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> [Jebao MOW Smart Wave Maker with LCD Display Controller for Saltwater Tank Magnetic Base \(MOW-5\) User Manual](#)

Jebao MOW-5

Jebao MOW Smart Wave Maker (MOW-5) User Manual

Model: MOW-5 | Brand: Jebao

1. INTRODUCTION

Thank you for choosing the Jebao MOW Smart Wave Maker. This device is designed to create natural wave patterns in your saltwater aquarium, promoting a healthy environment for your aquatic life. This manual provides essential information for the safe and efficient operation of your MOW-5 wave maker. Please read it thoroughly before installation and use.

2. IMPORTANT SAFETY INFORMATION

- Always disconnect the power supply before performing any maintenance or cleaning.
- This product is designed for indoor use in aquariums only. Do not use it for any other purpose.
- Ensure your hands are dry before handling the power adapter or controller.
- Do not operate the pump if the power cord or plug is damaged.
- Keep the controller and power adapter away from water to prevent electrical shock.
- The pump is submersible (IPX8 rated), but the controller and power adapter are not.
- Ensure the pump is fully submerged in water during operation to prevent overheating.
- This device operates on DC 24V. Use only the provided power adapter.

3. PACKAGE CONTENTS

Verify that all the following components are included in your package:

- Jebao MOW-5 Wave Maker Unit
- LCD Display Controller
- Power Adapter (DC 24V)
- User Manual (this document)



Figure 3.1: Contents of the Jebao MOW-5 package, including the wave maker unit, LCD controller, power adapter, and user manual.



Figure 3.2: The Jebao MOW-5 wave maker unit displayed with its retail packaging, highlighting the compact design.

4. SETUP AND INSTALLATION

1. Positioning the Wave Maker:

Place the wave maker unit inside your aquarium, ensuring it is fully submerged. The magnetic base allows for flexible positioning on the aquarium glass. Position it to achieve optimal water flow and wave patterns without disturbing substrate or corals.



Figure 4.1: Front view of the MOW-5 wave maker, illustrating its compact design and propeller.



Figure 4.2: Side profile of the MOW-5 wave maker, highlighting its magnetic base for secure attachment.

The unit features a 3D rotation angle, allowing you to adjust the output water direction for customized flow.

2. **Connecting the Controller:**

Connect the wave maker unit's cable to the designated port on the LCD Display Controller. Ensure the connection is secure.

3. **Power Connection:**

Connect the power adapter to the LCD Display Controller, then plug the power adapter into a standard 100V 60Hz US electrical outlet. The LCD display should illuminate.

4. **Initial Start-up:**

Upon initial power-up, the pump will run briefly to indicate it is receiving power. You can then proceed to select your desired operating mode.

5. OPERATING MODES

The Jebao MOW-5 offers several operating modes to simulate various natural water movements. Use the buttons on the LCD Display Controller to cycle through and select modes.

- **W1: Classic Wave Mode**

In this mode, you can adjust the wave patterns using the up/down buttons. This allows for synchronized or alternating wave generation among multiple pumps if connected.

- **W2: Sine Wave Mode**

One or more pumps can operate simultaneously in this mode. The flow rate changes smoothly between 30-100%, mimicking a sine curve for gentle, natural flow variations.

- **Else: Random Wave Mode**

This mode provides a random variation in pump power, creating unpredictable and natural water movement without a set pattern. Suitable for simulating ocean currents.

- **H: Constant Wave Mode**

In Constant Wave Mode, the pump maintains a steady, continuous flow. The flow rate can be adjusted to a desired constant level.

- **C: Shift to Flow Mode**

This mode requires two pumps to operate. They alternate between working and stopping (P1 works, P2 stops; then P2 works, P1 stops), creating a shifting flow pattern.

- **Feed Mode**

Press the dedicated feed button on the controller to activate this mode. The pump will stop working for 10 minutes, allowing fish to feed without being disturbed by strong currents. The pump will resume its previous mode automatically after 10 minutes.

6. WI-FI CONTROL AND APP CONNECTION

The Jebao MOW-5 can be controlled via Wi-Fi using the Jebao App on your smartphone (iOS and Android compatible).

1. **Download the App:**

Search for "Jebao" in the Apple App Store or Google Play Store and download the official Jebao application.

2. **Connect to 2.4GHz Wi-Fi:**

Ensure your smartphone is connected to a 2.4GHz Wi-Fi network. The Jebao MOW-5 is compatible only with 2.4GHz networks, not 5GHz.

3. **Pairing Process:**

Follow the in-app instructions to add your device. This typically involves putting the controller into a pairing mode (often by a long press of a specific button on the controller) and then connecting through the app. Be patient during this process, as connectivity can sometimes require multiple attempts.

4. **App Features:**

Once connected, the app allows for advanced control and scheduling of the wave maker's modes and intensity, offering greater flexibility than the manual controller.

7. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your Jebao MOW-5 wave maker.

1. **Cleaning Frequency:**

It is recommended to clean the wave maker unit every 2-4 weeks, or more frequently if you observe reduced flow or increased noise.

