

[Manuals.plus](#) /

› [Blau Aquaristic](#) /

› Blau Aquaristic 7794010 Multi Dosing Pump User Manual

## Blau Aquaristic 7794010

# Blau Aquaristic 7794010 Multi Dosing Pump User Manual

Model: 7794010

## 1. INTRODUCTION

---

The Blau Aquaristic 7794010 Multi Dosing Pump is a sophisticated system designed for the automatic administration of liquids in both marine and freshwater aquariums. This unit features three independent dosing pumps, with the capability to expand up to eleven pumps using additional extension modules. It allows for precise dosing from 1 to 99 ml, ensuring consistent delivery of fertilizers or additives. The system includes a memory clock to retain settings during power outages, a calibration function for accuracy, weekly programming options, and an alarm system to alert users of motor failure or liquid shortages.

## 2. SAFETY INSTRUCTIONS

---

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

- Ensure the device is placed on a stable, dry surface, away from direct water splashes.
- This product is intended for indoor use only.
- Only use the power adapter supplied with the unit.
- Do not immerse the pump unit in water.
- Disconnect the power supply before performing any maintenance or cleaning.
- Keep out of reach of children and pets.
- Do not operate the device if the power cord or plug is damaged.

## 3. PACKAGE CONTENTS

---

Verify that all items are present in the package:

- Blau Aquaristic 7794010 Multi Dosing Pump Unit
- Power Adapter

- Dosing Tubing (sufficient length for three pumps)
- User Manual

## 4. PRODUCT OVERVIEW

---

The Blau Aquaristic 7794010 Multi Dosing Pump features a compact design with an integrated display and control buttons for easy programming. It includes three peristaltic pumps, each with an inlet and outlet for precise liquid transfer.

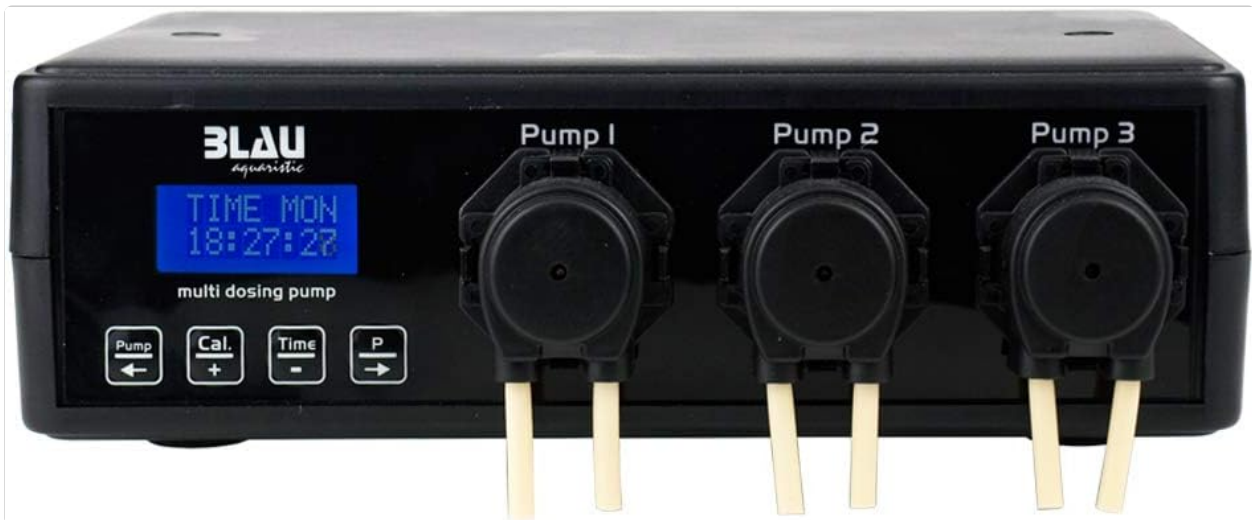


Image 1: Front view of the Blau Aquaristic 7794010 Multi Dosing Pump. The unit is black with a blue LCD screen displaying 'TIME MON 18:27:28'. Below the screen, it reads 'multi dosing pump'. To the right are three black peristaltic pump heads labeled 'Pump 1', 'Pump 2', and 'Pump 3', each with two white tubes extending downwards. Control buttons are visible below the screen: 'Pump' (with left/right arrows), 'Cal. +' (calibration), 'Time -', and 'P' (program/enter).

### Key Features:

- Integrated clock with memory function, retaining settings during power outages.
- Calibration function for accurate dosing.
- Weekly programming capability for customized dosing schedules.
- Alarm function for motor failure detection.
- Alarm function for liquid shortage in containers.
- Expandable system, supporting up to eleven pumps with optional extension modules.

## 5. SETUP

---

Follow these steps for the initial setup of your dosing pump.

1. **Placement:** Position the dosing pump on a flat, stable, and dry surface near your aquarium. Ensure it is above the water level of your aquarium and dosing containers to prevent siphoning.
2. **Tubing Connection:** Connect the provided dosing tubing to the inlet and outlet ports of each pump head. The inlet tubing should extend into your liquid additive containers, and the outlet tubing should lead into your aquarium. Ensure all connections are secure.
3. **Power Connection:** Connect the power adapter to the dosing pump unit and then plug it into a suitable electrical outlet. The display should illuminate.
4. **Initial Power On:** Upon first power-on, the unit may require you to set the current time and date. Refer to

the 'Setting the Clock' section for instructions.

