



# CATAMARAN

## Sailing Manual



**megatech**<sup>®</sup>

Worldwide leader in radio control entertainment™

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

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If you have questions about operating or assembling your new Megatech product...  
Please Call Megatech First!

## DO NOT RETURN THIS PRODUCT TO THE STORE

Call our Service Department at:  
(888) MEGA-911 or (201)662-8500  
or email: support@megatech.com

9:30am - 5:30pm, EST Monday through Friday (except holidays)

Technical assistance is also available on the web at [www.megatech.com](http://www.megatech.com)

## READ ENTIRE MANUAL BEFORE ATTEMPTING TO USE

**Note:** The following manual will refer to both the St Thomas and St. John as Catamaran. The only difference between the two is the color and radio channel they operate on. The available frequency channels are 27 MHz and 49 MHz.

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Important! Before you begin, please read all safety precautions and warnings. Failure to comply with any of the following could lead to bodily harm or injury. The Megatech Catamaran is not intended for those under 10-years of age without proper adult supervision.

## SAFETY PRECAUTIONS

### TRANSMITTER SAFETY

- To avoid radio interference, before you begin to run your Catamaran, look at the frequency sticker on the back of your transmitter and make sure no one in the area is on the same frequency.
- Do not operate until you have checked if other radio-controlled devices operating in the same area are on the same frequency as your Catamaran
- Since this model is controlled by a radio link, it is very important to always keep a fresh alkaline battery in the transmitter.

### SAFETY GUIDELINES

- You alone are responsible for operating your model in a safe manner. You are responsible for your own safety and the safety of others around you. Follow these basic safety guidelines at all times.
- Never operate the Catamaran near swimmers.
- When operating, always be aware of the spinning propellers. Do NOT let propellers come close to your body, other people or loose objects such as clothing or jewelry.
- Always operate the Catamaran in areas where there is no swimming or full-sized boating.
- Make sure that the area is free from obstructions such as floating objects or seaweed.
- Do not run the Catamaran if the water is too rough (waves over 3-inches high).
- Never operate your Catamaran after dark.
- Do not attempt to disassemble any of the model's components.
- Never use solvents or liquid cleaners to clean this model. Doing so may damage the unit or electronics. Only use a dry, soft cloth for cleaning.
- Never leave Catamaran unattended when switched on.
- Remove battery from transmitter and Catamaran when not in use or if you are going to store your Catamaran for any length of time.
- Keep the Catamaran away from heat or fire. Never leave the model or transmitter in direct sunlight for any length of time.

### RECHARGEABLE BATTERY WARNINGS AND PRECAUTIONS

- Always allow the 9.6-volt rechargeable battery pack to cool before charging or discharging.
- Only use the included charger or a charger specifically designed for charging a 9.6-volt Rechargeable NiCad battery pack.
- Never leave the battery unattended while charging.
- Always remove the rechargeable battery pack from your Catamaran while charging.
- Do not store your rechargeable battery pack inside the boat when not in use.
- Do not charge 9.6-volt NiCad battery pack longer than 4 hours with the included charger.



### NICKEL-CADMIUM BATTERIES MUST BE PROPERLY DISPOSED OF.

For current regulations in your area and proper disposal sites please call 1-800-822-8837 or visit [www.rbcc.org](http://www.rbcc.org).

## PACKAGE CONTENTS

First make sure the contents of your package are complete:

- A. Catamaran
- B. Transmitter
- C. Rechargeable 9.6-volt NiCad battery pack
- D. AC wall charger
- E. Transmitter Antenna
- F. 9v Heavy Duty battery

