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hygger HG-951

hygger Quiet Magnetic Aquarium Wave Maker Instruction Manual

Model: HG-951

INTRODUCTION

The hygger Quiet Magnetic Aquarium Wave Maker is designed to simulate natural ocean currents within your aquarium, promoting a healthy environment for fish and corals. This device features a digital LED display controller for customizable wave modes, power settings, and time intervals. It is suitable for both saltwater and freshwater aquariums ranging from 3 to 25 gallons.



Image: The hygger wave maker installed in an aquarium, generating water movement.

SAFETY INSTRUCTIONS

- Ensure the wave maker is fully submersible in water before powering on. Running it dry can cause damage.
- Always disconnect power before performing any maintenance, cleaning, or installation.
- Do not operate if the power cord or pump is damaged.
- Keep the controller dry and away from water splashes.
- This product is designed for indoor aquarium use only.

PACKAGE CONTENTS

-
- Wave Pump
 - Digital LED Display Controller
 - Power Adapter
 - Instruction Manual

SETUP

Follow these steps to properly install your hygger Wave Maker:

1. **Mounting the Wave Pump:** The wave pump comes with a magnetic suction base. Place the pump inside the aquarium, ensuring it is fully submerged. Position the external magnet on the outside of the aquarium glass, aligning it with the internal pump. The magnet mount is covered in a rubber sleeve to prevent scratches. The pump can hold on glass up to 4.7 inches thick. It is recommended to place the wave maker 5.9 to 7.9 inches below the water surface.
2. **Connecting the Controller:** Connect the wave pump's cord (6ft) to the designated port on the digital LED display controller.
3. **Connecting the Power Adapter:** Connect the power adapter's cord (5ft) to the power input port on the controller. Plug the power adapter into a suitable electrical outlet (Input: 100-240V, Output: DC 24V).

Installation

For

**3-25
gallon**

glass fish tank

Glass thickness up to 4.7inch



Input Voltage: 100V-240V
Output Voltage: DC 12V
Max Power Watt: 14W
Max Water Flow: 1600GPH

Image: Installation diagram illustrating the wave pump, controller, and power connections.



Ultra quiet



Energy saving



360 degree waves



Strong soft wave



For fresh & salt water



Touch type button



Image: The hygger wave maker and its controller shown in an operational aquarium setup.

OPERATING INSTRUCTIONS

The digital LED display controller allows for precise control over the wave maker's operation.

Controller Overview

- **Digital Display:** Shows current time, wave mode, working watts, and wave speed.
- **Touch Buttons:** S (Set), F (Feed), M (Mode/Shift), + (Increase), - (Decrease).

Setting Local Time

It is crucial to set the local time on the controller for the programmed wave patterns to function correctly.

1. Press the 'S' button to switch into time setting mode. The first digital number will flash.
2. Use the '+' or '-' buttons to adjust the flashing digit (hour).
3. Press the 'M' button to shift to the next digital number (minute). Adjust with '+' or '-' buttons.
4. Repeat for all digits until the correct local time is set.
5. Wait a few seconds for the flashing to stop, or press 'S' again to save the time.

Understanding Time Intervals and Default Settings

The controller divides a day into 5 time intervals, each with a default preset wave pattern:

Period of Day	Time	Default Setting Code	Explanation
Dawn	05:30-07:30	1312	80% working watts, pulse wave, wave making rate 2 (fast)
Sunrise	07:30-09:00	2413	100% working watts, pulse wave, wave making rate 3
Daytime	09:00-14:00	3413	100% working watts, pulse wave, wave making rate 3
Sunset	14:00-16:30	4425	100% working watts, sine wave, wave making rate 5
Night	16:30-05:30	5138	40% working watts, constant speed wave, wave making rate 8 (slowest)



Digital Led Display Controller

4 wave modes: 1-pulse wave, 2-sine wave, 3-constant speed wave, 4-random wave.

