

Jebao DLW-5

Jebao DLW-5 Bluetooth Submersible Vario Wave Maker Instruction Manual

Model: DLW-5

1. INTRODUCTION

The Jebao DLW-5 is a Bluetooth-enabled submersible vario wave maker designed for both saltwater and freshwater aquariums. It features an onboard Bluetooth control system, allowing for easy setup and programming via a mobile application. This device is engineered for efficient water movement and includes an automatic power-off protection feature when no water is detected.

Key Features:

- Bluetooth connection APP control
- Manual and APP control system, Visual LCD display
- 3D big rotation angle to adjust the output water direction
- Four-pole super quiet motor
- Master and slave mode wireless control
- Super quiet motor, max flow: 792 GPH (3000 L/H)
- Dimension (pump only): 1.5" x 2.25" dia. Power: 12V 7.5-watt

2. SAFETY INFORMATION

Please read and understand all safety warnings before operating the device. Failure to follow these instructions may result in product damage or injury.

- **Do not run dry:** To ensure optimal performance and prevent damage, do not operate the pump without it being fully submerged in water.
- **Controller and AC adapter:** The controller and AC adapter are not submersible. Avoid splashing water on them.
- **Base integrity:** Do not operate the pump if the original base is missing or damaged. Always keep the red base attached to prevent injury or harm to aquarium inhabitants.

- **No disassembly:** Do not attempt to disassemble the controller or pump. Incorrect reassembly may lead to damage or injury.
- **Product updates:** This product and its associated application may be updated with technological advancements. Please accept the actual product without prior notice.
- **Initial submersion:** When using the pump for the first time or after a long period of being dry, keep it submerged in water for more than one hour to allow internal air to escape before powering it on.
- **Power cord damage:** If the power cord is damaged, it must be replaced by the manufacturer, its service agent, or similarly qualified persons to avoid hazards.

3. PACKAGE CONTENTS

The package includes the following components:

- Jebao DLW-5 Wave Maker pump unit
- Controller with Bluetooth functionality
- AC power adapter



Image: The complete package contents of the Jebao DLW-5 Wave Maker, showing the pump, controller, AC adapter, and a small user manual.

4. SETUP

1. **Mounting the Wave Maker:** Position the wave maker inside your aquarium using its magnetic mount. Ensure the pump is fully submerged and securely attached to the tank wall. The 3D rotation angle allows for manual adjustment of the water flow direction.
2. **Controller Placement:** Place the controller in a dry location, away from water splashes. Connect the

wave maker's cable to the controller and then connect the AC adapter to the controller.

3. **Power Connection:** Plug the AC adapter into a suitable power outlet. The wave maker will initiate a self-test sequence.
4. **Initial Submersion:** If this is the first time using the pump or if it has been dry for an extended period, submerge the pump in water for at least one hour before powering it on. This process helps to remove any trapped internal air and ensures proper, quiet operation.



Image: A close-up view of the Jebao DLW-5 Wave Maker pump unit, showing its compact design and protective cage.

5. OPERATION

The DLW-5 wave maker offers flexible control options through its integrated Bluetooth module and manual controls.

Bluetooth App Control:

1. **Download the App:** Search for the official Jecod or Jebao app in your mobile device's app store (iOS or Android) 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-5 wave maker. The app provides comprehensive control over programming, mode selection, and precise adjustment of flow rates.

Manual Control:

The physical controller features a visual LCD display and buttons for direct, basic operation and adjustments without the need for the mobile app.

Master and Slave Mode:

For aquariums utilizing multiple wave makers, configure them in master and slave mode wirelessly through the app. This allows for synchronized water flow patterns, creating a more natural and effective circulation throughout your tank.

Adjusting Water Direction:

The wave maker is designed with a 3D big rotation angle. Manually adjust the pump's orientation to direct the water output as desired, optimizing circulation and wave patterns within your aquarium.

6. MAINTENANCE

Regular maintenance is crucial for ensuring the longevity, efficiency, and quiet operation of your DLW-5 wave maker.

1. **Cleaning:** Always disconnect the power supply before performing any maintenance. Carefully remove the wave maker from the aquarium. Periodically clean the impeller and the pump housing to prevent the buildup of algae, detritus, and mineral deposits. Use a soft brush and aquarium-safe cleaning solutions if necessary. Rinse thoroughly with clean water before reinstallation.
2. **Impeller Inspection:** During cleaning, inspect the impeller for any signs of wear, cracks, or damage. A worn impeller can lead to reduced flow or increased noise. Replace the impeller if it shows significant wear.
3. **Automatic Power-Off Protection:** The unit is equipped with an automatic power-off protection feature that activates upon no water detection. While this feature helps prevent dry running, it is essential to always ensure the pump remains fully submerged during operation to avoid unnecessary activation and potential stress on the unit.

7. TROUBLESHOOTING

If you encounter issues with your DLW-5 wave maker, refer to the following troubleshooting guide:

- **Pump Not Operating:**
 - Ensure the AC power adapter is securely connected to both the controller and a functional power outlet.
 - Verify that the wave maker pump unit is properly connected to the controller.
 - Check if the pump is fully submerged in water. The unit has a no-water protection feature that will prevent it from operating if not submerged.
- **Weak Water Flow:**
 - Disconnect power and clean the impeller and pump housing thoroughly to remove any obstructions, such as algae or debris.
 - Ensure the pump is positioned correctly and its intake or output is not blocked by aquarium decorations or substrate.
- **Unusual Noise:**
 - Disconnect power and check for any foreign objects or debris lodged in the impeller. Clean thoroughly.
 - Ensure the pump is securely mounted to the tank glass and not vibrating against any surfaces.
 - Verify that the pump is fully submerged and not drawing air, which can cause gurgling noises.
- **Bluetooth Connection Issues:**

- Ensure Bluetooth is enabled on your mobile device.
- Restart the mobile application and the wave maker controller.
- Make sure your mobile device is within close range of the wave maker controller.
- Consult the app's help section for specific pairing instructions or troubleshooting steps.

8. SPECIFICATIONS

Feature	Specification
Brand	Jebao
Model Number	DLW-5
Material	Metal
Style	Submersible
Power Source	Corded Electric
Max Flow	792 GPH (3000 L/H)
Power	12V 7.5-watt
Dimension (pump only)	1.5" x 2.25" dia.
Included Components	Wave Maker, Controller, AC adapter

9. WARRANTY AND SUPPORT

For specific warranty information regarding your Jebao DLW-5 Bluetooth Submersible Vario Wave Maker, please refer to the documentation provided at the time of purchase or contact your authorized retailer. Keep your purchase receipt as proof of purchase for any warranty claims.

For technical support, troubleshooting assistance beyond this manual, or inquiries about replacement parts, please contact the retailer from whom you purchased the product or visit the official Jebao website for manufacturer support resources.