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› [Jebao](#) /

› [Jebao DEP Bluetooth Submersible Vario DC Pump DEP-10000 User Manual](#)

Jebao DEP-10000

Jebao DEP Bluetooth Submersible Vario DC Pump DEP-10000 User Manual

Model: DEP-10000

Brand: Jebao

1. INTRODUCTION

1.1 Product Overview

The Jebao DEP Bluetooth Submersible Vario DC Pump is an energy-efficient pump designed for both saltwater and freshwater aquarium systems. It utilizes advanced frequency conversion electronic technology, resulting in up to 65% energy savings and ultra-quiet operation. The pump features a Bluetooth connection for APP control, an LED screen display for manual adjustments, and a feeding suspension function.

1.2 Key Features

- Bluetooth connection for APP control.
- Manual and APP control system with visual LCD display.
- Bottom-suction water intake for low water-level operation.
- Sine wave technology for ultra-quiet operation.
- IC electronic detection for dry/locked rotor protection.
- Feeding suspension function for 10 minutes with delayed restart.

2. PACKAGE CONTENTS

Carefully unpack all components and verify that all items listed below are present and undamaged. If any items are missing or damaged, contact your retailer.



Figure 2.1: All components included with the Jebao DEP-10000 pump, including the pump unit, controller, power adapter, and various hose adapters.

- Jebao DEP-10000 DC Pump Unit
- Controller with LED screen display
- Power Adapter (110 Volts)
- Various Outlet Hose Adapters (3/4", 1", 1-1/4", 1-1/2")
- Pipe Fittings (3/4", 1", 1-1/4")
- User Manual

3. IMPORTANT SAFETY INSTRUCTIONS

Read and follow all safety instructions before installing and operating this pump. Failure to do so may result in injury or damage to the product.

- **Electrical Safety:** Always disconnect power to all aquarium equipment before performing any maintenance or installation. Ensure the power outlet has a ground fault circuit interrupter (GFCI). Do not operate the pump if the power cord or plug is damaged.
- **Water Immersion:** This pump is designed for submersible use only. Do not operate it dry.
- **Voltage:** Ensure the power supply voltage matches the pump's requirements (110 Volts).
- **Placement:** Position the pump securely to prevent movement during operation.
- **Children:** Keep this product out of reach of children.
- **Temperature:** Do not use the pump with liquids exceeding 35°C (95°F).

4. SETUP AND INSTALLATION

4.1 Component Identification

Familiarize yourself with the pump unit and its various parts before installation.



Figure 4.1: Side view of the Jebao DEP-10000 pump, highlighting the main body and intake screen.

4.2 Placement

1. The DEP-10000 pump is designed for submersible operation. Place the pump entirely underwater in your aquarium or sump.
2. Ensure the pump is placed on a stable, flat surface to minimize vibration and noise.
3. Verify that the water intake is clear of obstructions to allow for optimal flow.

4.3 Connecting Hoses and Adapters

1. Select the appropriate hose adapter (3/4", 1", 1-1/4", or 1-1/2") and pipe fitting (3/4", 1", or 1-1/4") for your plumbing system.
2. Attach the chosen adapter securely to the pump's outlet.
3. Connect your return line hose or PVC piping to the adapter. Ensure all connections are tight to prevent leaks.



Figure 4.3: Angled view of the Jebao DEP-10000 pump, showing the power cable connecting to the controller.

5. OPERATING THE PUMP

5.1 Initial Start-up

Once the pump is installed and connected to power, it will automatically start. The LED display on the controller will show the current operating status and flow rate.

5.2 Manual Control

The controller features an LED screen and buttons for direct adjustment of the pump's flow rate. Refer to the controller's specific button functions for increasing or decreasing flow.

5.3 Bluetooth APP Control

The pump can be controlled wirelessly via a dedicated mobile application.

1. **Download the App:** Search for the official Jebao/Jecod app on your smartphone's app store.
2. **Enable Bluetooth:** Ensure Bluetooth is enabled on your smartphone.
3. **Connect to Pump:** Open the app and follow the on-screen instructions to discover and pair with your DEP-10000 pump. Note that the app typically requires a 2.4GHz Wi-Fi connection for initial setup or certain functionalities.
4. **Adjust Settings:** Use the app interface to precisely control the pump's flow rate, set schedules, and

activate special functions.

5.4 Feeding Suspension Function

The pump includes a feeding mode to temporarily stop water flow during feeding times. Activate this function via the controller or the mobile app. The pump will suspend operation for 10 minutes and then automatically restart.

