

***USER'S GUIDE***

*Marine Automation Systems*  
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## **Safety Instructions**

**BEFORE USING THIS DEVICE READ THIS MANUAL AND FOLLOW ALL ITS SAFETY RULES AND OPERATING INSTRUCTIONS. CONSULT DOCKING MASTER'S DEALER OR MARINE AUTOMATION SYSTEMS CORP. IF INSTRUCTIONS ARE NOT COMPLETELY UNDERSTOOD OR IF DOUBT ON THE USE OR OPERATION OF THIS DEVICE.**

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**DOCKING MASTER IS A WIRELESS REMOTE CONTROL SYSTEMS USED IN MANEUVERING BOATS WHEN DOCKING, ANCHORING OR MOORING. IT IS NOT A SUBSTITUTE FOR PROPER KNOWLEDGE, EXPERIENCE AND OPERATION CONTROLLING A YACHT WHEN PERFORMING THESE PROCEDURES.**

**1. Introduction**

Docking Master, developed by **Marine Automation Systems Corp.**, is an electronic wireless remote control which enables you to control a boat and its basic maneuvering and mooring functions.

Severe and rugged tests conducted in various types of vessels have proven the resistance and reliability of Docking Master in marine environment.

With Docking Master, maneuvering of your boat, controlling the bow thruster, stern thruster, both engines, multiple anchors or winches is as easy as pressing buttons. This equipment is electronically safe, it is linked in parallel with the existing controls, allowing uninterrupted full manual control should the need arise.

In the rare event that communication between Docking Master's transmitter and receiver fails, an acoustic signal informs the user immediately about the need of manual control of the boat.

**2. General transmitter features**

The transmission unit is similar to a remote control with two control buttons. Every transmitter has a unique code. Docking Master is housed in a grey ABS casing that is waterproof and water resistant providing form, fit, function and protection. The control is made of two parts that snap together. The lower cover is removable to replace batteries. The unit is also equipped with two luminous LED indicators, a yellow light shows transmission and a red light indicated batteries replacement.

**3. Docking Master operation**

The Relays on the receiver are activated by the buttons placed on the transmitter. It cyclically transfers position status of the switches to the receiver.

The command will remain active as long as it is pressed. In the event of communication failure between the transmitter and receiver, the receiver will automatically place the engines in neutral and activate the acoustic signal.

***IMPORTANT:***

***It is not possible to simultaneously command the same receiver from several transmitters.***

**Warnings**

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- Docking Master should only be used by qualified adults to ensure the proper operation and management of the boat.
- Docking Master must be kept away from the reach of children.
- Never use the transmitter if you are not on the vessel you are commanding, if this occurs product warranty will be immediately void and there can be serious legal implications.

**4. Activation procedure**

Follow step by step this procedure in order to activate Docking Master:

- Start the main engines in accordance with normal procedure.
- Enable the boat electronic control station to which DM receiver is connected.
- Activate DM receiver with the proper switch (installed on the boat).
- Turn the transmitter ON by pressing the proper on/off button. the activation is confirmed when transmission LED lights up.

**WARNING:**

**THE ELECTRONIC CONTROL LEVERS MUST REMAIN IN NEUTRAL POSITION DURING THE USE OF DOCKING MASTER.**

ON / OFF→→→



- At this time the receiver and the transmitter should be communicating. Now you can control the engines, propellers, thrusters, anchors etc, by simply pressing the corresponding switches of the transmitter.

**IMPORTANT:**

*The transmitter will turn OFF automatically approximately five minutes from the last pressing switch.*

**IMPORTANT:**

*The receiver will generate a high audible sound (ALARM) if communication was interrupted. This signal should stop after the link is re-established.*

**5. Deactivation procedure**

To deactivate follow this procedure:

- Turn transmitter OFF by pressing the proper button for at least 3 second. At this point transmission light should turn off (yellow) and the alarm signal will start because a break of communication between transmitter and receiver.
- Deactivate the receiver by pressing appropriate ON/OFF switch installed on the boat.

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**IMPORTANT:**

*In case of emergency you can deactivate Docking Master receiver by simply turning off the receiver ON/OFF switch without turning the transmitter OFF.*

## **6. Maintenance**

### **6.1. Replacement of batteries**

When the batteries are discharged the RED light will flash. Replace both transmitter batteries as soon as possible. Always keep aboard two first quality AAA alkaline batteries.

