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› [Jebao](#) /

› [Jebao Doser 3.4 WiFi 4-Channel Auto Dosing Pump User Manual](#)

Jebao Doser3.4

Jebao Doser 3.4 WiFi 4-Channel Auto Dosing Pump User Manual

Model: Doser3.4

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Jebao Doser 3.4 WiFi 4-Channel Auto Dosing Pump. This device is designed to precisely and automatically dispense liquid supplements into saltwater reef aquariums, helping to maintain stable water parameters. Please read this manual thoroughly before use to ensure proper function and longevity of the product.

2. SAFETY INFORMATION

- **Indoor Use Only:** This product is designed for indoor use in a dry environment. Avoid exposure to moisture or splashing water. Water damage will void the warranty.
- **Chemical Compatibility:** Do not use with corrosive liquids or solutions that may easily crystallize, as this can damage the pump mechanisms.
- **Power Supply:** Use only the provided DC 12V power adapter. Ensure the power outlet is easily accessible.
- **Disassembly:** Do not attempt to disassemble or repair the product yourself. Refer to qualified professionals for service. Unauthorized disassembly voids the warranty.
- **Children and Pets:** Keep the device out of reach of children and pets.
- **WiFi Connection:** The device operates on a 2.4G WiFi network only. Ensure your router is compatible and configured for 2.4G. 5G networks are not supported.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Jebao Doser 3.4 Dosing Pump x1
- Power Adapter x1
- User Manual x1
- Dosing Tubes and Connectors (pre-installed or included separately)

