

# OCEAN EXPLORER 1®



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## Please read ALL instructions and precautions carefully before operating this submarine.



**Caution:**



- ❑ The propellers of this submarine rotate at very high speeds. KEEP FINGERS CLEAR OF PROPELLERS AT ALL TIMES so as to not injure yourself or damage the motors
- ❑ Charge the installed battery ONLY with the supplied quick-charger
- ❑ Always store submarine in a dry place
- ❑ Do not use cleaning agents on the submarine or any other agents that may be hazardous to an aquarium
- ❑ Please read all instructions carefully. Failure to do so could result in damage of the submarine and/or transmitter
- ❑ Adult supervision is recommended. Keep out of reach of very young children
- ❑ Never attempt any repair. Doing so may invalidate your warrantee. Contact a MegaTechnician at: 201-662-2800 or e-mail [info@megatech.com](mailto:info@megatech.com)

### Intro:

#### *Undersea Micro Technology*

Explore the depths of your fish tank, pool or fountain with Megatech's Ocean Explorer-I submarine. Our deep diving research sub will probe depths up to 6 feet while maintaining a solid radio link. With its twin motors and fully proportional radio control, the Ocean-1 dives, ascends and executes "turn-on-a-dime" maneuvers. Your submarine comes with three front mounted high-powered exploration lights for missions into the deep while illusive giant goldfish curiously look on. Built-in red and green sequential flashing running lights also alert timid mammoth angle fish they're about to have a close encounter with the upper world.

Before you begin, make sure your set is complete:

- ❑ Micro Submarine
- ❑ Transmitter
- ❑ Quick Charger
- ❑ Display Stand
- ❑ Carrying Case

### Product Specifications:

Hull: Approx 3.75" x 2.75" x 1.75" (not including propellers)

Range: 6 feet (under water)

Operation Time: 15 minutes

Charge Time: 2 hours

Weight: approx. 5oz.

Frequency: 27 mhz FM

Requires: 8 "AA" alkaline batteries



# Preparation

## 1. Assembly

- a. For your convenience the Ocean Explorer has been completely pre-assembled. **Be extremely careful not to open the submarine or you will cause damage to the intricate waterproofing design and leaks will occur. If you experience any problems contact Megatech Service department immediately at 888-MEGA-911 or [info@megatech.com](mailto:info@megatech.com). DO NOT attempt to repair the submarine on your own.**

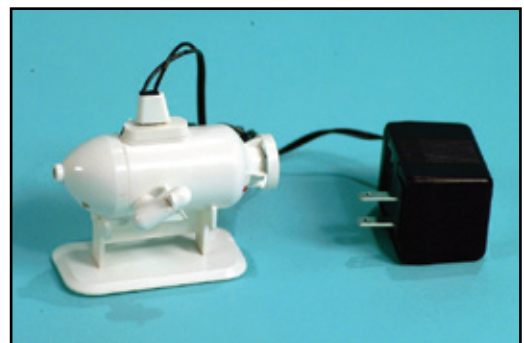
## 2. Install Transmitter Batteries

- a. Install 8 AA alkaline batteries into the transmitter. Always use fresh alkaline batteries to assure the best signal. Use care to ensure correct polarity of batteries into transmitter. (show pic of correct polarity)
- b. Turn your transmitter on by switching the on/off switch on the front of your transmitter. Both a red and green light should be lit on the front of the transmitter. If this does not happen, check batteries to make sure they are installed correctly and in fact fresh alkalines. If the transmitter still will not turn on call Megatech for technical assistance at 888-MEGA-911 or send an E-mail [info@megatech.com](mailto:info@megatech.com)



## 3. Charging Your Submarine (2 hours)

- ❑ Sit your submarine on its display stand. Attach the special charging plug to your submarine as shown. Plug the charger into a wall socket. The charging time is approx. 2 hours. **MAXIMUM CHARGE TIME IS 8 HOURS.** Warning: Do not leave charging sub unattended.



- ❑ Depending on its operational speed, the Ocean Explorer will operate approx. 15 minutes before needing to be recharged for another mission. Caution: Only use the supplied quick charger to charge your submarine to avoid damage to yourself, the sub and/or battery.

## 4. Operating your submarine

Once your Micro Sub is fully charged & ready for underwater exploration, switch your transmitter into the on position and fully extend the antenna. Remember, the transmitter is NOT water resistant so please take the proper precautions as to not damage the unit.