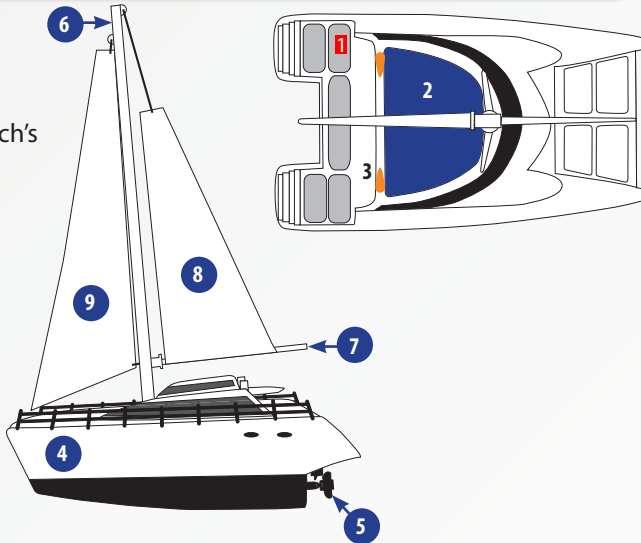
**NOTE: Before you begin: Remember to remove the "Try Me" button from the catamaran. Firmly pull the wire away from the deck of the catamaran then discard the "Try Me" button unit.**



## GETTING ACQUAINTED WITH YOUR CATAMARAN

### Catamaran

- 1. ON/OFF Switch
- 2. Battery Compartment
- 3. Battery Compartment Latch's
- 4. Hull
- 5. Propeller
- 6. Main Mast
- 7. Boom
- 8. Mainsail
- 9. Jib



### Transmitter

- 11. Power Switch
- 12. Left-hand (port) motor Control Stick
- 13. Right-hand (starboard) motor Control Stick
- 14. Mail Sail up button
- 15. Mail Sail down button



## CAUTION

**READ THIS SECTION BEFORE CHARGING YOUR BATTERY PACK FOR THE FIRST TIME!**

- Never leave the model unattended while charging.
- Always allow the battery to cool before charging or discharging.
- Do not charge the 9.6-volt battery pack more than 4 hours with the included charger. Charging longer may damage the battery.

## CHARGING THE ON-BOARD BATTERY PACK

**NOTE: MAKE SURE BATTERY IS COMPLETELY COOL BEFORE ATTEMPTING TO CHARGE. FAILURE TO DO SO MAY CAUSE PERMANENT DAMAGE TO THE BATTERY AND POSSIBLE BODILY HARM.**

- 1) Plug in the included AC wall charger into a household socket.
- 2) Plug the connector from the adapter charging wire into the 9.6 volt Rechargeable battery pack.
- 3) Charge until the battery is slightly warm to the touch. (do not charge for more than 4-hours)
- 4) When charging is complete disconnect the battery from the charger's cord, and then unplug the charger from the wall socket.



**ATTENTION PARENTS: The charging wall adapter, wire, battery flight pack, and all electrical connections need to be periodically examined for potential conditions that may result in the risk of fire, electrical shock, or injury to persons. In the event of such condition, the hazardous parts should not be used until properly repaired or replaced.**

## INSTALLING THE TRANSMITTER BATTERY

- 1) Using a Philips Head screwdriver, unscrew the battery hatch hold-down screw, and remove the hatch.
- 2) Paying close attention to the polarity (+ and -) install the included 9-volt heavy duty battery.
- IMPORTANT! If the transmitter battery is not installed according to proper polarity, the transmitter will not function and electrical damage may occur.**
- 3) Reattach the battery hatch and secure with hold-down screw. (Do not over tighten)
- 4) Turn the Transmitter on to make sure that Red LED illuminates bright and the transmitter powers up and then turn the transmitter off.



**NOTE: If the Red LED does not illuminate or is dim change the transmitter battery with a fresh 9 volt Alkaline Battery. If the transmitter still does not light contact Megatech Service Department at 888-634-2911. Remember always Remove transmitter battery when not in use.**

## INSTALLING THE TRANSMITTER ANTENNA

1) Install the antenna into the top of the transmitter and continue to turn it clockwise until it is tight. Do not over tighten.



