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› [Kamoer](#) /

› Kamoer X1 PRO2 V2 Dosing Pump User Manual

Kamoer X1 Pro2 V2

Kamoer X1 PRO2 V2 Dosing Pump User Manual

Model: X1 Pro2 V2

INTRODUCTION

The Kamoer X1 PRO2 V2 Dosing Pump is an advanced, app-controlled nutrient droplet pump designed for precise and automated dosing in fish tanks and aquariums. This manual provides essential information for the safe and effective setup, operation, and maintenance of your dosing pump, ensuring optimal performance for your aquatic environment.



NEW

X1 PRO 2 V2 MICROPUMP

CONNECT WITH

2.4GHz WiFi

BT



Image: The Kamoer X1 PRO2 V2 Dosing Pump shown with its packaging and a smartphone displaying the control application. This illustrates the product's compact design and app-controlled functionality.

SAFETY INFORMATION

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

- Ensure the power adapter and pump are kept away from water to prevent electrical hazards.
- Do not operate the pump if the power cord or plug is damaged.
- Always unplug the device before performing any maintenance or cleaning.
- This device is intended for indoor use only.
- Keep out of reach of children and pets.
- Use only the provided power adapter.

PACKAGE CONTENTS

Verify that all items are present in the package:

- Kamoer X1 PRO2 V2 Dosing Pump
- Power Adapter
- Dosing Tubing (approx. 2 meters)
- User Manual (this document)

PRODUCT OVERVIEW AND COMPONENTS

Familiarize yourself with the various parts of your Kamoer X1 PRO2 V2 Dosing Pump:



Image: A detailed view of the Kamoer X1 PRO2 V2 Dosing Pump with key components numbered for identification.

1. **Kamoer Logo / Indicator Light:** Displays power and connection status.
2. **Status Indicator:** Provides visual feedback on pump operation and errors.
3. **Dosing Tube Outlets:** Connect to the aquarium for nutrient delivery.
4. **Reset Button:** Used for factory reset or network configuration.

5. **Peristaltic Pump Head:** The core mechanism for precise liquid transfer.
6. **Mounting Holes:** Located on the back for secure installation.
7. **DC 12V IN Power Port:** Connects to the power adapter.
8. **DC 12V OUT Port:** For connecting compatible Kamoer accessories or daisy-chaining.



Image: The Kamoer X1 PRO2 V2 Dosing Pump is shown being held in a hand, emphasizing its compact and portable design.

SETUP

1. Physical Installation

- **Placement:** Position the dosing pump on a stable, dry surface near your aquarium. Ensure it is above the water level to prevent back-siphoning.
- **Tubing Connection:** Connect the provided dosing tubing to the inlet and outlet ports of the pump. The inlet tube should go into your nutrient solution container, and the outlet tube should be securely placed in your aquarium or sump.



Image: A side view of the dosing pump, illustrating the proper connection points for the power cable and the dosing tubes.

2. Power Connection

Connect the power adapter to the DC 12V IN port on the back of the pump, then plug the adapter into a suitable power outlet. The indicator light should illuminate.

3. App Download and Connection

- Download the "Kamoer Remote" application from your smartphone's app store (available for Android and iPhone).
- Open the app and follow the on-screen instructions to add your new device. The pump supports connection via 2.4GHz WiFi and Bluetooth.

- Ensure your smartphone is connected to a 2.4GHz Wi-Fi network during the initial setup process.

