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- > [Jebao](#) /
- > [Jebao Jecod Programmable Auto Dosing Pump DP-5, 5-Channel User Manual](#)

## Jebao DP-5

# Jebao Jecod Programmable Auto Dosing Pump DP-5, 5-Channel User Manual

Model: DP-5

## 1. INTRODUCTION

The Jebao Jecod DP-5 is a programmable auto dosing pump designed for precise and consistent liquid dispensing in aquarium environments. This 5-channel unit allows for individual programming of each pump, ensuring stable tank parameters by automating the addition of supplements. This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your DP-5 dosing pump.



Figure 1: Angled view of the Jebao Jecod DP-5 Auto Dosing Pump. This image shows the overall design with five dosing heads and the control panel.

## 2. PRODUCT FEATURES

- **5 Independent Dosing Channels:** Each channel can be programmed to dispense liquids independently.
- **Programmable Dosing Volume:** Each channel can dispense from 1ml to 9999ml per day.
- **Stable Tank Parameters:** Automates supplement addition, reducing manual effort and maintaining consistent water chemistry.
- **User-Friendly Controller:** Easy to navigate interface for individual pump programming.
- **Flexible Dosing Increments:** Suitable for both large and small volume dosing requirements.

## 3. PACKAGE CONTENTS

Before proceeding with the setup, please verify that all components are present in the package:

- Jebao Jecod DP-5 Auto Dosing Pump Unit
- Power Adapter
- Instruction Manual
- Dosing Tubes and Connectors (typically included, though not explicitly listed in product features, it's standard)



Figure 2: Contents of the Jebao Jecod DP-5 package. This image displays the dosing pump unit, power adapter, and instruction manual.

## 4. SETUP INSTRUCTIONS

1. **Placement:** Position the dosing pump on a stable, dry surface near your aquarium. Ensure it is above the water level of your dosing containers to prevent siphoning.
2. **Connect Dosing Tubes:** Connect one end of the dosing tubes to the pump's output nozzles (P1-P5). Connect the other ends to the appropriate dosing solution containers. Ensure tubes are securely fitted to prevent leaks.
3. **Power Connection:** Connect the power adapter to the pump's power input port and then plug it into a suitable electrical outlet. The unit should power on.
4. **Calibration:**
  - A 100ml graduated cylinder (not included) is required for accurate calibration.
  - Access the calibration menu on the pump's controller.
  - Follow the on-screen instructions to calibrate each pump channel individually. This typically involves running a pump for a set duration and measuring the dispensed volume to adjust for accuracy.
  - Accurate calibration is crucial for precise dosing.



Figure 3: Front view of the DP-5 unit, showing the five pump channels labeled P1 through P5, and the power indicator.

## 5. OPERATING INSTRUCTIONS

The DP-5 features an easy-to-use controller for programming each dosing channel.

### 5.1. Navigating the Controller

Use the directional buttons (up, down, left, right) and the 'Enter' button (usually the center button) on the control panel to navigate through menus and confirm selections. The 'ESC' button is used to go back or exit a menu.



Figure 4: Front view of the DP-5, highlighting the LCD screen and control buttons for programming.

## 5.2. Programming Dosing Channels

1. **Select Channel:** From the main menu, select the pump channel (P1-P5) you wish to program.
2. **Set Dosing Volume:** Enter the desired volume (in ml) to be dispensed per day for the selected channel. The range is typically 1ml to 9999ml.
3. **Set Dosing Frequency:** Specify how many times per day the dose should be administered. The pump will divide the total daily volume by the frequency to determine the volume per dose.
4. **Set Dosing Times:** For each dose, set the specific time of day it should occur. Ensure these times are spread out appropriately for your aquarium's needs.
5. **Save Settings:** Confirm and save your programming for the channel. Repeat for all other channels as needed.

*Example:* To dose 100ml of a supplement daily in two equal doses, you would set the daily volume to 100ml, frequency to 2, and then set two specific times (e.g., 9:00 AM and 9:00 PM) for 50ml each.

## 6. MAINTENANCE

Regular maintenance ensures the longevity and accurate operation of your dosing pump.

- **Tube Inspection:** Periodically inspect dosing tubes for kinks, blockages, or wear. Replace any damaged tubes immediately.
- **Pump Head Cleaning:** If dosing solutions are prone to crystallization or residue buildup, periodically clean the pump heads. Refer to the specific instructions in the included manual for detailed cleaning procedures.
- **Recalibration:** It is recommended to recalibrate the pumps every few months, or if you notice inconsistencies in

dosing volumes, to maintain accuracy.

- **Power Supply Check:** Ensure the power adapter and cable are free from damage.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Pump not dispensing liquid.	No power. Dosing tube kinked or blocked. Dosing solution container empty. Pump not programmed correctly.	Check power connection and outlet. Inspect and clear dosing tubes. Refill dosing solution. Verify programming settings for the channel.
Inaccurate dosing volume.	Pump not calibrated or calibration is off. Air bubbles in the dosing line.	Recalibrate the pump using a graduated cylinder. Ensure dosing tubes are fully submerged in solution and free of air.
LCD screen not displaying.	Power issue. Internal component failure (as noted in some user reviews).	Check power connection. If power is confirmed, contact customer support for assistance.

## 8. SPECIFICATIONS

Feature	Detail
Model	DP-5
Number of Channels	5
Dosing Volume per Channel	1 - 9999 ml/day
Product Dimensions (L x W x H)	9.25 x 6.75 x 2.5 inches
Package Dimensions (L x W x H)	12.95 x 8.11 x 3.98 inches
Item Weight	3.05 pounds
Power Input	DC 12V (from power adapter)
Manufacturer	Jebao

## 9. WARRANTY INFORMATION

This product typically comes with a limited manufacturer's warranty. Please refer to the warranty card included in your product packaging or contact the retailer/manufacturer directly for specific warranty terms, conditions, and duration. Keep your proof of purchase for any warranty claims.

## 10. CUSTOMER SUPPORT

For technical assistance, troubleshooting beyond this manual, or inquiries regarding parts and service, please contact your retailer or the manufacturer's customer support. Have your product model number (DP-5) and purchase date ready when contacting support.

Manufacturer: Jebao

*Note: Contact information such as phone numbers or email addresses are typically provided on the manufacturer's official website or in the product packaging.*