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> hygger Aquarium Gyre Wave Maker Fish Tank Cross-Flow Pump HG136-25W Instruction Manual

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Brand: hygger | Model: HG136-25W

INTRODUCTION

The hygger Aquarium Gyre Wave Maker is designed to create dynamic water movement within your aquarium, mimicking natural ocean currents. This device is suitable for both freshwater and saltwater environments, promoting a healthier habitat for your aquatic life.

Key Features:

- **Five Wave Modes:** Offers Pulse, Sine, Constant, Random, and Gyre modes for customized flow patterns.
- **Adjustable Control:** Intensity can be set from 30-100% in 1% intervals, with adjustable frequency.
- **Smart Controller:** Features a screen displaying patterns, speeds, and frequencies, plus feeding (10 min pause) and night functions (auto-reduces speed in dim light).
- **Safe Low Voltage:** Operates on DC 24V, 25W, suitable for 75-250 gallon aquariums up to 39 inches in length.
- **Magnetic Mounting:** Strong magnet bracket for secure installation on tanks up to 15mm (0.59in) thick.
- **Wireless Linkage:** Connects and synchronizes multiple wave pumps for coordinated flow.
- **Detachable Design:** Dual-pump head design for easy maintenance and cleaning.

SETUP AND INSTALLATION

Proper installation ensures optimal performance and longevity of your wave maker. Follow these steps carefully:

1. **Mounting:** The wave maker features a magnetic bracket for easy and secure attachment to your aquarium glass. Ensure the glass thickness is less than 15mm (0.59 inches). The EVA buffer pad helps reduce vibration.

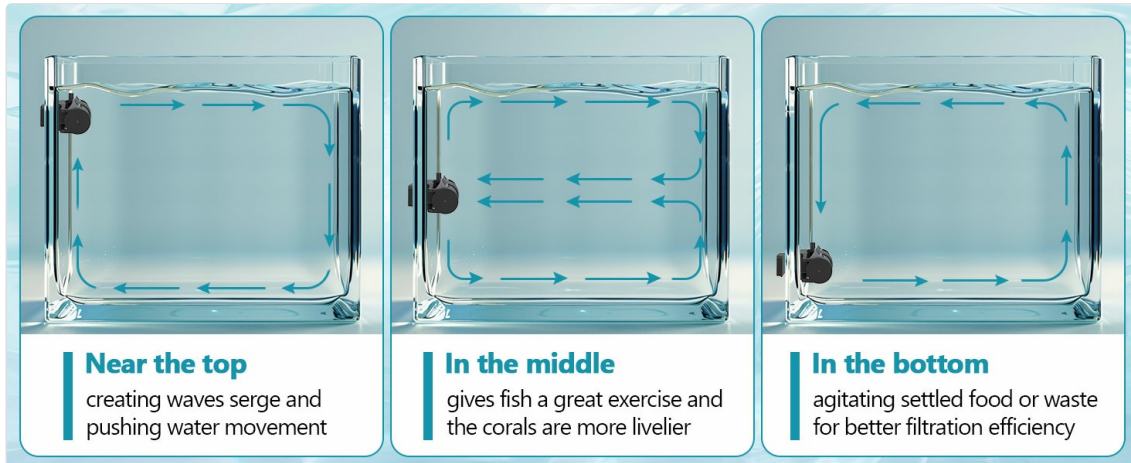


Image: The magnetic bracket allows for easy and secure mounting of the wave maker to the aquarium glass, accommodating glass thickness up to 15mm.

2. **Placement:** The pump can be installed horizontally or vertically to achieve different water movement patterns. Horizontal installation promotes wide area water movement, while vertical installation can create varied flow.



Image: Diagrams illustrating horizontal and vertical installation methods for the wave maker, showing how each orientation influences water flow patterns within the aquarium.

3. **Component Assembly:** The dual-pump head design is detachable for maintenance. Ensure all components (holder, magnetic base, impellers, and pump heads) are securely assembled before placing in the water.