## INSTALLING THE ONBOARD BATTERY

- 1) Pull and rotate both the battery hatch retaining latches toward the direction marked open.
- 2) Pull up and slide back to remove the battery hatch.
- 3) Connect the 9.6 volt rechargeable battery pack as shown.
- 4) Place the battery inside the compartment making sure the wires are tucked low so that the hatch can easily close.
- 5) Install the battery hatch by inserting the front tabs of the hatch into the retaining slots.
- 6) Press down on the back of the hatch until the top of the hatch is flush with the top of the boat.
- 7) Next rotate the retaining latches inward until the hatch is locked in place.



The boating duration will be less in the beginning, but as you run your boat and recharge the battery, run time will improve.



**The transmitter is always the first thing ON and the last thing OFF. This is to prevent accidental propeller startup.**

## SAILING SCHOOL

### 1) Choose a Sailing Site & Weather Conditions

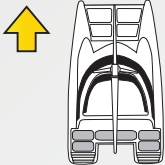

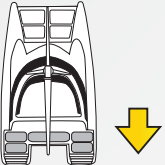

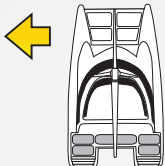

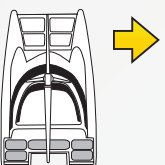

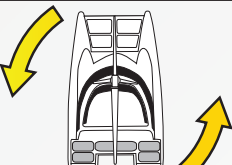



- Choose a large open area to sail, such as a pool, pond, lake, or calm bay.
- Never sail near boats, docks, people, wildlife, or other obstructions.
- Choose a day with little or no wind. Do not sail in wind greater than 5mph.

### 2) Pre-sail checklist

- Fully extend the transmitter's antenna.
  - Turn the transmitter power switch to the "ON" position. The red LED light will illuminate on the front of the Transmitter.
- NOTE: If the Red LED does not illuminate or is dim change the transmitter battery with a fresh 9V Alkaline Battery.**
- Switch on the Catamaran boat as shown.
  - Holding the boat firmly with the propellers pointing away from you, move the forward and reverse control stick on the left to ensure that the propeller spins accordingly.
  - Move the forward and reverse control stick on the right to ensure that the propeller spins accordingly.
  - Push the sail up button and then the sail down button to ensure that the sail raises and lowers accordingly.
  - Check to make sure that all controls are working as indicated above. Once everything is checked you are ready to sail.

**NOTE: Always make sure your transmitter has a fresh 9-volt alkaline battery installed and the Catamaran's on-board NiCad battery pack should be fully charged.**

### 3) Driving your Catamaran

MOVE CATAMARAN FORWARD		
		Both left and right-hand control sticks are pushed forward.
MOVE CATAMARAN BACKWARDS		
		Both left and right-hand control sticks are pulled back.
TURN CATAMARAN LEFT		
		Only the right-hand control-stick is pushed forward.
TURN CATAMARAN RIGHT		
		Only the left-hand control-stick is pushed forward.
LEFT HAND "SPIN TURN"		
		The right-hand control-stick is pushed forward, while at the same time, the left-hand control-stick is pulled back.
RIGHT HAND "SPIN TURN"		
		The left-hand control-stick is pushed forward, while at the same time, the right-hand control-stick is pulled back.

### 4) operating the mainsail

To make the mainsail go up.

1) Push the top-left blue transmitter button.

To make the mainsail go down.

2) Push the top-right blue transmitter button.

**CAUTION:** If winds are greater than 5-mph, it is recommended that you run your Catamaran with the mainsail in the lowered position.

**NOTE:** When the Catamaran starts to loose speed, this is an indication that the rechargeable battery power is low. Return your Catamaran to "port", and recharge the 9.6-volt NiCad battery pack.



### TROUBLESHOOTING

If you are experiencing trouble, please follow these guidelines or call one of our Technicians at 1-888-634-2911 or email: support@megatech.com. We will have you up and sailing in no time!

