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Jebao DLW-20

Jebao DLW-20 Bluetooth Submersible Vario Wave Maker Instruction Manual

Model: DLW-20

INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation, installation, and maintenance of your Jebao DLW-20 Bluetooth Submersible Vario Wave Maker. Please read this manual thoroughly before use and retain it for future reference. The DLW-20 is designed for creating variable water flow in both saltwater and freshwater aquarium environments, featuring Bluetooth control for easy programming.

SAFETY INFORMATION

Always observe the following safety precautions to reduce the risk of electric shock, personal injury, or damage to the product or aquarium.

- **Electrical Safety:** Ensure your hands are dry before handling the power adapter or plugging/unplugging the unit. Always disconnect power to all aquarium equipment before performing any maintenance.
- **Water Contact:** This device is submersible. However, the controller and power adapter are not waterproof and must be kept dry.
- **Installation:** Do not operate the wave maker if it appears damaged or is not fully submerged in water. Ensure the power cord is routed to prevent tripping hazards and is not pinched or cut.
- **Children and Pets:** Keep this device out of reach of children and pets.
- **Intended Use:** Use this product only for its intended purpose in aquariums. Do not use with flammable liquids or in environments other than those specified.
- **Automatic Power-Off:** The unit features automatic power-off protection upon no water. Do not rely solely on this feature; always ensure the pump is adequately submerged.

INCLUDED COMPONENTS

Verify that all components are present and in good condition upon unpacking.

- Jebao DLW-20 Wave Maker Pump Unit
- Controller with LCD Display

- AC Power Adapter
- User Manual (this document)



Image: All components of the Jebao DLW-20 Wave Maker, including the pump unit, controller, AC power adapter, and user manual.

SETUP AND INSTALLATION

1. Positioning the Wave Maker:

Mount the wave maker pump unit inside your aquarium using the magnetic mount. Position it to achieve optimal water flow patterns, avoiding direct flow onto sand beds or delicate corals. The 3D rotation angle allows for precise adjustment of water output direction.



Image: Front view of the DLW-20 pump unit, showing the impeller and protective grate.



Image: Side view of the DLW-20 pump unit, illustrating the compact design and magnetic mounting base.

2. **Connecting the Controller:**

Connect the wave maker pump unit cable to the designated port on the controller. Ensure the connection is secure.

3. **Power Connection:**

Connect the AC power adapter to the controller, then plug the adapter into a suitable electrical outlet. Ensure a drip loop is formed with the power cord to prevent water from traveling along the cord to the outlet.

4. **Submersion:**

Ensure the wave maker pump unit is fully submerged in water before powering on. Operating the pump dry can cause damage.

OPERATING INSTRUCTIONS

Manual Control

The DLW-20 can be operated directly via its integrated controller with a visual LCD display.

- **Power On/Off:** Press the power button on the controller to turn the unit on or off.
- **Mode Selection:** Use the mode button to cycle through various wave patterns and flow modes (e.g., constant flow, wave mode, feed mode). Refer to the controller's LCD display for current mode indication.
- **Flow Adjustment:** Use the up/down arrows to adjust the flow intensity within the selected mode.
- **Feed Mode:** Activate feed mode to temporarily pause the pump for feeding, typically for 10 minutes, to prevent food from being drawn into filtration.

Bluetooth APP Control

For advanced control and programming, use the dedicated mobile application available for iOS and Android devices.

1. **Download the APP:** Search for the "Jebao" or "Jecod" app in your device's app store and install it.
2. **Enable Bluetooth:** Ensure Bluetooth is enabled on your mobile device.
3. **Pairing:** Open the app and follow the on-screen instructions to discover and pair with your DLW-20 wave maker. The app allows for control of single or multiple DLW wave makers.
4. **Programming:** Utilize the app's interface to set custom schedules, wave patterns, flow intensities, and master/slave modes for synchronized operation of multiple units.

MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your wave maker.

• **Monthly Cleaning:**

Disconnect power before removing the wave maker from the aquarium. Disassemble the pump unit carefully by twisting the front cage. Clean the impeller and housing with a soft brush to remove algae, detritus, and calcium buildup. Rinse thoroughly with clean water.

• **Impeller Inspection:**

Inspect the impeller for any signs of wear or damage. Replace if necessary. Ensure the impeller spins freely after cleaning.

• **Cable and Controller:**

Periodically check the power cord and controller for any signs of damage, fraying, or water ingress. Keep the controller dry and clean.

• **Reassembly:**

Reassemble the pump unit, ensuring all parts are correctly aligned and secured. Return the unit to the aquarium and restore power.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Pump not operating	No power; impeller jammed; controller malfunction.	Check power connection. Disconnect power, clean impeller. Contact support if controller is faulty.
Reduced flow	Impeller dirty or obstructed; calcium buildup.	Disconnect power, remove pump, clean impeller and housing thoroughly.
Excessive noise	Impeller obstructed or worn; air in pump; improper mounting.	Clean impeller. Ensure pump is fully submerged. Adjust mounting position.
Bluetooth connection issues	Bluetooth off; app not updated; interference.	Ensure Bluetooth is enabled on device. Update app. Move closer to controller. Restart controller and device.

SPECIFICATIONS

- **Model:** DLW-20
- **Brand:** Jebao
- **Max Flow:** 2641 GPH (10000 L/H)
- **Power:** 24V, 20 Watts
- **Dimensions (Pump Only):** 1.75" x 3" Diameter
- **Item Weight:** 1.48 pounds
- **Material:** Stainless Steel (internal components, likely shaft)
- **Power Source:** Corded Electric
- **Control:** Manual and Bluetooth APP
- **Application:** Saltwater and Freshwater Aquariums

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or contact the manufacturer directly. Keep your proof of purchase for warranty claims.