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› [Poafamx](#) /

› Poafamx Wave Maker Model POA-HJY-63 Instruction Manual

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Poafamx Wave Maker Model POA-HJY-63 Instruction Manual

For Saltwater and Freshwater Aquariums

1. INTRODUCTION

Thank you for choosing the Poafamx Wave Maker Model POA-HJY-63. This device is designed to create natural wave patterns and water circulation within your aquarium, promoting a healthier environment for marine and freshwater life. This manual provides essential information for safe installation, operation, and maintenance of your wave maker.



Image 1: Poafamx Wave Maker and Controller.

2. SAFETY INFORMATION

- Read all instructions carefully before use.
- This appliance is for indoor aquarium use only.
- Ensure the power supply voltage matches the specifications of the wave maker (110V).
- Always unplug the wave maker from the power outlet before performing any maintenance, cleaning, or when handling the unit inside the aquarium.
- Do not operate the wave maker if the power cord or plug is damaged.
- Ensure the wave maker is fully submerged in water during operation. Operating it dry can cause damage.
- Keep out of reach of children.

- **Caution:** When installing the wave maker, avoid placing your hands under the magnetic suction base to prevent injury.

3. PACKAGE CONTENTS

Verify that all components are present and in good condition:

- Poafamx Wave Maker Unit
- LED Display Controller
- Magnet Suction Base
- Power Adapter
- Instruction Manual (this document)

4. PRODUCT FEATURES

- **Cross Flow Technology:** Designed to create broad, gentle water flow across the entire aquarium, reducing dead spots and preventing debris accumulation.
- **Multiple Operating Modes:** Includes Gap Mode, Tide Mode, Constant Current Mode, Turbulence Mode, Cycle Mode, Linkage Mode, and Feeding Pause.
- **Adjustable Flow Speed:** 10 speed levels for precise control over water movement.
- **LED Display Controller:** Intuitive interface for mode selection, speed adjustment, and monitoring.
- **Magnetic Suction Base:** Secure and easy installation on aquarium glass.
- **Quiet Operation:** Engineered for low noise levels.



Image 2: Comparison of Cross Flow Wave Maker and Traditional Wave Maker.

WHY REDESIGN WAVE MAKING PUMP



CROSS FLOW WAVE MAKER

- 1 The water flow covers the whole fish tank, and the tank bottom is free of fish excrement and other debris.
- 2 Crossflow tech simulates natural waves, which will be better for the healthy growth of corals.
- 3 10 speed level and 7 modes meeting your big fish tank needs.



TRADITIONAL WAVE MAKER

- 1 The water flow is straight, waves are hard to turn to form a cycle.
- 2 The water wave comes from a small pump fan. The closer, the stronger the impact is.
- 3 Can't simulate the natural environment, better for small tank.

Image 3: Wave Maker operating in Tide Mode, creating natural ocean-like waves.

