

Jecod SCP-70

Jebao Jecod SCP-70 Crossflow Wave Maker Aquarium Instruction Manual

Model: SCP-70

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Jebao Jecod SCP-70 Crossflow Wave Maker. Please read this manual thoroughly before use to ensure proper function and safety.

The SCP-70 Crossflow Wave Maker is designed to create natural-like water movement within your aquarium, promoting a healthier environment for aquatic life by eliminating dead spots and distributing flow evenly.

2. SAFETY INSTRUCTIONS

- Always disconnect power to the unit before performing any maintenance or installation.
- This device is designed for indoor aquarium use only. Do not use it for any other purpose.
- Ensure your hands are dry when handling the power plug and controller.
- Do not operate the pump if the power cord or plug is damaged.
- Keep the power adapter and controller away from water.
- Ensure the pump is fully submerged in water during operation to prevent overheating.
- Do not attempt to disassemble or repair the unit yourself. Contact qualified personnel for service.

3. PACKAGE CONTENTS

Please check the package to ensure all components are present:

- Jebao Jecod SCP-70 Crossflow Wave Maker Pump

- Controller Unit
- Power Adapter
- Mounting Bracket (Magnetic)



Image 1: Complete package contents including the SCP-70 pump, controller, and power adapter.

4. PRODUCT OVERVIEW

The SCP-70 Crossflow Wave Maker consists of a submersible pump unit and an external controller. The pump generates a wide, gentle flow pattern across the entire aquarium, mimicking natural ocean currents.

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Cross WaveMaker

Image 2: The SCP-70 Crossflow Wave Maker pump unit.



Image 3: The SCP-70 controller unit with various settings.

5. SETUP AND INSTALLATION

1. **Choose Placement:** Select a location on the aquarium glass where the wave maker can generate optimal flow without disturbing substrate or decorations excessively. Ensure the pump is fully submerged.
2. **Attach Mounting Bracket:** Position the pump unit inside the aquarium and align the external magnetic bracket on the outside glass. The magnets will secure the pump in place. Ensure the pump is horizontal for proper crossflow.



Image 4: The SCP-70 pump attached to its magnetic mounting bracket.

3. **Connect Controller:** Connect the pump's cable to the designated port on the controller unit.
4. **Connect Power Adapter:** Plug the power adapter into the controller, then plug the adapter into a suitable electrical outlet.
5. **Secure Cables:** Arrange all cables neatly and securely, ensuring they do not create a tripping hazard and are protected from water splashes. Create a drip loop for all power cords.

6. OPERATING INSTRUCTIONS

The SCP-70 controller allows for various flow patterns and intensity adjustments.

6.1 Controller Functions

- **Power Button:** Turns the unit on or off.
- **Mode Button:** Cycles through different wave patterns and flow modes (e.g., W1, W2, Else, H, C).
- **Speed/Flow Knob:** Adjusts the intensity or speed of the pump.
- **Feed Mode Button:** Initiates a temporary pause in operation for feeding, typically 10 minutes. The pump will resume automatically.
- **Lock Button:** Locks the current settings to prevent accidental changes.
- **Light Sensor:** (If present) Automatically reduces flow at night.

6.2 Flow Modes Explained

- **W1 (Wave Mode):** Creates a wave effect. Adjust the knob to change wave intensity.
- **W2 (Sine Wave Mode):** Generates a smoother, more consistent sine wave.
- **Else (Random Flow Mode):** Produces a random, irregular flow pattern, simulating natural reef conditions.

- **H (Constant Flow Mode):** Provides a steady, continuous flow at the set speed.
- **C (Feeding Mode):** Pauses the pump for a set duration (e.g., 10 minutes) for feeding.

Experiment with different modes and speed settings to find the optimal flow for your aquarium inhabitants and setup. Observe your fish and corals to ensure they are not stressed by excessive flow.

7. MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your wave maker.

1. **Disconnect Power:** Always unplug the unit from the power outlet before any cleaning or maintenance.
2. **Remove Pump:** Carefully detach the pump from the aquarium glass.
3. **Disassemble:** Gently twist and pull apart the pump housing to access the impeller and motor components.
4. **Clean Components:** Rinse all parts under clean water. Use a soft brush or cotton swab to remove any algae, detritus, or calcium buildup from the impeller, impeller shaft, and pump housing. For stubborn buildup, soak parts in a diluted vinegar solution for a few hours, then scrub clean.
5. **Inspect:** Check the impeller for any signs of wear or damage. Ensure the ceramic shaft (if applicable) is intact.
6. **Reassemble:** Carefully reassemble the pump, ensuring all parts fit snugly.
7. **Reinstall:** Mount the pump back in the aquarium and reconnect power.

Recommended cleaning frequency: Every 2-4 weeks, depending on aquarium conditions and buildup.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Pump not turning on.	No power; loose connection; faulty adapter/controller.	Check power outlet; ensure all connections are secure; test with another outlet; contact support if adapter/controller is suspected faulty.
Weak or inconsistent flow.	Impeller clogged with debris/algae; calcium buildup; incorrect mode/speed setting.	Disconnect power and clean the impeller and pump housing thoroughly; adjust speed/mode settings on the controller.
Pump making unusual noise.	Impeller obstructed; worn impeller; pump not fully submerged.	Disconnect power and clean the impeller; ensure pump is fully submerged; inspect impeller for damage and replace if necessary.
Controller not responding.	Power issue; controller malfunction.	Check power connection; unplug and replug the controller; contact support if issue persists.

9. SPECIFICATIONS

- **Model:** SCP-70
- **Manufacturer:** JEMBAO INC
- **Power:** DC 18W (Input: 100V-240V, 50/60Hz)

- **Flow Rate:** Approximately 925 to 1850 GPH (Cross Flow for Whole Tank)
- **Dimensions:** 8.5" x 2.0" x 1.2" (Pump Unit)
- **Material:** Plastic
- **Style:** Submersible
- **Recommended Tank Length:** Less than 28"

10. WARRANTY AND SUPPORT

For warranty information or technical support, please contact the retailer or manufacturer directly. Keep your purchase receipt as proof of purchase.

Manufacturer: JEBAO INC