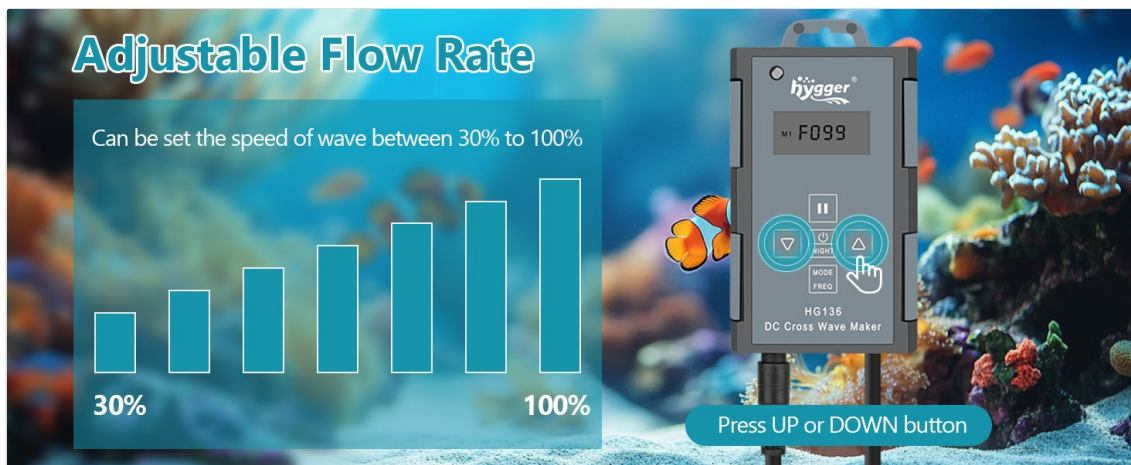


Image: An exploded view of the wave maker, showing its detachable powerhead, holder, and magnetic base for

easy assembly and cleaning.

4. **Power Connection:** Connect all wires securely before plugging the power supply into an outlet. The input is 100-240V, and the output is DC 24V. The controller is non-waterproof and should be kept dry.



Image: A diagram illustrating the power connection from the 100-240V input to the DC 24V output, showing the controller and the wave maker in the aquarium.

Installation Video:

Video: This video demonstrates the unboxing and installation process of the hygger cross-flow wave maker, showing how to set it up in an aquarium.

OPERATING INSTRUCTIONS

The multi-functional integrated controller allows for precise customization of your wave maker's operation.