## Connecting Extension Modules:

If you wish to expand the system beyond the initial three pumps, connect additional Blau Aquaristic dosing pump extension modules (sold separately) according to their respective instructions. These modules typically connect to the main unit via a data cable and require their own power supply.

## 6. OPERATING INSTRUCTIONS

---

This section details how to operate and program your dosing pump.

### Control Buttons:

- **Pump (←→):** Used to select the pump number or navigate through menu options.
- **Cal. (+):** Used for calibration and increasing values during programming.
- **Time (-):** Used for setting the clock and decreasing values during programming.
- **P (Program/Enter):** Used to enter programming mode, confirm selections, or save settings.

### Setting the Clock:

1. Press the 'Time (-)' button to enter time setting mode.
2. Use 'Cal. (+)' and 'Time (-)' to adjust the hour. Press 'P' to confirm.
3. Repeat for minutes and day of the week. Press 'P' to save and exit.

### Calibration:

Calibration ensures accurate dosing volumes. It is recommended to calibrate each pump individually before first use and periodically thereafter.

1. Place a measuring cylinder under the outlet tube of the pump you wish to calibrate.
2. Press and hold the 'Cal. (+)' button until the display shows 'CAL'.
3. Use the 'Pump (←→)' button to select the pump number (1, 2, or 3).
4. Press 'P' to start the calibration process. The pump will dispense a set volume (e.g., 10ml).
5. Once the pump stops, compare the dispensed volume in the measuring cylinder with the expected volume.
6. Use 'Cal. (+)' and 'Time (-)' to adjust the displayed volume to match the actual dispensed volume.
7. Press 'P' to save the calibration settings for that pump.
8. Repeat for other pumps as needed.

### Programming Dosing Schedules:

The unit allows for weekly programming of dosing events.

1. Press the 'P' button to enter programming mode.
2. Use 'Pump (←→)' to select the pump you want to program (P1, P2, P3). Press 'P' to confirm.
3. The display will show the current day or 'ALL' for all days. Use 'Cal. (+)' and 'Time (-)' to select the desired day(s) for dosing. Press 'P' to confirm.
4. Set the dosing time (hour and minute) using 'Cal. (+)' and 'Time (-)', confirming each with 'P'.

5. Set the dosing volume (1-99 ml) using 'Cal. (+)' and 'Time (-)', confirming with 'P'.
6. You can program multiple dosing events per day for each pump. To add another event, repeat steps 3-5.
7. To exit programming mode, press and hold 'P' or wait for the unit to time out.

## 7. MAINTENANCE

---

Regular maintenance ensures the longevity and optimal performance of your dosing pump.

- **Cleaning:** Periodically wipe the exterior of the unit with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Tubing Inspection:** Regularly check the dosing tubing for kinks, blockages, or signs of wear. Replace tubing as necessary to prevent leaks or dosing inaccuracies.
- **Pump Head Maintenance:** Peristaltic pump heads contain rollers and tubing that wear over time. If dosing accuracy decreases or the pump becomes noisy, the internal tubing or entire pump head may need replacement. Refer to the manufacturer's guidelines for replacement parts and procedures.
- **Calibration:** Recalibrate the pumps periodically (e.g., monthly or after replacing tubing) to maintain accuracy.

## 8. TROUBLESHOOTING

---

This section addresses common issues you might encounter with your dosing pump.

Problem	Possible Cause	Solution
Pump not dispensing liquid	No power; tubing kinked or blocked; liquid container empty; pump head worn.	Check power connection; inspect and clear tubing; refill liquid container; replace pump head.
Inaccurate dosing volume	Pump not calibrated; worn pump head tubing; air bubbles in tubing.	Perform calibration; replace pump head tubing; ensure tubing is free of air.
Alarm sounds (motor failure)	Pump motor malfunction; obstruction in pump head.	Inspect pump head for obstructions; if problem persists, contact support.
Alarm sounds (liquid shortage)	Dosing container is empty or sensor (if applicable) is triggered.	Refill the liquid additive container.
Display is blank	No power; power adapter faulty.	Check power connection; test power adapter with another device if possible.

## 9. SPECIFICATIONS

---

Feature	Detail
Brand	Blau Aquaristic
Model Number	7794010

Feature	Detail
Dimensions (L x W x H)	10 x 22 x 27.5 cm
Weight	920 grams
Power Source	Electric Cable
Number of Pumps	3 (expandable up to 11 with modules)
Dosing Volume Range	1 to 99 ml
Programming	Weekly
Features	Memory clock, calibration, alarm for motor/liquid shortage
International Article Code	08436036494117

## 10. WARRANTY AND SUPPORT

---

The Blau Aquaristic 7794010 Multi Dosing Pump comes with a **2-year warranty** from the date of purchase, covering manufacturing defects. Please retain your proof of purchase for warranty claims.

For technical support, troubleshooting assistance beyond this manual, or warranty inquiries, please contact your authorized Blau Aquaristic dealer or the manufacturer's customer service. Contact information can typically be found on the manufacturer's official website or product packaging.