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## hygger 951

# Instruction Manual for hygger Mini Wave Maker Aquarium Magnetic DC Powerhead

Brand: hygger | Model: 951

## PRODUCT OVERVIEW

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The hygger Mini Wave Maker is a smart, controllable powerhead designed to create natural ocean-like currents in saltwater and freshwater aquariums. It features an LED display controller for customizable flow modes, power, and frequency, helping to improve water quality and eliminate dead spots in tanks from 5 to 30 gallons.



Image: Hygger Mini Wave Maker with Eco DC Controller.

## PRODUCT COMPONENTS

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The hygger Mini Wave Maker package includes the following components:

- **Magnet Powerhead:** The submersible pump unit responsible for water circulation.
- **LED Display Controller:** The external control unit for setting modes, power, and frequency.
- **DC Adapter:** Power supply for the wave maker.



Image: Individual components of the Hygger Mini Wave Maker system.

## SETUP INSTRUCTIONS

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1. **Mount the Powerhead:** Place the magnet powerhead inside your aquarium. Use the strong magnetic suction cup base to position it securely on the tank wall. Ensure the powerhead is fully submerged.

# MINI POWERHEAD WITH CONTROLLER

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Image: Magnetic suction cup base for secure placement within the aquarium.

2. **Connect to Controller:** Connect the powerhead cable to the designated port on the Eco DC Controller. Ensure the connection is secure.
3. **Connect Power Adapter:** Plug the DC adapter into the controller, then plug the adapter into a power outlet. The LED display on the controller will light up.

For a visual guide on setup, please refer to the official product video below:

Your browser does not support the video tag.

Video: Official setup and programming guide for the hygger Programmable Magnet Powerhead.

## OPERATING INSTRUCTIONS

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The Eco DC Controller allows for precise control over the wave maker's operation. The display shows four digital numbers indicating different settings.

# CONTROL PANEL

## Power

- 40%
- 60%
- 80%
- 100%

## Time Range

- dawn 05:30-07:30
- sunrise 07:30-09:00
- daylight 09:00-14:00
- sunset 14:00-16:30
- night 16:30-05:30



Time/mode setting select



Switch from first to fourth digital number



## Wave Mode

- Classic wave
- Nutrition transmission wave
- Constant stream
- Random wave

## Frequency

1. fastest
2. second fast
- ....
8. slowest



Feeding mode auto off 10 minutes



Increase Button

Image: Detailed view of the Eco DC Controller panel.

- **Setting Time and Mode (S Button):** Press the 'S' button to switch into time mode. Use the '+' and 'M' buttons to adjust the real-time clock.
- **Adjusting Power (Second Digital Number):** The second digital number indicates the power level. You can set it from 40%, 60%, 80%, and 100% using the '+' button after selecting the power setting.
- **Selecting Wave Mode (Third Digital Number):** The third digital number indicates the wave mode. Options include Classic Wave, Nutrition Transmission Wave, Constant Stream, and Random Wave. Use the '+' button to cycle through modes.
- **Adjusting Frequency (Fourth Digital Number):** The fourth digital number indicates the frequency, from fastest (1) to slowest (8). Use the '+' button to adjust.
- **Feeding Mode (F Button):** Press the 'F' button to activate feeding mode. The powerhead will automatically shut off for 10 minutes to allow fish to feed undisturbed.

The wave maker is designed for quiet operation, ensuring minimal disturbance to your aquatic environment.

# MAGNETIC SUCTION CUP

Strong magnet for easy installation and detach



Image: The wave maker operating with minimal noise.

## MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your wave maker. The unit is designed for easy disassembly for cleaning.

- **Impeller Cleaning:** Periodically remove the powerhead from the tank and disassemble the cage to access the impeller. Clean any debris or algae buildup from the impeller and its housing. The 360-degree motor fan design helps with water movement and prevents dead spots.

# SUPER QUIET

 Less than 20db



## 360 Degree Motor Fan

- Moving water up and down
- Coral reef sways back and forth naturally with water current

Image: Internal view of the wave maker's motor and impeller for cleaning.

- **Magnetic Mount:** Clean the magnetic suction cup base and the corresponding magnet on the outside of the tank to ensure a strong, secure hold.

## TROUBLESHOOTING

If you encounter issues with your hygger Mini Wave Maker, consider the following common problems and solutions:

- **Error Code 7:** This error typically indicates an issue with the impeller being obstructed or not spinning freely.
  - Unplug the unit.
  - Remove the powerhead from the tank and carefully disassemble the impeller area.
  - Check for any debris, sand, or foreign objects that might be blocking the impeller.
  - Clean the impeller and its shaft thoroughly.
  - Reassemble and restart the unit.



Image: Controller displaying an "Err 7" message.

- **Reduced Flow:** If the water flow is weaker than expected, ensure the impeller is clean and free of obstructions. Also, check that the power level setting on the controller is appropriate for your tank size.
- **Unusual Noise:** Excessive noise can be caused by debris in the impeller or improper seating of the powerhead. Clean the impeller and ensure the magnetic mount is firmly attached to the tank glass.

## SPECIFICATIONS

Feature	Specification
Brand	hygger
Model	951
Color	Black
Style	Submersible
Product Dimensions	1.8"L x 1.8"W x 2"H
Power Source	Corded Electric
Item Weight	9.88 ounces
Maximum Flow Rate	1600 GPH (26.67 Gallons Per Minute)
Voltage	12 Volts (DC)
Suitable Tank Thickness	Up to 1/2"
Min Power	3 W
Max Power	14 W

## WARRANTY AND SUPPORT

For warranty information or technical support, please contact hygger customer service. Keep your purchase receipt as proof of purchase.

Visit the official hygger store for more products and support: [hygger Store](#)