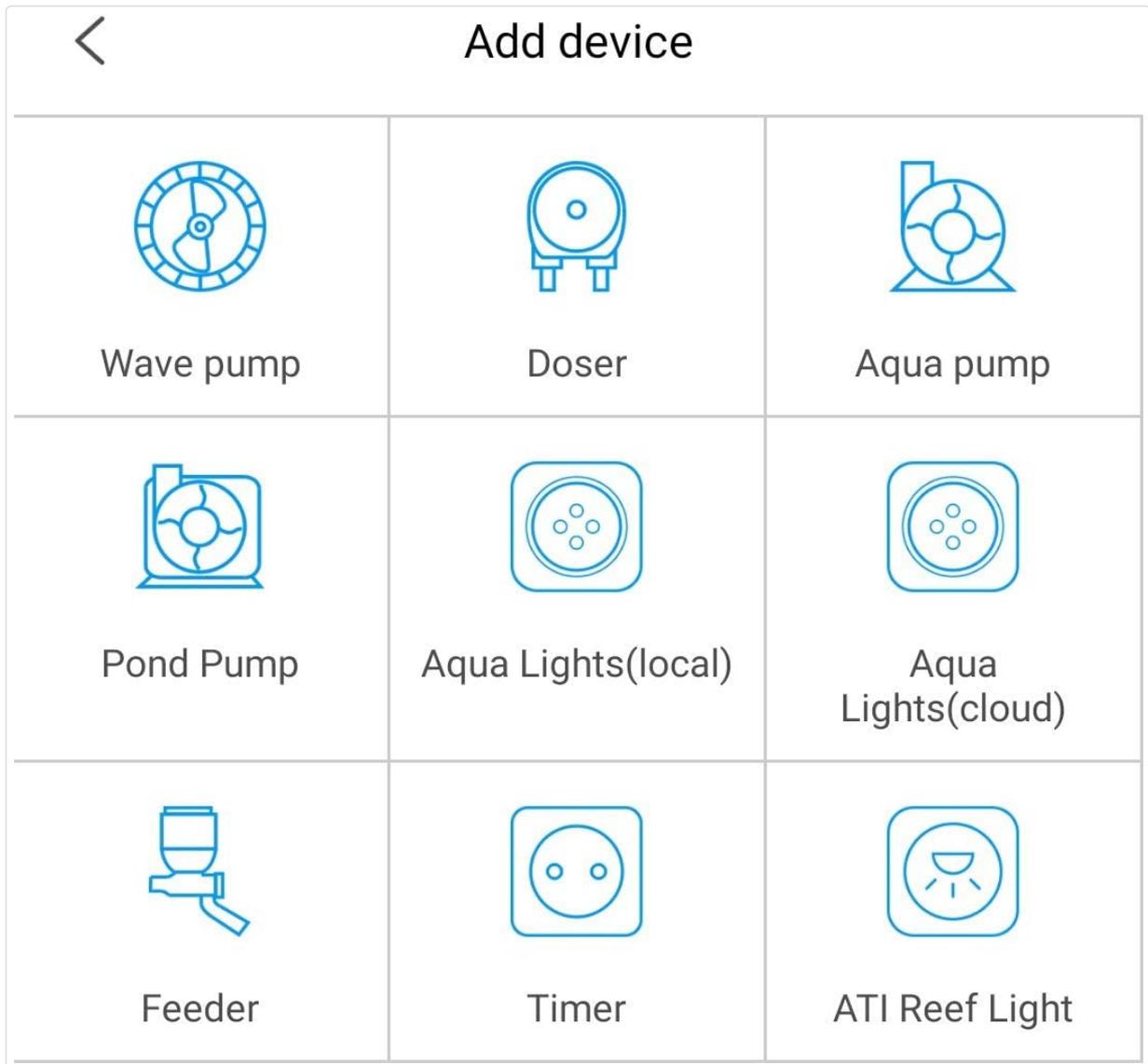


Image: Contents of the Jebao Doser 3.4 package, including the dosing pump, power adapter, and user manual.

4. PRODUCT OVERVIEW

The Jebao Doser 3.4 features four independent dosing channels, each with its own pump head. The device is controlled via a mobile application connected through WiFi.

4.1 Front Panel



Image: Front view of the Jebao Doser 3.4, highlighting the four pump heads, power indicator, status indicator, and individual pump indicators.

- **Power Indicator:** Illuminates when the device is powered on.
- **Status Indicator:** Shows the WiFi connection status.
- **Pump 1-4 Indicators:** Light up when the respective pump is active.
- **Pump Heads 1-4:** Peristaltic pumps responsible for dispensing liquids.

4.2 Rear Panel



Image: Rear view of the Jebao Doser 3.4, showing two keyhole slots for wall mounting.

- **Mounting Holes:** Two keyhole slots for secure wall mounting.

4.3 Side Panel



Image: Side view of the Jebao Doser 3.4, illustrating the power input port where the DC adapter connects.

- **DC Power Input:** Port for connecting the provided 12V DC power adapter.

5. SETUP

5.1 Physical Installation

1. **Mounting:** Choose a dry, stable location near your aquarium. The unit can be wall-mounted using the keyhole slots on the rear panel.
2. **Tubing Connection:** Connect the inlet and outlet hoses to each pump head. Ensure the inlet tubes are placed in your supplement containers and the outlet tubes are directed into your aquarium or sump.
3. **Power Connection:** Connect the provided power adapter to the DC power input on the side of the unit, then plug it into a suitable power outlet. The Power indicator light should illuminate.

5.2 App Installation and WiFi Connection

The Jebao Doser 3.4 is controlled via a mobile application. Ensure your smartphone is connected to a 2.4GHz WiFi network during the setup process.

1. **Download the App:** Search for the "Jebao" app in your mobile device's app store (iOS or Android) and install it.
2. **Open the App:** Launch the Jebao app. You may need to create an account or log in.
3. **Add Device:** On the "My Devices" screen, tap the "Add Now" button or the '+' icon to add a new device.

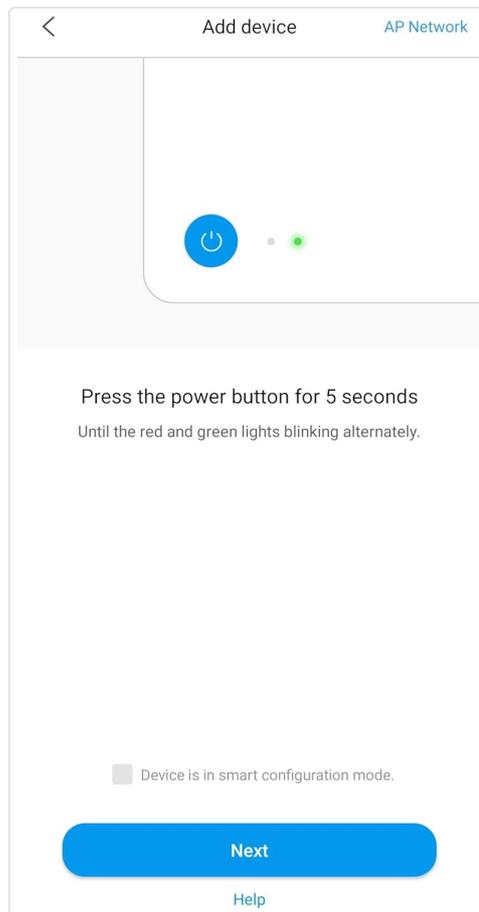


Image: Screenshot of the Jebao app's "My Devices" screen, prompting the user to add a new device.