6. MAINTENANCE

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

6.1 Regular Cleaning

1. **Disconnect Power:** Always unplug the pump from the power outlet before cleaning.
2. **Remove from Water:** Carefully remove the pump from your aquarium or sump.
3. **Disassemble:** Disassemble the pump housing and impeller cover.
4. **Clean Components:** Use a soft brush and clean water to remove any algae, debris, or calcium buildup from the impeller, impeller shaft, and pump housing. For stubborn deposits, a mild vinegar solution can be used, followed by thorough rinsing.
5. **Reassemble:** Reassemble all components, ensuring they are correctly seated.

6.2 Impeller Inspection

Periodically 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 necessary.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your DEP-10000 pump.

Problem	Possible Cause	Solution
Pump does not start	No power; Controller/pump connection loose; Impeller jammed	Check power supply and GFCI; Ensure all cables are securely connected; Clean impeller and pump housing.
Low flow rate	Clogged intake/outlet; Worn impeller; Air in pump	Clean intake screen and plumbing; Inspect and replace impeller if damaged; Ensure pump is fully submerged and free of air bubbles.
Unusual noise/vibration	Debris in impeller; Worn impeller; Improper placement	Clean impeller; Inspect and replace impeller if damaged; Ensure pump is on a stable surface and not touching tank walls.
Bluetooth connection issues	Incorrect app; Phone Bluetooth off; 2.4GHz Wi-Fi requirement not met	Ensure correct app is installed; Turn phone Bluetooth on/off; Verify network is 2.4GHz for initial setup.

8. TECHNICAL SPECIFICATIONS

Specification	Detail
Model	DEP-10000
Brand	Jebao
Power	80 Watts
Maximum Flow Rate	2641 GPH (10000 L/H)
Maximum Lifting Height (H-max)	19.7 Feet (6.0 Meters)
Voltage	110 Volts
Product Dimensions	8"L x 4"W x 5"H (Pump Unit)
Overall Size	12.6" x 10.25" x 5.7" (Packaging/Overall footprint)
Material	Plastic
Color	Black
Power Source	Corded Electric
Item Weight	7.3 pounds
Included Components	LED screen display, pump
Batteries Required?	No

9. WARRANTY AND SUPPORT

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

Related Documents - DEP-10000

	<p>Jebao DC Pump Owner's Manual - Models DCP-2500 to DCP-20000</p> <p>The Jebao DC Pump Owner's Manual provides comprehensive instructions for the safe operation, installation, maintenance, and troubleshooting of DCP-2500, DCP-3000, DCP-4000, DCP-5000, DCP-6500, DCP-8000, DCP-10000, DCP-15000, DCP-18000, and DCP-20000 models. Learn about features like adjustable flow rate, feed mode, memory function, and automatic power-off protection for both submersible and non-submersible applications in marine and fresh water environments.</p>
	<p>Jebao DC Pump User Manual - DCP Series</p> <p>Comprehensive user manual for Jebao DC Pumps (DCP-2500 to DCP-20000), covering features, operation, maintenance, and troubleshooting.</p>

 <p>Jebao Smart Wave Maker USER'S MANUAL</p> <p>WARNINGS</p> <p>1. Do not touch the pump body. 2. Do not touch the pump body when the pump is running. 3. Do not touch the pump body when the pump is running. 4. Do not touch the pump body when the pump is running. 5. Do not touch the pump body when the pump is running.</p> <p>MCP, MLW, MOW SERIES</p>	<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>
 <p>Jecod Anwendungshandbuch D Vario DC Strömungspumpe</p> <p>WICHTIG</p> <p>1. Lesen Sie die Bedienungsanleitung vor dem Betrieb der Pumpe. 2. Die Pumpe ist für den Einsatz in Süßwasser geeignet. 3. Die Pumpe ist für den Einsatz in Aquarien geeignet. 4. Die Pumpe ist für den Einsatz in Aquarien geeignet. 5. Die Pumpe ist für den Einsatz in Aquarien geeignet.</p>	<p>Jecod Vario DC Strömungspumpe Bedienungsanleitung Installation, App-Steuerung & Wartung</p> <p>Umfassende Anleitung für die Jecod Vario DC Strömungspumpe Serie D. Enthält Details zu Installation, Funktionen, Bluetooth- und App-Steuerung (Jebao Aqua), Wartung und Fehlerbehebung.</p>
 <p>Jebao Smart DC Pump USER MANUAL</p>  <p>MDP Series MDP-2000, MDP-3000, MDP-5000, MDP-6000, MDP-8000, MDP-10000, MDP-12000, MDP-15000, MDP-20000</p>	<p>Jebao Smart DC Pump User Manual - MDP Series</p> <p>Comprehensive user manual for Jebao Smart DC Pumps (MDP Series), covering features, operation, app control, Wi-Fi setup, maintenance, and troubleshooting.</p>
 <p>Jebao Cross-Flow Wave Pump</p> 	<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>