PROBLEM	CAUSE	SOLUTION
Catamaran does not respond to controls or has poor range	Transmitter 9-volt battery is weak.	Replace 9-volt battery
	Someone else is already operating on the Catamaran radio	Immediately shut off your Catamaran and transmitter, and wait your turn.
No power to the radio control transmitter.	9-volt battery is incorrectly installed	Make sure battery is installed with correct polarity and good contact is being made between battery and contact-tabs.
	Batteries are exhausted	Install fresh "AA" 1.5V alkaline batteries
Catamaran model is moving very slowly or not moving at all.	Rechargeable 9.6-volt battery power is low.	Recharge the 9.6 volt battery pack using the included AC charger.
	One or both propellers are fouled with debris.	Turn off the model, disconnect the 9.6-volt battery pack, and then remove the debris.

## PARTS LIST

Spare, repair and replacement parts are readily available for your aircraft. Should you need parts, visit your local hobby dealer first. If unavailable, you may order directly from Megatech. Use this sheet as a guide.

PART#	DESCRIPTION
MTC692501	Sails, mast, rigging & boom set for Catamaran
MTC3906	9.6-volt rechargeable battery pack
MTC3809	AC wall charger
MTC692502	Transmitter
MTC692503	Transmitter antenna

**Telephone Orders: (201) 662-8500**  
**www.megatech.com**

**Fax Orders: (201) 662-1450**  
**email: sales@megatech.com**

Megatech International Inc.  
8300 Tonnelle Avenue  
North Bergen NJ, 07047

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 correcting 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 experienced radio/TV technician for help.

### Megatech® Crash Warranty

For a period of 1-year from the date of purchase, if your Catamaran is badly damaged, for whatever reason, Megatech will replace the entire boat no questions asked for a nominal fee of \$39.99 including regular ground shipping to the 48 continental states (AK, HI, & PR add \$10; for international orders the actual shipping charges will apply).

Follow these steps and a brand new Catamaran Boat will be shipped directly to you:

- (1) Pack the complete unit and all components carefully and place in a sturdy shipping carton.
- (2) Return the product along with proof of purchase
- (3) Include a postal money order for the proper amount as indicated above.

### Megatech® Limited Warranty

Megatech® International guarantees this item to be free from defects for a period of 30-days from the date of purchase. This warranty does not extend beyond the initial preflight testing. Carefully check parts and operation BEFORE your first use. Damage incurred caused by misuse or modification is not covered under the warranty.

If you discover defects during the very first pre-sail testing during this 30-day period, please call our Support Team toll free at 1-888-634-2911 for Return Authorization. If in our opinion after inspecting the product, we determine it to be defective; we will repair or replace it at our discretion.

Contact the Megatech® International Service Department before returning any item that is defective according to the limitations listed above.

If you are issued return authorization and asked to send the item to our Service Department please follow these steps:

- (1) Remove the alkaline battery from the transmitter.
- (2) Pack the returned item(s) carefully and place in a sturdy shipping carton.
- (3) Return the product along with proof of purchase.
- (4) PLEASE DON'T FORGET! Include a letter describing the problem.
- (5) Include your address and telephone number.
- (6) Include \$10.99 for return shipping & handling (AK, HI & PR add \$10; for international shipments actual shipping charges apply).

This warranty does not cover any damage caused by use, misuse, alteration, accident, or neglect, nor does it cover normal wear and tear of the product. Product returned to us that falls under this category will be submitted to our service department for repair. We reserve the right to charge any service and parts fees incurred when repairing the item.

Although this warranty does not cover any damage caused to the model after initial running, spare parts and service are available.

Under no circumstances will Megatech® International or any of its representatives be held liable for injury to persons or property damage resulting from assembly or use of the product. Megatech® is not liable if any outside radio frequencies interfere with the product's frequency causing loss of control. Megatech® International will not be held liable for any personal injury or property damage resulting from an out-of-control model caused by use or misuse of the product.

This warranty is void if the product in question has been altered or repaired by anyone other than Megatech International or an authorized agent.



Megatech® International  
8300 Tonnelle Avenue  
North Bergen, NJ 07047  
(201) 662-8500  
[www.megatech.com](http://www.megatech.com)  
Email: [support@megatech.com](mailto:support@megatech.com)