- a. **Turning ON Micro Sub's Power:** Install the periscope as pictured to activate your sub. Be sure to remove your sub once you have finished exploring and/or the battery is used up. Caution: Make sure the on/off periscope switch is always attached when the sub is in water.



### □ Transmitter Setup

The transmitter has two control sticks

Left Control Stick

- Variable control of Forward (Dive) and Reverse (Surface)
- Right Control Stick

- Variable directional control of left and right movement

### b. Pre-Dive Systems Check

- Turn on your transmitter first, then your submarine. Place your submarine on its display stand and make sure both control sticks of the transmitter are not being moved. In this resting state the propellers on your Micro sub should not be moving. If they are, you will need to adjust the trim tabs on your transmitter until the propellers are no longer moving

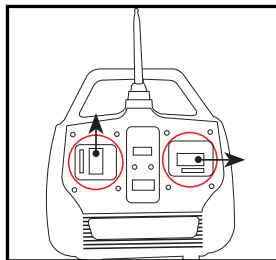


- Once you have properly adjusted your trim tabs, keep the sub on its stand for the final pre-dive check. Move the left stick forward(upward) and make sure both propellers are turning (one clockwise and the other counterclockwise). Continue holding the left stick in the upward

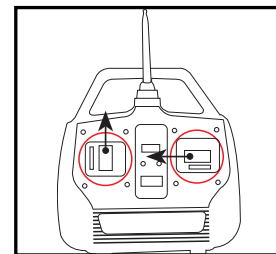
position and at the same time move the right stick to the left. The left propeller should slow down while the right propeller moves faster. Now, holding the left stick forward, try moving the right stick all the way to the right. The opposite function should occur. Now you are ready to explore!

### c. Underwater Operation

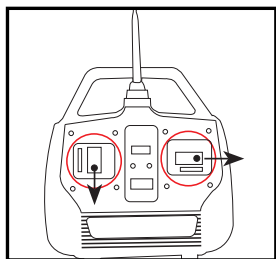
- ❑ Gently lay your sub into the water.
- ❑ Should your Ocean Explorer ever run out of power, experience radio-link interference, (or come face-to-face with the most dreaded killer of all, THE GIANT CATFISH!) fear not...our fail-safe system is preset to automatically shut down the engines and blow all ballast sending the Explorer-1 safely on an emergency return trip to the surface.
- ❑ If you experience any erratic movements while using your submarine, this may be caused by low batteries in either the transmitter or the submarine. Remove your sub immediately and check the transmitter batteries and recharge your submarine.



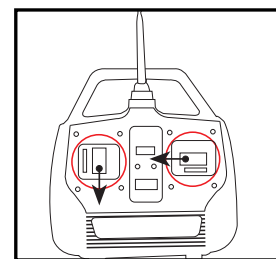
Diving Right Turn



Diving Left Turn



Surfacing Right Turn



Surfacing Left Turn

## 5. Taking care of your Ocean Explorer

- ❑ When you are finished exploring, wipe your sub completely dry and store in a dry place either in its special carrying case or on the display stand
- ❑ Make sure both the transmitter and the submarine are shut off to preserve the life of the batteries
- ❑ Before using your Ocean Explorer again, make sure the sub is fully charged and your transmitter has fresh alkaline batteries installed
- ❑ Extra propellers and on/off periscope switch have been included for your convenience. Make sure to push propellers on tightly and completely before attempted to operate.

## Replacement Parts

MTC	Description
770201	PROPELLERS (2)
770202	On/Off Submarine Top (2)
770203	110V Wall Charger
770204	Display Stand

## **Limited Warranty**

Megatech International guarantees the parts included in this kit to be free from defects that exist at the time of purchase for a period of 90 days from date of purchase. If any component of this product fails to function properly due to defects in materials or manufacturing process during this 90 day period, the Manufacturers obligations are limited and manufacturer can choose to either repair the defective part or replace it.

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

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.

Megatech International expressly excludes any and all express warranties not specifically stated here and all implied warranties of merchantability and fitness for a particular purpose. There are no warranties which extend beyond the description of the warranties contained herein.

Contact Megatech International before returning any part/product that is defective according to the limitations listed above. Please be sure to pack the returned item(s) carefully and insure it as this warranty does not cover loss or damage during transit

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