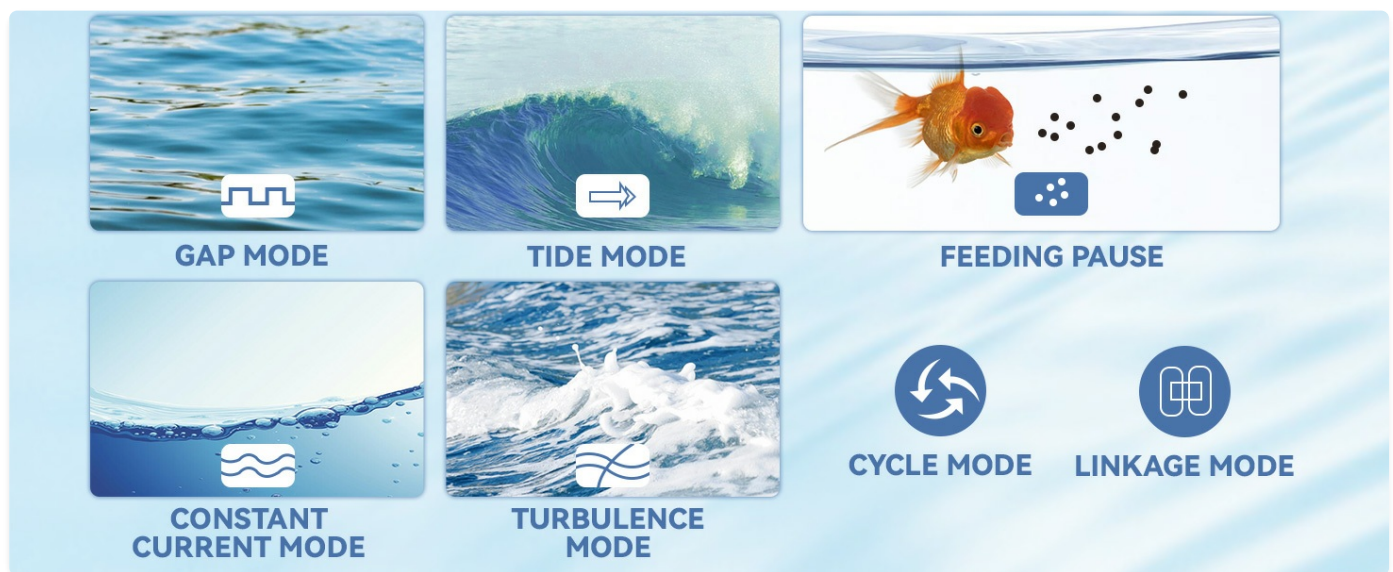


Image 4: Visual representation of the 10 speed levels for water flow.

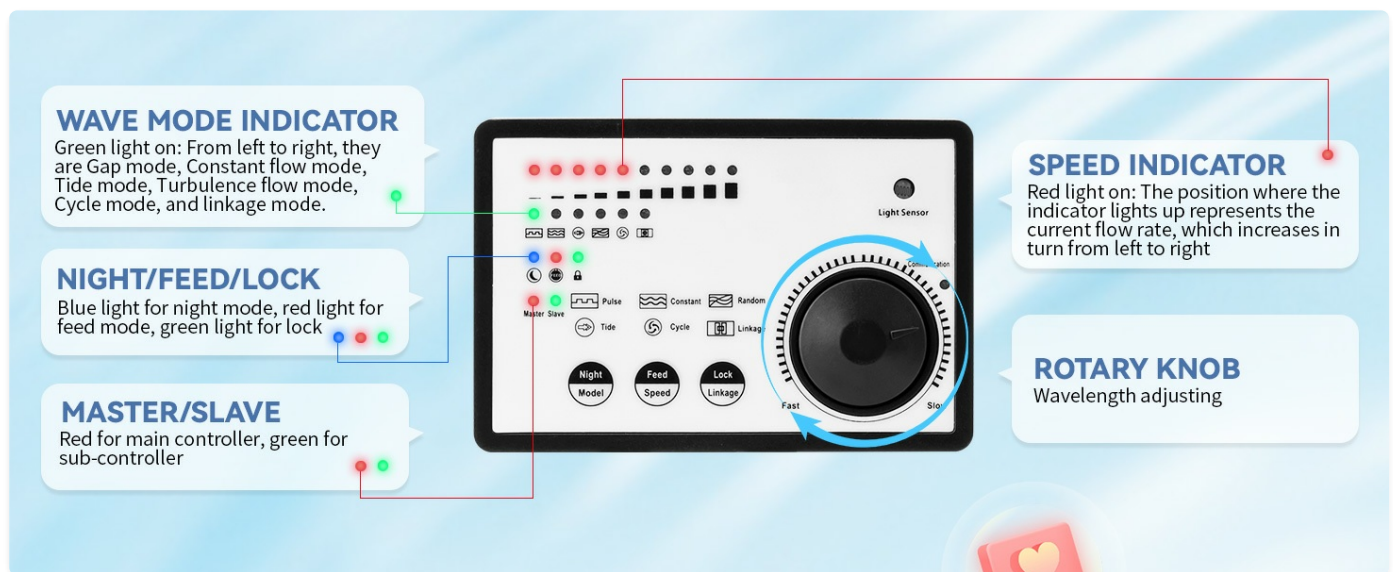


Image 5: The dual diversion cover design directs water flow throughout the aquarium.

5. SETUP

5.1 Installation Location

The wave maker can be positioned at various depths to achieve different effects:

- **Upper Position:** Creates visible waveforms and surface agitation.
- **Middle Position:** Provides general circulation, mimicking ocean currents.
- **Bottom Position:** Helps to blow away residue and keep the substrate clean.



Image 6: Recommended placement positions for the wave maker.

5.2 Mounting the Wave Maker

1. Ensure the aquarium glass is clean and free of algae or debris where you intend to mount the wave maker.
2. Attach the wave maker unit to the magnetic suction base.
3. Place the wave maker unit inside the aquarium, ensuring it is fully submerged.
4. Position the external magnet on the outside of the aquarium glass, directly opposite the internal magnetic suction base. The strong magnets will secure the wave maker in place.
5. Adjust the angle of the wave maker to direct water flow as desired. The diversion covers can be rotated.
6. Connect the wave maker to the LED display controller, then plug the controller into a 110V power outlet.



Image 7: Correct and incorrect methods for installing the wave maker using the magnetic suction base. Always ensure the unit is fully submerged.

6. OPERATING INSTRUCTIONS

6.1 Controller Overview

THREE POSITIONS ON DEMAND

Each placement can well blow away fish excrement and other debris, better cycle filtration



Upper ①

Different waveforms visible, your fish will love the bubbles and wave on the surface.