Multi Functional Integrated Controller

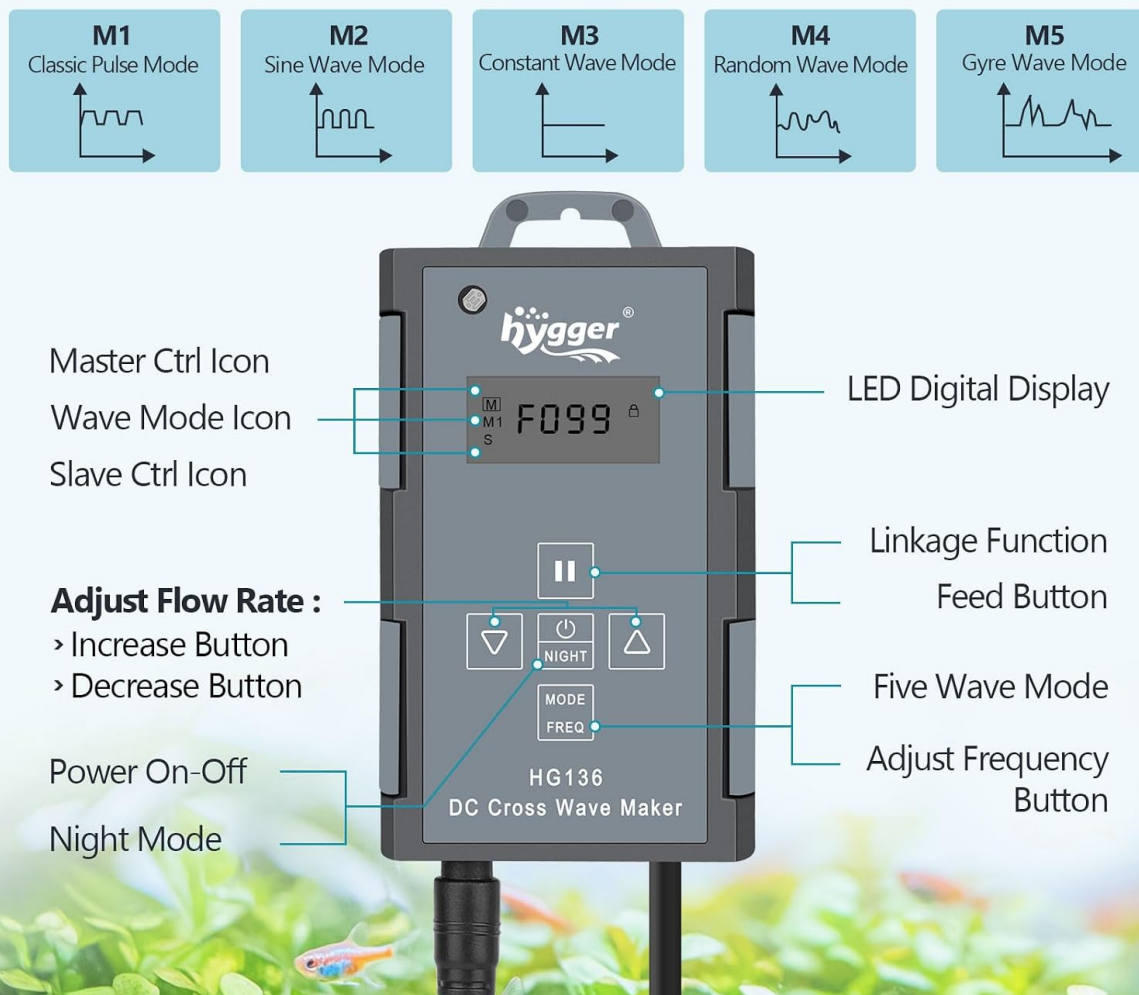


Image: A detailed view of the hygger controller, highlighting its LED digital display, control buttons for mode, frequency, night mode, feed, and linkage function.

1. **Power On/Off:** Briefly press the power button to switch the pump on/off. Long press for 3 seconds to switch to night mode. The photoreceptor hole detects dark environments, automatically switching to the lowest gear of constant mode.
2. **Adjust Flow Rate:** Press the UP or DOWN buttons to adjust the flow rate for wave modes. The intensity can be set from 30% to 100% in 1% intervals.



Image: A visual representation of the adjustable flow rate from 30% to 100%, controlled by the UP and DOWN buttons on the controller.

3. **Adjust Frequency:** Press and hold the MODE button, then use the UP or DOWN buttons to set the frequency of the wave.

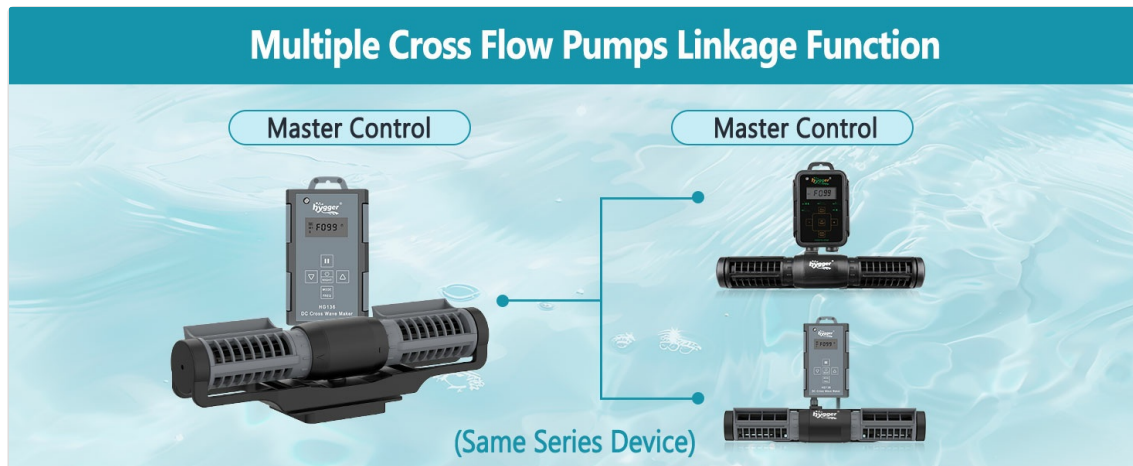


Image: A graphic showing the adjustable wave frequency from 5 to 100, with visual examples of different wave patterns.

4. **Wave Modes (M1-M5):** Press the MODE button to switch between the five wave modes:
- **M1: Classic Wave Pulse Mode** - One or several pumps operate simultaneously, increasing or decreasing flow rate from F30 to F100.
 - **M2: Sine Wave Mode** - One or several pumps operate simultaneously, flow rate varies between 30% and 100% like a sine curve.
 - **M3: Constant Wave Mode** - One or several pumps operate simultaneously, flow rate remains constant.
 - **M4: Random Wave Mode** - One or several pumps operate simultaneously, power of cross-flow pump varies randomly.
 - **M5: Classic Wave Cross-flow Mode** - One or several pumps operate simultaneously, flow rate from F30 to F100.