4. **Select Doser:** From the list of device types, select "Doser".

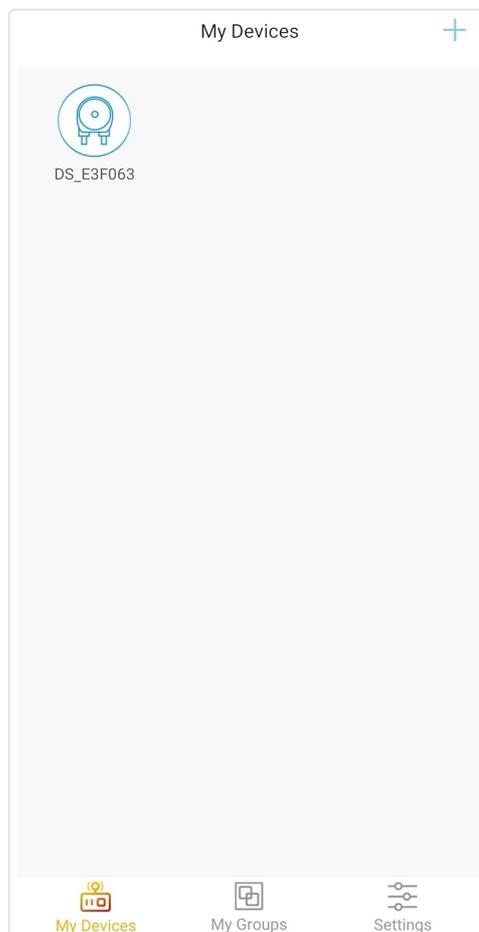


Image: Screenshot of the Jebao app's "Add device" screen, where the user selects "Doser" from a grid of product types.

- 5. Enter Configuration Mode:** Press and hold the power button on the Doser 3.4 for approximately 5 seconds until the red and green lights blink alternately. This indicates the device is in configuration mode.



Image: Screenshot of the Jebao app's setup guide, instructing the user to press and hold the device's power button for 5 seconds to initiate pairing.

- 6. Connect to WiFi:** Follow the on-screen prompts in the app to connect the doser to your home 2.4GHz WiFi network. You may need to enter your WiFi password.

Note: If you experience difficulty connecting, ensure your mobile device is connected to the 2.4GHz band of your router. Some routers combine 2.4GHz and 5GHz bands; temporarily disabling the 5GHz band on your router during setup can often resolve connection issues.

- 7. Device Added:** Once successfully connected, the device will appear in your "My Devices" list.

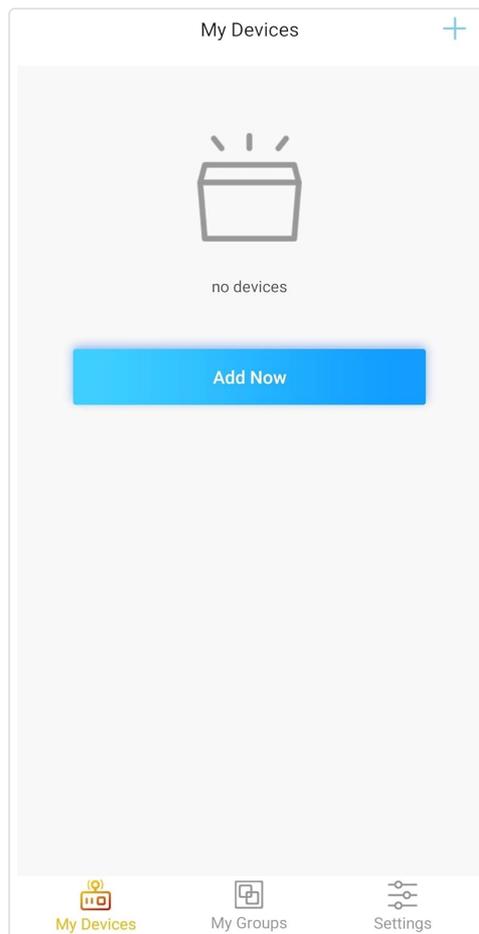


Image: Screenshot of the Jebao app's "My Devices" screen, displaying a successfully added Doser device with its unique identifier.