Middle ②

Let your fishes enjoy the joy of the “real” ocean.



Bottom ③

Blow away residue and cleand up water. Helps a lot with keeping the bottom clean.

Please note that when you put the wave maker fully in water, you cannot see the waveforms and just some small bubbles.



Image 8: Detailed diagram of the LED Display Controller with indicators and controls.

- **Wave Mode Indicator:** Green lights indicate the active wave mode (Gap, Constant Flow, Tide, Turbulence, Cycle, Linkage).
- **Speed Indicator:** Red lights show the current flow rate, increasing from left to right.
- **Night/Feed/Lock Indicator:** Blue light for night mode, red light for feed mode, green light for lock.
- **Master/Slave Indicator:** Red for main controller, green for sub-controller (if using multiple units).
- **Rotary Knob:** Adjusts wavelength or flow intensity depending on the mode.

6.2 Operating Modes

Press the 'Mode' button to cycle through the available operating modes:

- **Gap Mode:** Creates intermittent flow, simulating natural water movement.
- **Tide Mode:** Generates a continuous, strong wave action, ideal for coral reefs.
- **Constant Current Mode:** Provides a steady, uniform flow of water.
- **Turbulence Mode:** Produces chaotic, turbulent water movement.
- **Cycle Mode:** Cycles through different wave patterns automatically.
- **Linkage Mode:** For synchronized operation of multiple wave makers (if applicable).

6.3 Speed and Wavelength Adjustment

- Use the 'Speed' button to adjust the flow rate through 10 different levels. The red speed indicators will light up accordingly.
- Rotate the 'Rotary Knob' to fine-tune the wavelength or intensity of the chosen mode.

6.4 Special Functions

- **Night Mode:** Press the 'Night' button to activate a lower power, quieter operation suitable for nighttime. The blue indicator will light up.
- **Feeding Pause:** Press the 'Feed' button to temporarily pause the wave maker for feeding. The red indicator will light up. The wave maker will resume operation after a set period (typically 10 minutes) or by pressing 'Feed' again.
- **Lock Function:** Press the 'Lock' button to prevent accidental changes to settings. The green indicator will light up. Press again to unlock.

7. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your wave maker.

1. **Disconnect Power:** Always unplug the wave maker from the power outlet before any maintenance.
2. **Remove from Aquarium:** Carefully detach the wave maker from the aquarium glass.
3. **Clean Impeller and Housing:** Disassemble the front cover and impeller assembly. Use a soft brush and clean water (or a mild vinegar solution for stubborn calcium deposits) to remove any algae, debris, or mineral buildup from the impeller, shaft, and internal housing.
4. **Inspect Components:** Check the power cord for any signs of damage or wear. Ensure the magnetic suction base is clean and free of scratches that could affect its grip.
5. **Reassemble:** Carefully reassemble all parts, ensuring they fit securely.
6. **Reinstall:** Mount the wave maker back into the aquarium as per the setup instructions.

Perform this cleaning process monthly or as needed, depending on your aquarium conditions and water parameters.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Wave maker does not turn on.	No power, loose connection, damaged power cord/controller.	Check power outlet, ensure all connections are secure. Inspect power cord and controller for damage.
Weak or inconsistent flow.	Impeller clogged, air in pump, incorrect mode/speed setting.	Clean the impeller and housing. Ensure the unit is fully submerged and free of air bubbles. Adjust mode and speed settings on the controller.
Excessive noise or vibration.	Impeller obstructed, unit not securely mounted, worn impeller.	Disconnect power and clean the impeller. Re-mount the unit securely. If noise persists, the impeller may need replacement.
Controller display is off or unresponsive.	Power issue, controller malfunction.	Check power connection. Try unplugging and re-plugging the controller. If unresponsive, contact support.

9. SPECIFICATIONS

Feature	Specification
Brand	Poafamx
Model Number	POA-HJY-63
Power (Wattage)	50W
Voltage	110 Volts

Feature	Specification
Colour	Black
Material	Plastic
Product Dimensions (L x W x H)	35.6L x 7.4W x 9.9H Centimetres
Item Weight	4.77 Pounds
Maximum Lifting Height	157.48 Inches (for pump head, not directly applicable to wave maker function)
UPC	733420949139

10. WARRANTY

This Poafamx Wave Maker is covered by a standard manufacturer's warranty against defects in materials and workmanship. Please refer to the warranty card included with your product or contact Poafamx customer support for specific warranty terms and conditions. Keep your purchase receipt as proof of purchase.

11. SUPPORT

For technical assistance, troubleshooting, or inquiries regarding your Poafamx Wave Maker, please contact Poafamx customer support through the retailer where the product was purchased or visit the official Poafamx website for contact information.

Manufacturer Contact Information: Poafamx

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question