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Jebao EP-10000M

Jebao Jecod EP-10000M Smart DC Pump User Manual

Model: EP-10000M (2641 GPH)



1. INTRODUCTION

This manual provides instructions for the safe and efficient operation of your Jebao Jecod EP-10000M Smart DC Pump. This pump is designed for use in both marine and freshwater aquarium systems, offering precise control via an LCD display controller and 2.4G Wi-Fi connectivity through the Jebao App.



Image 1.1: The Jecod EP-10000M Smart DC Pump with its retail packaging.

2. SAFETY INFORMATION

Please read all safety warnings and instructions carefully before operating the pump. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- **Electrical Safety:** Ensure the power supply matches the pump's requirements (24V DC). Always disconnect power before performing any maintenance or installation.
- **Water Contact:** The pump is designed for submersible use. Ensure all electrical connections are dry and away from water. There are no exposed copper elements, making it suitable for both marine and fresh water environments.
- **Automatic Protection:** The pump features IC electronic detection for automatic power-off protection if no water is detected. It also includes motor protection if the rotor becomes blocked. Do not bypass these safety features.
- **Placement:** Position the pump securely to prevent accidental movement or damage.

3. PACKAGE CONTENTS

Verify that all components are present in the package:

- Jebao Jecod EP-10000M DC Pump
- LCD Display Controller
- Power Adapter (110-120V 60Hz input, 24V DC output)
- Various hose connectors/fittings
- O-rings
- Instruction Manual (this document)



Image 3.1: All included components: pump, controller, power adapter, and various fittings.

4. SETUP

Follow these steps to set up your EP-10000M pump:

1. **Prepare the Pump:** Attach the appropriate hose connectors/fittings to the pump's inlet and outlet. Ensure O-rings are correctly seated for a watertight seal.
2. **Position the Pump:** Place the pump in your desired location within the aquarium or sump. Ensure it is fully submerged if intended for submersible operation.
3. **Connect to Controller:** Connect the pump's cable to the LCD display controller. Ensure the connection is secure.
4. **Connect Power Adapter:** Connect the power adapter to the LCD display controller.
5. **Power On:** Plug the power adapter into a suitable electrical outlet. The LCD display should illuminate.
6. **Wi-Fi Connection (Optional):**

- Download the Jebao App from your smartphone's app store (iOS or Android).
- Follow the in-app instructions to connect the pump to your 2.4G Wi-Fi network. The controller also supports AP (Access Point) mode, allowing direct connection without a router if needed.



Image 4.1: The pump with an output adapter installed, ready for hose connection.

5. OPERATING INSTRUCTIONS

The EP-10000M pump offers flexible control options:

- **LCD Display Controller:** Use the buttons on the LCD controller to adjust flow rate, switch modes, and access settings. Refer to the controller's specific interface for detailed button functions.
- **Jebao App:** Once connected via Wi-Fi, the Jebao App provides comprehensive control over the pump's functions, including scheduling, power adjustments, and mode selection.
- **SINE Wave Technology:** This pump utilizes SINE wave technology for ultra-quiet operation and stable performance, minimizing noise and vibrations in your aquarium system.



Image 5.1: A detailed view of the pump's intake section, highlighting its design.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your pump.

- **Disconnect Power:** Always unplug the pump from the power source before any maintenance.
- **Rotor Cleaning:** Periodically remove the pump's front cover and impeller assembly. Clean the impeller and its housing to remove any debris, algae, or calcium buildup. A small brush can be used.
- **Housing Cleaning:** Wipe down the pump's exterior and controller with a damp cloth. Do not use harsh chemicals.
- **Cable Inspection:** Regularly inspect the power cable and pump cable for any signs of damage or wear. Replace if necessary.
- **Reassembly:** Ensure all parts are correctly reassembled and seals are properly seated before reconnecting power.

7. TROUBLESHOOTING

If you encounter issues with your EP-10000M pump, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Pump not running	No power; blocked impeller; no water detected (safety shutdown)	Check power connection; clean impeller; ensure pump is submerged and water level is adequate.
Reduced flow rate	Clogged impeller or intake; kinked tubing; incorrect setting	Clean impeller and intake; check tubing for obstructions; adjust flow setting on controller/app.

Problem	Possible Cause	Solution
Unusual noise/vibration	Debris in impeller; worn impeller; pump not securely placed	Clean impeller; inspect impeller for damage (replace if necessary); ensure pump is stable.
Wi-Fi connection issues	Incorrect Wi-Fi password; 5Ghz network; distance from router; app issues	Ensure 2.4Ghz network is used; re-enter password; move closer to router; restart app/controller.

8. SPECIFICATIONS

Technical specifications for the Jebao Jecod EP-10000M Smart DC Pump:

Feature	Specification
Model	EP-10000M
Max Flow Rate	2641 GPH (10000 L/H)
Max Head	19.7 ft (6.0 m)
Power Consumption	80W
Input Voltage	110-120V, 60Hz (for power adapter)
Output Voltage	DC 24V (to pump)
Dimensions (LxWxH)	8 x 4 x 5 inches (approximate pump dimensions)
Material	Plastic, Polypropylene (PP)
Color	White
Weight	7 pounds (item weight)
Connectivity	2.4G Wi-Fi, AP Mode, Manual Controller
Water Type	Marine and Fresh Water
Protection	IC electronic detection, automatic power-off (no water), motor protection (rotor blocked)

9. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation provided with your purchase or contact Jebao customer service directly. Specific warranty terms may vary by region and retailer.



Related Documents - EP-10000M

 <p>Jebao Smart Wave Maker USER'S MANUAL</p> <p>WARNING:</p> <ol style="list-style-type: none">1. To ensure performance, do not let the pump run dry.2. Regular maintenance and regular cleaning are required.3. Do not install where accessible for subject to rain. Please check the subject to rain possible part after the installation to reduce the possibility of rain water.4. Please disconnect the power when you repair or clean the pump. <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>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 USER MANUAL</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>
 <p>Jebao UV Fountain Pump USER MANUAL</p> 	<p>Jebao UV Fountain Pump User Manual</p> <p>User manual for Jebao UFP-1000 and UFP-2000 UV fountain pumps, detailing installation, maintenance, troubleshooting, and safety instructions.</p>
 <p>Jebao DC Pump USER MANUAL</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 DC Pump OWNER'S MANUAL</p> 	<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>