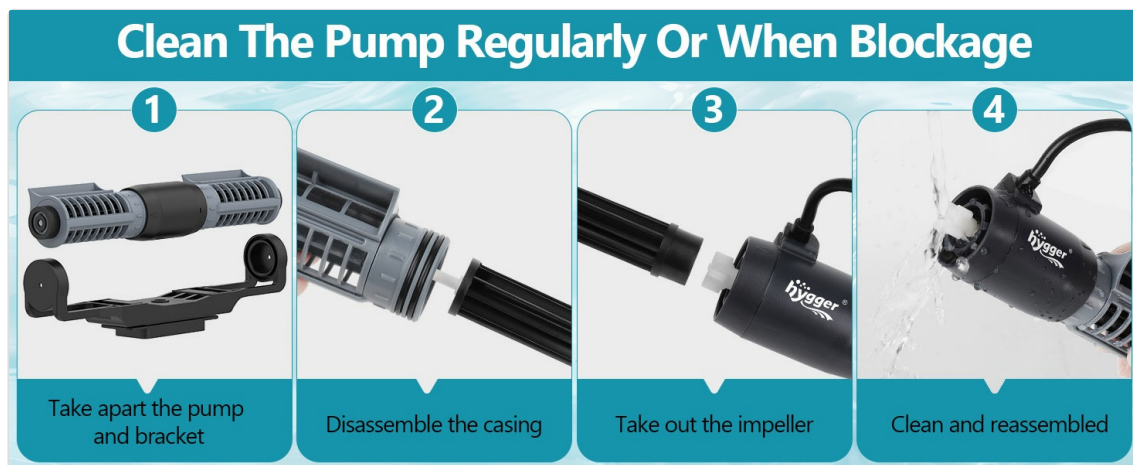


Image: Visual representations of the five distinct wave modes (M1-M5) offered by the controller, allowing for diverse water movement patterns.

5. **Linkage Function:** The wireless linkage technology allows you to connect and synchronously control multiple wave pumps. Set one controller as 'Master' (M) and others as 'Slave' (S) to manage them from a single unit.

Multiple Cross Flow Pumps Linkage Function

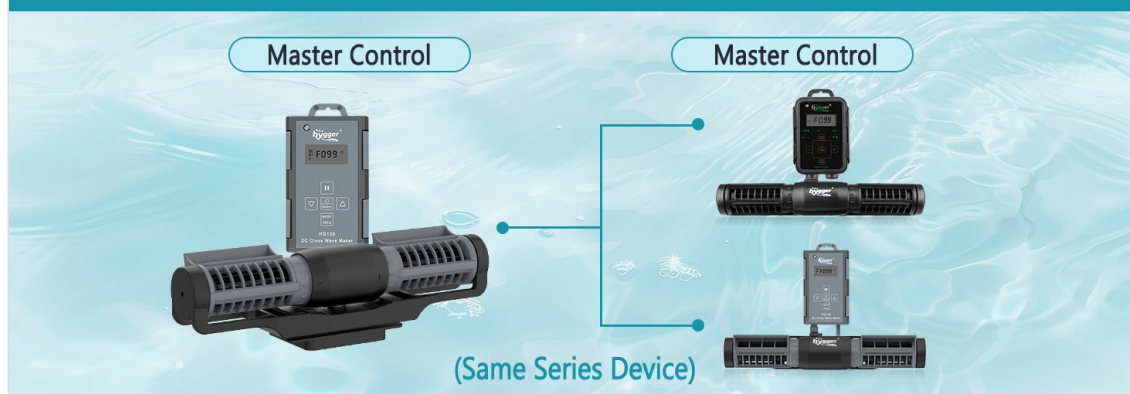


Image: A diagram showing how multiple cross-flow pumps can be linked wirelessly, with one master control unit synchronizing the operation of several slave units.

6. **Feeding Mode:** Press the PAUSE button to activate feeding mode. The pump will stop automatically for 10 minutes, then resume normal operation.
7. **Night Mode:** The controller's photoreceptor detects dark environments and automatically reduces the flow rate to a lower setting for night operation.

MAINTENANCE

Regular maintenance is crucial for the optimal performance and longevity of your hygger wave maker.

1. **Cleaning the Pump:** Clean the pump regularly to ensure it remains in optimum working order. Remove deposits by turning the basket counter-clockwise to open and clockwise to lock.



Image: A four-step visual guide on how to clean the wave maker: disassemble the pump and bracket, disassemble the casing, take out the impeller, and then clean and reassemble.

2. **Controller Care:** If water splashes onto the controller, wipe it off immediately with a dry cloth to prevent damage.
3. **Impeller Cleaning:** Use a soft cloth to clean the blades and remove any dirt deposits in the pump.