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***IMPORTANT:***

***Before working on the transmitter, make sure the receiver is OFF. Accidental pressing on a transmitter switch can activate an unwanted boat function and will result in a dangerous situation.***



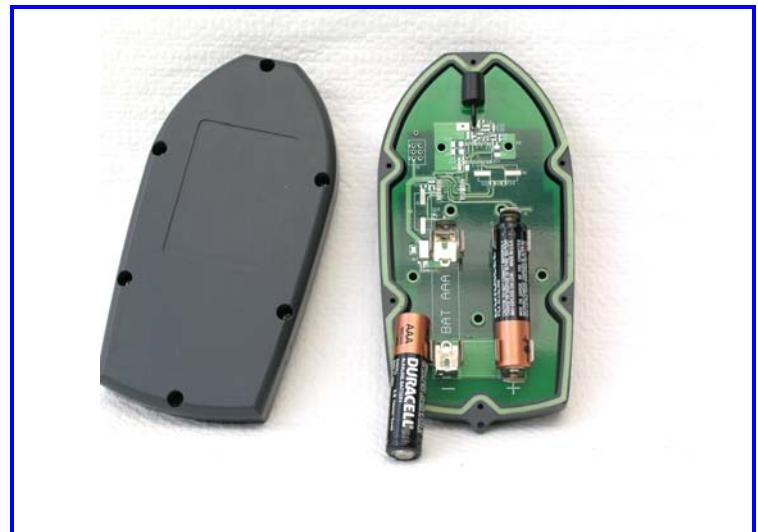
To access the battery, remove the six screws that keep the lower and top cover together

Once the cover is off, remove the old batteries and replace them with new ones.

**IMPORTANT:**

*Be sure to properly insert the battery's right polarity in the transmitter. Check the white markings on the board (+ / - )*

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## **6.2. How to clean the transmitter**

After using Docking Master, remove any salt residue by wiping it with a soft cloth using fresh water. **NEVER** soak or immerse device in water although Docking Master is hermetically sealed and floatable.

**7. Technical specifications**

**Power:** 2 1,5v (AAA) (LR03)

**Cover:** ABS. High impact

**Number of channels** 1

**Modulation** FSK

**Dimensions (L W H)** 4.5 x 2.25 x 0.9 inch

**Weight:** Inc. batteries 60 g

**Operating Temperature** -10° to 70°

**Customer Service Information**

If trouble is experienced with Docking Master, for repairs or warranty information, please contact customer service at (305) 467 7614

This product may be serviced only by the manufacturer or its authorized service agents. Changes or modifications not expressly approved by **Marine Automation Systems** could void the user's authority to operate this product.

**Refer inquiries to:**

**Marine Automation Systems**  
6341 Scott Street Hollywood  
Florida 33024-4124  
Attn: Customer Service

**8. Warranty**

Docking Master system has 12 months warranty from date of purchase. This warranty is extended only to the original owner. A receipt or other proof of purchase will be required before warranty performance is rendered.

This warranty covers defects in materials, workmanship, manufacturing defects, or malfunction of device not caused by user. This warranty explicitly does not cover malfunction due to poor maintenance, improper installation, misuse, abuse, neglect, mishandling, misapplication, alteration, modification or natural events. Such warranties are the sole warranties, expressed or implied pertaining to this order. It is understood and agreed that no warranties expressed or implied, are made by seller/dealer including implied warranties of MERCHANTABILITY and FITNESS FOR USE. Seller/dealer does not assume and does not authorize anyone else to assume on its behalf, any other obligations or liability in connection with the sale or use of this device. Purchaser agrees that the manufacturer and seller/dealer shall not be liable for special incidental, consequential or punitive damages. Purchaser agrees manufacturer and seller/dealer's liability for any accident and/or damage to property and/or personal injury while using this equipment is limited to the purchase price of this equipment.

**Manufacturer's Warranty applies with the following conditions:**

- Installation must be made by a certified installer
- Electronic components of both, receiver and transmitter must be intact, not disassembled, tampered with or modified in any way.
- Defective equipment must be returned properly packaged to prevent damage in shipping and handling and equipment must be complete with all its accessories.
- Package must include a brief description of the problem.
- Package must clearly show sender's address, a return authorization number "RMA" issued by Docking Master Customer service.
- Return shipping and handling charges at buyers' expense.
- The manufacturer's responsibility is limited to the replacement or repair of equipment solely based on manufacturing defect.
- The repair or replacement warranty of equipment is limited to the applicable warranty period set forth above.

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