

## Maxspect MJ-GF4K

# Maxspect Jump Gyre 4K Flow Pump w/Controller User Manual

Model: MJ-GF4K

## INTRODUCTION

The Maxspect Jump Gyre 4K Flow Pump with Controller is designed to create natural, wave-like water movement in your aquarium. This manual provides detailed instructions for the safe and efficient operation, setup, and maintenance of your Gyre 4K pump system. Please read this manual thoroughly before installation and use.

## SAFETY INFORMATION

- Always disconnect power to the pump and controller before performing any maintenance or cleaning.
- Ensure your hands are dry when handling electrical components.
- Do not operate the pump out of water. Dry running can cause damage.
- This product is designed for indoor aquarium use only.
- Keep out of reach of children.
- Inspect the power cord and connections regularly for any signs of damage. Do not use if damaged.

## PACKAGE CONTENTS

Verify that all components are present in the package:

- Maxspect Jump Gyre 4K Flow Pump
- Gyre 4K Controller
- Power Supply Unit
- Magnetic Mount
- User Manual (this document)

## PRODUCT OVERVIEW

The Maxspect Jump Gyre 4K Flow Pump consists of the main pump unit and a separate controller. The pump unit features a unique cross-flow design to generate broad, laminar flow, while the controller allows for precise adjustment of flow patterns and intensity.



Figure 1: Maxspect Jump Gyre 4K Flow Pump. This image displays the main pump unit, characterized by its black cylindrical body with visible orange internal impellers, and the attached magnetic mounting bracket.

## Key Components:

- **Pump Unit:** Houses the motor and impellers responsible for water movement.
- **Magnetic Mount:** Secures the pump to the aquarium glass, allowing for easy positioning.
- **Controller:** External unit with buttons and a display for programming and adjusting pump settings.
- **Power Supply:** Converts AC power to DC power for safe operation.

## SETUP

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### 1. Mounting the Pump:

Select a suitable location in your aquarium for optimal water flow. The pump should be fully submerged. Place the pump unit inside the aquarium and align the external magnetic mount on the outside of the glass, directly opposite the internal magnet. Ensure a secure grip.

### 2. Connecting the Controller:

Connect the cable from the pump unit to the designated port on the Gyre 4K Controller. Ensure the connection is firm.

### 3. Connecting Power:

Connect the power supply unit to the controller, then plug the power supply into a GFCI (Ground Fault Circuit Interrupter) protected electrical outlet. The controller display should illuminate.

### 4. Initial Test:

Once powered, the pump should briefly start. Observe for any unusual noises or vibrations. If issues arise, refer to the Troubleshooting section.

## OPERATING INSTRUCTIONS

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The Gyre 4K Controller allows for various flow patterns and intensity adjustments. Familiarize yourself with the controller's buttons and display.

Controller Functions:

- **Mode Button:** Cycles through different flow modes (e.g., Constant, Pulse, Random, Gyre).
- **+/- Buttons:** Adjust flow intensity or parameter values within a selected mode.
- **Feed Mode Button:** Temporarily pauses the pump for feeding, typically for 10 minutes. Press again to resume normal operation.
- **Lock Button:** Locks the current settings to prevent accidental changes.

Programming Flow Patterns:

Refer to the controller's specific display indicators for detailed programming. Generally, you will select a mode, then use the +/- buttons to fine-tune its characteristics (e.g., pulse frequency, gyre direction changes).  
*Note:* For advanced programming and specific mode details, consult the comprehensive digital manual available on the Maxspect website, as controller interfaces can vary slightly between firmware versions.

MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your Maxspect Gyre 4K pump.

1. Weekly Check:

Visually inspect the pump for any debris accumulation on the impellers or grates. Ensure the power cord is not kinked or damaged.

2. Monthly Cleaning:

- Step 1:** Disconnect the pump from power. Remove the pump unit from the aquarium.
- Step 2:** Carefully disassemble the pump by twisting and pulling apart the housing components. Remove the impellers and their shafts.
- Step 3:** Soak all disassembled parts (except the motor block) in a solution of white vinegar and water (1:1 ratio) for several hours or overnight to dissolve calcium deposits and algae.
- Step 4:** Use a soft brush or pipe cleaner to gently scrub away any remaining debris from the impellers, shafts, and pump housing. Rinse thoroughly with fresh water.
- Step 5:** Reassemble the pump, ensuring all parts are correctly aligned and securely fitted. Reinstall in the aquarium and reconnect power.

3. Impeller Replacement:

If the pump exhibits persistent noise, reduced flow, or irregular operation after cleaning, the impellers may be worn and require replacement. Contact Maxspect support or an authorized dealer for genuine replacement parts.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Pump not running	No power; loose connection; motor blockage.	Check power outlet and connections. Disconnect power, inspect impellers for obstructions, clean if necessary.
Weak or inconsistent flow	Impellers or housing clogged with algae/calcium; worn impellers.	Perform thorough cleaning as per Maintenance section. If issue persists, consider replacing impellers.