TROUBLESHOOTING

If you encounter any issues with your wave maker, refer to the following error codes and solutions:



Image: The controller display showing various error codes (Er01, Er02, Er04, Er05) with corresponding visual cues of fish in distress, indicating potential issues.

Error Code	Fault	Solution
Er01	The controller is over current	Abnormal operating current; check whether the pump is short-circuited or the controller is damaged.
Er02	The controller is over temperature	Ensure that the controller is not exposed to sunlight or high temperatures.
Er04	The pump is clogged	The impeller is malfunctioning. Clean the pump and impeller and verify that the impeller is clean and in good working order.
Er05	Controller is over voltage / Controller is under voltage	Check the input power supply voltage.

SPECIFICATIONS

Detailed technical specifications for the hygger Aquarium Gyre Wave Maker HG136-25W:

Detachable Powerhead, Maintain & Cleaning Easily



DC 24V



For Saltwater



For Freshwater



For Coral

Dual-Side Wave Pumps, Strong Power Circulation

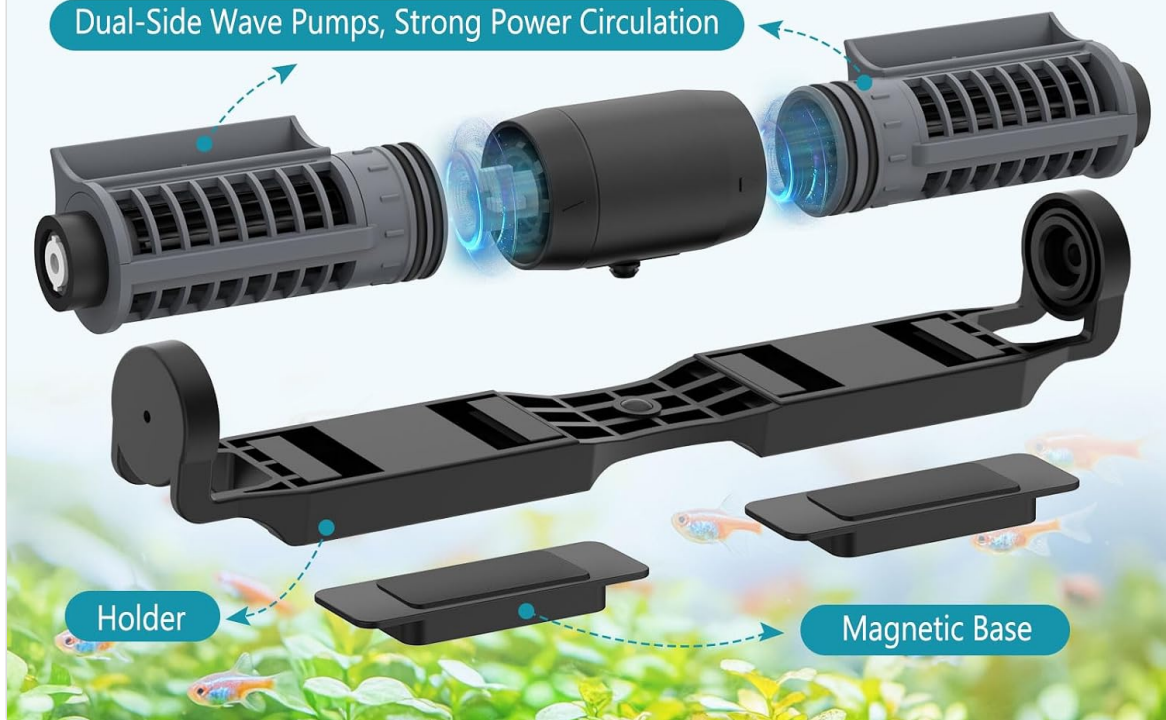


Image: A visual comparison of the 18W and 25W models, showing dimensions and a table of specifications.

Attribute	Value
Brand	hygger
Model Number	HG136
Power	25 Watt
Max Flow Rate	2380 GPH (9000 L/H)
Suitable Tank Size	≤100CM (265 Gallons)
Recommended Glass Thickness	≤0.59" (15MM)
Input Voltage	100-240V / 50/60Hz
Output Voltage	DC 24V
Product Dimensions	11"L x 1.37"W x 2.75"H
Material	Plastic

WARRANTY AND SUPPORT

This hygger product comes with a **1-Year Warranty** from the date of purchase, covering manufacturing defects. Please retain your proof of purchase for warranty claims.

For technical support, troubleshooting assistance, or warranty inquiries, please contact hygger customer service through the retailer where you purchased the product or visit the official hygger website.