * Main power switch is not in "ON" position. * Batteries are not placed in compartment correctly. * Batteries are exhausted.	* Check battery connection. * Switch on the power. * Check the battery polarity. * Replace all old batteries with new ones.