2. **Disassembly and Cleaning:**

- Disconnect the power supply to the wave maker.
- Carefully remove the wave maker unit from the aquarium.
- Disassemble the protective cage and impeller assembly. Refer to the product diagram for guidance.
- Clean all components, especially the impeller and its shaft, using a soft brush and warm water. Remove any algae, debris, or calcium buildup. A mild vinegar solution can be used for stubborn calcium deposits, followed by thorough rinsing.
- Inspect the power cord for any signs of damage.
- Reassemble the unit, ensuring all parts are correctly seated.

3. **Controller Care:**

Keep the LCD Display Controller clean and dry. Wipe it with a soft, dry cloth. Do not immerse it in water.

8. TROUBLESHOOTING

If you encounter issues with your Jebao MOW-5, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Pump not operating or weak flow.	Power disconnected. Impeller clogged with debris/algae. Air trapped in the pump. Damaged impeller or motor.	Check power connections and outlet. Clean the impeller and pump housing (refer to Maintenance section). Gently shake the pump while submerged to release air. Contact customer support if parts are damaged.
"ERROR 01" code on display.	Indicates a pump malfunction or blockage.	Disconnect power, thoroughly clean the pump and impeller. Reconnect power. If the error persists, contact customer support.
Difficulty connecting to Wi-Fi/App.	Incorrect Wi-Fi frequency (5GHz). Incorrect pairing procedure. Weak Wi-Fi signal.	Ensure your phone is on a 2.4GHz Wi-Fi network. Follow app instructions carefully, including long-pressing buttons for pairing mode. Move closer to your Wi-Fi router or consider a Wi-Fi extender.
Controller buttons unresponsive or display issues.	Physical damage or moisture. Software glitch.	Ensure the controller is dry. Disconnect and reconnect power to reset the controller. If issues persist, contact customer support.

9. SPECIFICATIONS

Feature	Detail
Model	MOW-5
Input Voltage	DC 24V
Power Consumption	12-watt
Flow Rate	500L (132gal) to 5000L (1320gal)
Recommended Tank Size	30-50 gallons
Dimensions (Pump)	2" Dia x 3"L (approx. 5cm Dia x 7.6cm L)
Material	Plastic or Polyvinyl chloride
Water Type	Suitable for both marine and fresh water
Features	Wi-Fi (iOS + Android) + Manual Controller, LCD Display, SINE wave technology, 3D rotation angle, No exposed copper element.
IP Rating	IPX8 (Pump unit)



Figure 9.1: Product label on the MOW-5 wave maker, detailing input specifications and model information.

10. WARRANTY AND SUPPORT

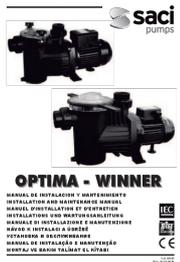
Jebao products are manufactured to high-quality standards. For warranty information, technical support, or service inquiries, please contact your retailer or the official Jebao customer service. Please retain your proof of purchase for warranty claims.

For further assistance, visit the official Jebao website or contact their customer support channels.

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Related Documents - MOW-5

The thumbnail shows the cover of the "Jebao Smart Wave Maker USER'S MANUAL". It includes the Jebao logo, the product name, and a "WARNING" section with several bullet points. At the bottom, it lists "MCP, MLW, MOW SERIES".	<p>Jebao Smart Wave Maker User Manual - Setup, Operation, and Troubleshooting</p> <p>Comprehensive user manual for the Jebao Smart Wave Maker (MCP, MLW, MOW SERIES), covering installation, features, app control via Jebao Aqua, various wave modes, troubleshooting, and maintenance. Learn how to set up and operate your Jebao wave maker for optimal aquarium conditions.</p>
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	<p>Jebao Cross-Flow Wave Pump User Manual: CP-90, CP-120, CP-150</p> <p>User manual for Jebao Cross-Flow Wave pumps, models CP-90, CP-120, and CP-150. Includes safety instructions, assembly guidance, controller operation, maintenance, and technical specifications.</p>
	<p>Manual de Instalación y Mantenimiento Saci Optima - Winner</p> <p>Guía detallada de instalación, mantenimiento y solución de problemas para las bombas de piscina Saci Optima - Winner. Incluye especificaciones técnicas, precauciones de seguridad y diagramas de conexión eléctrica.</p>
	<p>CoralBox Quiet Pump Plus User Manual: Setup, Operation & Maintenance</p> <p>Comprehensive user manual for the CoralBox Quiet Pump Plus wireless controller and wave makers. Learn about setup, modes, technical specifications, installation, and maintenance for aquarium water flow simulation.</p>
	<p>Koller Products 6.5-Gallon Aquarium Kit Setup and Instructions</p> <p>Comprehensive setup guide and safety instructions for the Koller Products 6.5-Gallon Aquarium Kit (Model AP650FFP), covering tank placement, filter assembly, water addition, lighting, and maintenance.</p>
	<p>Jecod D Series Vario Wave Maker User Manual</p> <p>User manual for the Jecod D Series Vario Wave Maker, detailing its features, specifications, assembly, operation, app control, troubleshooting, and maintenance.</p>