Problem	Possible Cause	Solution
Excessive noise/vibration	Debris in impeller chamber; worn impeller shaft/bearings; improper mounting.	Clean pump thoroughly. Check for proper alignment during reassembly. Ensure magnetic mount is secure. Replace worn parts if needed.
Controller display off/unresponsive	No power to controller; faulty power supply.	Verify power outlet. Check all cable connections. Test power supply if possible.

If you encounter issues not listed here or if solutions do not resolve the problem, please contact Maxspect customer support.

## SPECIFICATIONS

Attribute	Value
Brand	Maxspect
Model Number	MJ-GF4K
Maximum Flow Rate	3962 Gallons Per Minute
Wattage	45 watts
Voltage	220 Volts (AC)
Product Dimensions (L x W x H)	12.25" x 3.5" x 1.72"
Item Weight	4.6 pounds (2.09 Kilograms)
Material	Plastic
Power Source	DC Powered, Mains Powered

## WARRANTY AND SUPPORT

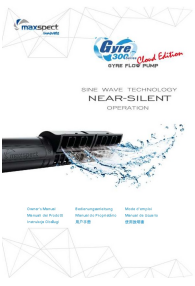

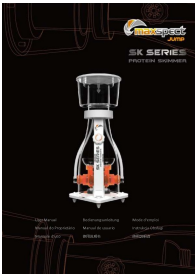
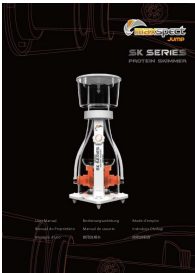
Maxspect products are manufactured to high-quality standards. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Maxspect website. Warranty coverage typically applies to manufacturing defects and may vary by region.

For technical support, troubleshooting assistance, or to inquire about replacement parts, please contact Maxspect customer service through their official website or your authorized dealer. When contacting support, please have your product model number (MJ-GF4K) and purchase date available.

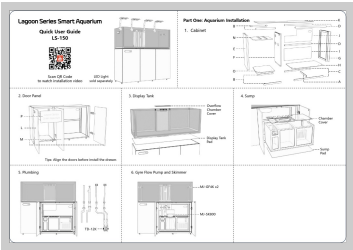
*Disclaimer:* This manual provides general guidance. Maxspect reserves the right to make changes to product specifications and features without prior notice. Always refer to the latest information available from the manufacturer.



Related Documents

	<p><a href="#">Maxspect Gyre 300 Series Cloud Edition Gyre Flow Pump User Manual</a></p> <p>Comprehensive user manual for the Maxspect Gyre 300 Series Cloud Edition Gyre Flow Pump, detailing installation, operation, maintenance, safety precautions, and warranty information.</p>
	<p><a href="#">Maxspect Gyre 300CE Series Cloud Edition: Near-Silent Operation, Safety, and Warranty Guide</a></p> <p>A comprehensive user manual for the Maxspect Gyre 300CE Series Cloud Edition flow pump, detailing its near-silent operation, sine wave technology, package contents, installation, operation, maintenance, safety precautions, and limited warranty.</p>
	<p><a href="#">Maxspect Jump Series Protein Skimmer User Manual</a></p> <p>A comprehensive guide for the Maxspect Jump Series Protein Skimmer, detailing setup, operation, maintenance, safety precautions, and spare parts for aquarium enthusiasts.</p>
	<p><a href="#">Maxspect Jump Series Protein Skimmer User Manual</a></p> <p>Comprehensive user manual for the Maxspect Jump Series Protein Skimmer, covering setup, operation, maintenance, and warranty. Features include dual water inlets, dual needle wheels, and an overflow sensor.</p>

Documents - Maxspect – MJ-GF4K

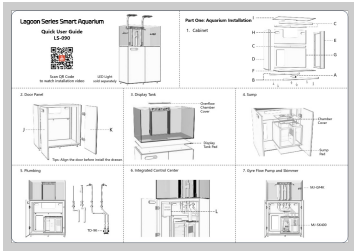


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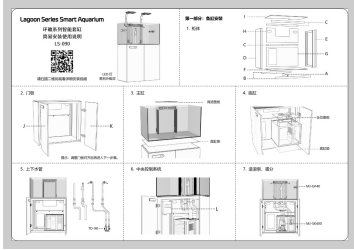
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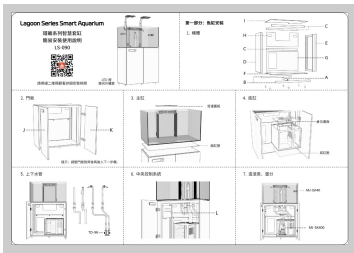
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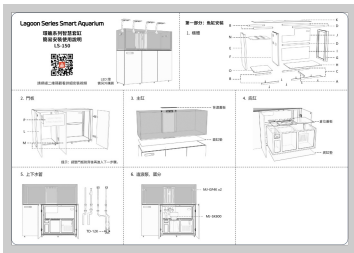
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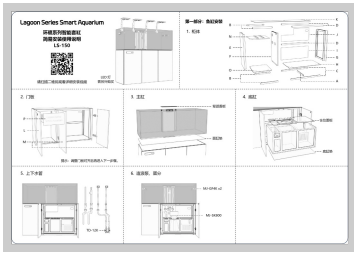
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