6. OPERATING INSTRUCTIONS

6.1 Pump Calibration

Before initial use and periodically thereafter, each pump head must be calibrated to ensure accurate dosing volumes.

1. **Prepare for Calibration:** Place the outlet tube of the pump you wish to calibrate into a measuring cylinder or container with precise volume markings.
2. **Initiate Calibration:** In the Jebao app, navigate to the settings for the specific pump channel and select the calibration option.
3. **Run Pump:** The app will prompt you to run the pump for a set duration (e.g., 1 minute) or to dispense a specific volume (e.g., 10ml).
4. **Measure and Adjust:** After the pump runs, measure the actual volume dispensed. Enter this value into the app. The app will then adjust the pump's internal settings for accuracy.
5. **Repeat:** Repeat this process for all four pump channels.

6.2 Programming Dosing Schedules

The app allows you to set precise dosing schedules for each channel.

1. **Select Channel:** In the app, select the specific pump channel you wish to program.
2. **Set Dosing Times:** You can program up to 24 dosing times per day for each channel. Specify the exact time for each dose.
3. **Set Dosing Volume:** For each scheduled dose, enter the desired volume to be dispensed (from 1ml to 9999ml).
4. **Set Interval (Optional):** The device can be set to dose at intervals of up to 30 days, allowing for flexible dosing strategies.
5. **Save Settings:** Ensure you save your programmed schedules within the app.

7. MAINTENANCE

- **Regular Cleaning:** Periodically inspect the pump heads and tubing for any signs of crystallization or blockage. Clean as necessary using warm water.
- **Tubing Inspection:** Check dosing tubes for kinks, wear, or damage. Replace worn tubing to prevent leaks or inaccurate dosing.
- **Recalibration:** It is recommended to recalibrate the pumps monthly or whenever you notice inconsistencies in dosing volume to maintain accuracy.
- **Power Supply:** Ensure the power adapter and cable are free from damage.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	No power, faulty adapter.	Check power connection, ensure outlet is active. Verify power adapter is correctly connected.

Problem	Possible Cause	Solution
Cannot connect to WiFi.	Incorrect WiFi band (5GHz), weak signal, incorrect password, router settings.	Ensure your router is broadcasting a 2.4GHz signal. Connect your phone to the 2.4GHz network during setup. Temporarily disable 5GHz on your router if it combines bands. Verify WiFi password. Move the doser closer to the router.
Inaccurate dosing volume.	Pump not calibrated, tubing issues, crystallization.	Perform pump calibration as described in Section 6.1. Check tubing for kinks or blockages. Clean pump heads if crystallization is present.
Pump making squeaking noises.	Wear in pump head, dry tubing.	Ensure tubing is properly lubricated (if applicable, check manufacturer recommendations). If persistent, contact support for potential pump head replacement.
Dosing schedule not executing.	Incorrect app settings, WiFi disconnection.	Verify schedules are correctly saved in the app. Check WiFi status indicator on the device and in the app. Re-establish WiFi connection if necessary.

9. SPECIFICATIONS

Feature	Detail
Model	Doser3.4
Channels	4
Power	DC 12V, 6W
Maximum Flow Rate (Q max)	50 L/m (Liters per minute)
Maximum Lifting Height (H-max)	1.5m (4.9ft)
Dosing Volume per Channel	1 to 9999ml per day
Dosing Frequency	Up to 24 times per day per channel
Dosing Interval	Up to 30 days
Dimensions (L x W x H)	8.75" x 3.2" x 2.8" (22.2cm x 8.1cm x 7.1cm)
Connectivity	WiFi (2.4G Network only)
Material	Plastic
Color	White

10. WARRANTY AND SUPPORT

10.1 Warranty Information

The Jebao Doser 3.4 comes with a **180-day warranty** from the date of purchase. This warranty covers manufacturing defects under normal use. It does not cover damage resulting from misuse, unauthorized

modifications, improper installation, or water damage.

10.2 Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact Jebao customer support through their official website or the retailer where the product was purchased. Please have your product model number (Doser3.4) and proof of purchase ready when contacting support.