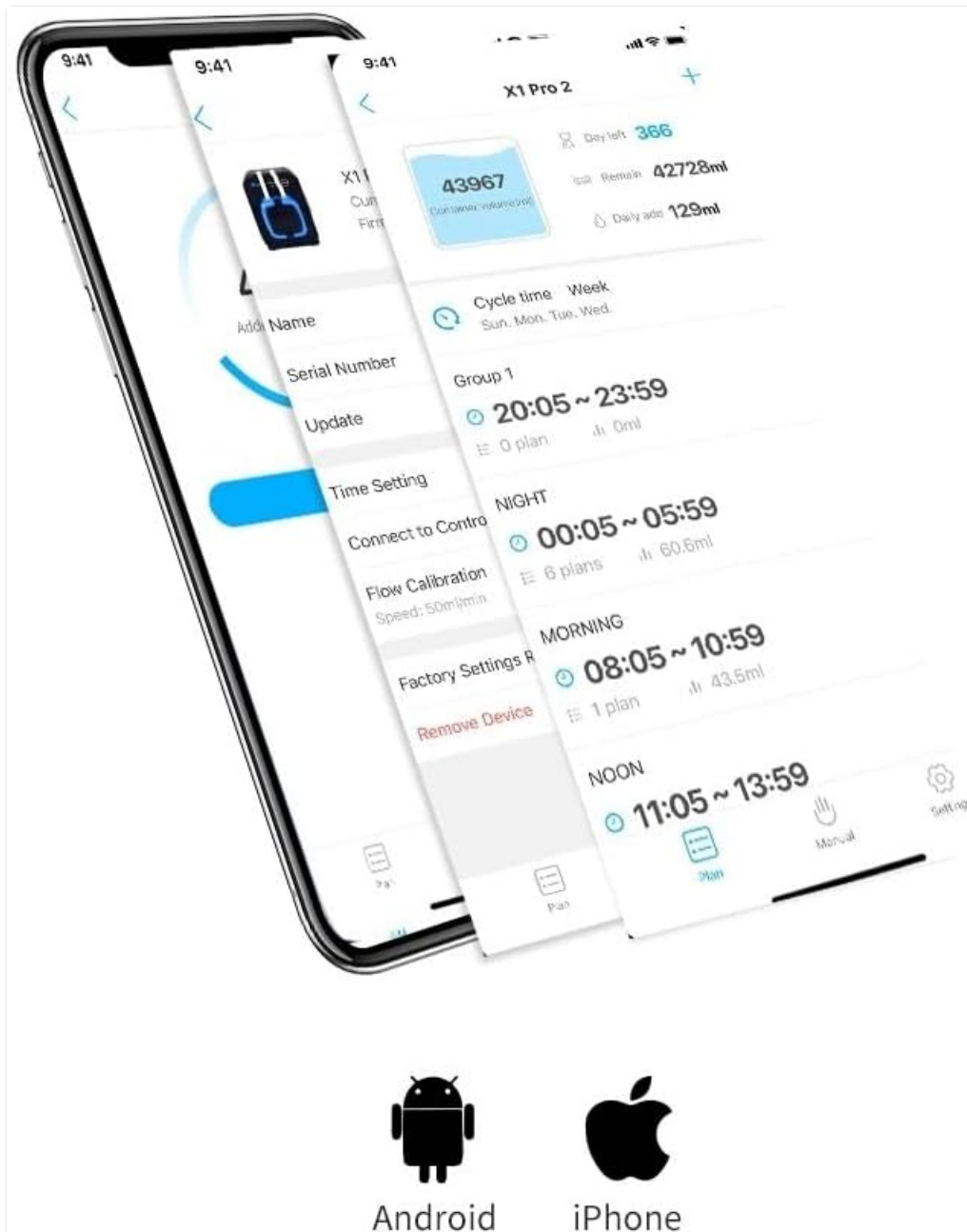


Image: A smartphone displaying the Kamoer app interface, which allows users to configure and manage dosing schedules for the pump.

OPERATING INSTRUCTIONS

1. Initial Calibration

For accurate dosing, it is recommended to calibrate the pump's flow rate. Access the calibration function within the Kamoer app. Follow the prompts to measure and adjust the actual dispensed volume against the target volume.

2. Setting Dosing Schedules

- In the Kamoer app, navigate to the 'Plan' or 'Schedule' section for your X1 PRO2 V2 pump.
- Create new dosing tasks by specifying the start time, end time, total volume to be dosed, and frequency (e.g., daily, specific days of the week).
- The app allows for multiple dosing events throughout the day, providing flexibility for various nutrient regimens.



Image: The Kamoer X1 PRO2 V2 Dosing Pump is shown alongside a smartphone, illustrating how the app's interface is used to program and manage dosing schedules.

3. Manual Dosing

For immediate or one-time dosing, use the 'Manual' control option within the app. You can specify the volume to be dosed and initiate the process instantly.

MAINTENANCE

1. Cleaning the Pump Head

Periodically inspect the peristaltic pump head for any residue or buildup from the dosed solutions. If necessary, disconnect the pump from power and carefully clean the rollers and tubing path with a soft, damp cloth. Avoid using harsh chemicals.

2. Tubing Replacement

The dosing tubing inside the pump head is a wear-and-tear component. If you notice reduced flow, inconsistent dosing, or visible wear on the tubing, it should be replaced. Refer to the Kamoer website or your retailer for compatible replacement

tubing and instructions.

TROUBLESHOOTING

- **Pump not turning on:** Ensure the power adapter is securely connected to both the pump and a working power outlet. Check the power indicator light.
- **Inaccurate or no dosing:**
 - Verify that the inlet tubing is submerged in the solution and not blocked.
 - Check for air bubbles in the tubing.
 - Recalibrate the pump's flow rate via the app.
 - Inspect the peristaltic tubing for wear or damage.
- **App connection issues (WiFi/Bluetooth):**
 - Ensure your smartphone is connected to a 2.4GHz Wi-Fi network.
 - Restart the Kamoer app.
 - Press and hold the Reset button on the pump to re-enter pairing mode.
 - Ensure the pump is within range of your Wi-Fi router or smartphone (for Bluetooth).

SPECIFICATIONS



X1 PRO 2



Image: The Kamoer X1 PRO2 V2 Dosing Pump with its physical dimensions clearly marked.

Brand	Kamoer (Meki Acua)
Model Number	X1 Pro2 V2
Color	Black
Material	Stainless Steel
Power Source	Corded Electric (DC 12V)

Connectivity	2.4GHz WiFi, Bluetooth
Dimensions (Approx.)	83mm (Height) x 95mm (Depth) x 60mm (Width)

WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please contact the retailer where you purchased the Kamoer X1 PRO2 V2 Dosing Pump or refer to the official Kamoer website. Please have your model number (X1 Pro2 V2) and proof of purchase ready when contacting support.