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Jebao ELW-10

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Model: ELW-10 | Brand: Jebao

1. INTRODUCTION

Thank you for choosing the Jebao Jecod ELW-10 DC Wave Maker Pump. This device is designed to create natural wave patterns and circulation in your aquarium, promoting a healthy environment for aquatic life. The ELW-10 features an external drive controller for enhanced durability and offers a flow rate of up to 1056 GPH (4000 LPH). This manual provides essential information for the safe and efficient installation, operation, and maintenance of your wave maker pump.

Please read this manual thoroughly before installation and operation, and retain it for future reference.

2. SAFETY INFORMATION

To prevent injury or damage, observe the following safety precautions:

- Always disconnect power to the pump and controller before performing any maintenance or installation.
- This product is designed for indoor aquarium use only. Do not use it for any other purpose.
- Ensure the power cord and controller are kept dry. Do not immerse the controller in water.
- Do not operate the pump if the power cord or plug is damaged.
- Keep out of reach of children.
- Ensure the pump is fully submerged in water during operation to prevent overheating.
- Do not attempt to disassemble or repair the pump or controller yourself. Refer to qualified service personnel.

3. PACKAGE CONTENTS

Verify that all components are present in the package:

- Jebao Jecod ELW-10 Wave Maker Pump
- External Controller
- Power Adapter
- Magnetic Base



Figure 3.1: Complete ELW-10 Package Contents. This image displays the wave maker pump, its external controller, the power adapter, and the magnetic base, laid out on a white surface.

4. SETUP INSTRUCTIONS

Follow these steps to install your wave maker pump:

1. **Positioning the Pump:** Select a location inside your aquarium where the pump can create optimal water flow without disturbing substrate or decorations. Ensure the pump is fully submerged.
2. **Attaching the Magnetic Base:** Place the pump inside the aquarium and align it with the external magnetic base on the outside of the aquarium glass. The strong magnets will hold the pump securely in place. Adjust the pump's angle as needed to direct water flow.
3. **Connecting the Controller:** Connect the pump's cable to the designated port on the external controller.
4. **Connecting Power:** Connect the power adapter to the controller, then plug the power adapter into a suitable electrical outlet. Ensure the outlet is equipped with a Ground Fault Circuit Interrupter (GFCI) for safety.



Figure 4.1: Front view of the ELW-10 pump. This image shows the circular pump head with its protective grate and internal impeller blades.



Figure 4.2: Side view of the ELW-10 pump with a measuring tape. This image illustrates the compact dimensions of the pump, approximately 2.5 inches in length.

5. OPERATING INSTRUCTIONS

The ELW-10 controller allows you to customize the wave patterns and flow intensity. Refer to the controller display and buttons for navigation.



Figure 5.1: ELW-10 Pump and Controller. This image shows the wave maker pump alongside its digital controller, which displays "M1 F100" indicating a mode and flow setting.

Controller Functions:

- **Mode Selection:** Use the "MODE" button to cycle through various wave patterns (e.g., constant flow, pulse mode, random flow). The display will show the active mode (e.g., M1, M2).
- **Flow Adjustment:** Use the "UP" and "DOWN" arrow buttons to adjust the flow intensity (e.g., F1 to F100).
- **Feed Mode:** Press the "FEED" button to temporarily pause the pump for feeding. The pump will resume operation after a set period (typically 10 minutes) or by pressing the button again.
- **Lock Function:** The controller may feature a lock button to prevent accidental changes to settings.
- **Master/Slave Function:** If using multiple ELW pumps, the controller allows for master/slave synchronization to create coordinated flow patterns. Refer to the specific instructions on the controller for pairing.

Experiment with different modes and flow rates to find the ideal circulation for your aquarium's inhabitants and aquascape.

6. MAINTENANCE

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

1. **Monthly Cleaning:** Disconnect the pump from power. Carefully remove the pump from the aquarium. Disassemble the protective cage and impeller assembly. Clean all components with a soft brush and warm water to remove algae, detritus, and mineral buildup. Do not use harsh chemicals.
2. **Impeller Inspection:** Inspect the impeller for any signs of wear, cracks, or foreign objects. Replace if damaged.
3. **Cable and Connector Check:** Periodically inspect the power cord and all connections for any signs of damage or corrosion.
4. **Reassembly:** Reassemble the pump components carefully, ensuring all parts are securely fitted before returning the pump to the aquarium and reconnecting power.

7. TROUBLESHOOTING

If you encounter issues with your ELW-10 wave maker pump, refer to the table below for common problems and solutions.

Problem	Possible Cause	Solution
Pump not operating	No power; disconnected cable; impeller jammed.	Check power connection; ensure cables are securely connected; clean impeller.
Reduced flow rate	Impeller dirty or obstructed; pump not fully submerged.	Clean impeller and pump housing; ensure pump is fully submerged.
Excessive noise	Impeller dirty or damaged; pump not securely mounted.	Clean or replace impeller; ensure magnetic base is firmly attached.
Controller display off	No power to controller; faulty power adapter.	Check power connections; test power adapter if possible.

If the problem persists after attempting these solutions, please contact customer support.

8. TECHNICAL SPECIFICATIONS

Feature	Specification
Model	ELW-10
Brand	Jebao
Maximum Flow Rate	1056 GPH / 4000 LPH
Power Source	DC
Voltage	120 Volts (Input to adapter)
Material	Plastic, Stainless Steel
Item Weight	1 Pound
Included Components	Wave Maker Pump, Controller, Power Adapter, Magnetic Base

9. WARRANTY AND SUPPORT

Jebao products are manufactured to high-quality standards. This product is covered by a limited warranty against defects in materials and workmanship. Please refer to the warranty card included with your purchase or contact Jebao customer service for specific warranty terms and conditions.

For technical assistance, troubleshooting, or warranty claims, please contact Jebao customer support through their official website or the retailer where the product was purchased. Have your model number (ELW-10) and purchase date available when contacting support.

ASK A QUESTION ABOUT THIS MANUAL

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