8 wave speed: 1-fastest, 8 slowest

4 Working watts: 1-40%, 2-60%, 3-80%, 4-100%

5 periods of a day: 1-Dawn, 2-Sunrise, 3-Daytime, 4-Sunset, 5-Night

→ Feed: pause for 10 minutes

→ "+" and "-" button: choose led digit from 0 to 9

→ Shift: shift from the first to fourth led digit

→ Time /wave mode setting: choose time setting mode or wave setting mode

Period of a day	Time	Factory default setting	Explanation
Dawn	05: 30-07: 30	1312	dawn, 80% working watts, pulse wave, wave making rate 2-fast
Sunrise	07: 30-09: 30	2413	sunrise, 100% working watts, pulse wave, wave making rate 3
Daytime	09: 30-14: 00	3413	daytime, 100% working watts, pulse wave, wave making rate 3
Sunset	14: 00-16: 30	4425	sunset, 100% working watts, sine wave, wave making rate 5
Night	16: 30-05: 30	5138	night, 40% working watts, constant speed wave, wave making rate 8

• Please set the time to your local time firstly, touch the "S" "M" "+" button to set the time.

Image: Detailed view of the controller display and button functions, including default time settings.

Customizing Wave Modes and Settings

You can customize the wave modes, working watts, and wave speeds for each time interval:

1. Press the 'S' button to enter wave setting mode. The display will show a 4-digit code (e.g., 5138).
2. The first digit indicates the time interval (1-5). Use '+' or '-' to select the desired interval.
3. Press 'M' to shift to the second digit, which controls the working watts (1=40%, 2=60%, 3=80%, 4=100%). Adjust with '+' or '-'.
4. Press 'M' again to shift to the third digit, which controls the wave mode (1=Pulse, 2=Sine, 3=Constant Speed, 4=Random). Adjust with '+' or '-'.
5. Press 'M' again to shift to the fourth digit, which controls the wave speed (1=Fastest, 8=Slowest). Adjust with '+' or '-'.
6. Wait a few seconds for the flashing to stop, or press 'S' again to save your custom settings.

Note: When in Random mode (third digit is 4), the second and fourth digits (intensity and wave frequency) cannot be adjusted as they are randomized by the pump.

Feed Mode

Press the 'F' button to activate feed mode. The pump will pause for 10 minutes, allowing fish to feed without strong currents. The pump will automatically resume normal operation after 10 minutes.

Your browser does not support the video tag.

Video: This video demonstrates the setup and basic operation of the hygger LED Display Quiet Magnetic Aquarium Wave Maker, including how to connect the components and navigate the controller settings.

MAINTENANCE

Regular cleaning ensures optimal performance and longevity of your wave maker.

1. **Disassembly:** The wave pump is designed for easy disassembly without tools. Gently twist the plastic guard to remove it. Then, carefully remove the propeller and motor components.
2. **Cleaning:** Rinse all parts under clean water. Use a soft brush to remove any algae, debris, or mineral buildup from the plastic guard, propeller, and motor housing. Ensure the impeller is free of obstructions.
3. **Reassembly:** Once all parts are clean, reassemble them in reverse order. Ensure the propeller is correctly seated and the plastic guard is securely twisted back into place.

- * Take the wave pump apart without tools
- * Easy to clean
- * Long service life



Image: Exploded view of the wave pump showing its detachable parts (plastic guard, propeller, motor, magnet base, outside magnet) for easy cleaning.

TROUBLESHOOTING

If you encounter issues with your wave maker, refer to the following common problems and solutions:

- **Err 7 Code or Stopped Working:**

Reason: Pump ran dry, out of water protection, or debris clogged the impeller.

Solution: Take the impeller out, pry off the fan with a screwdriver, and pull out the post with pliers. Clean around the impeller fan and wash thoroughly. Ensure the pump is submerged at least 20 cm (approximately 7.9 inches) deep before restarting. Do not run the pump dry.

- **Err 6 Code:**

Reason: Loose connection or damaged electric wire.

Solution: Check all wire connections. If the issue persists, contact customer support for possible replacement of pump parts.

Troubleshooting



Err7 code or stopped working

Reason: pump run dry/out of water protection/debris clog up impeller

Solution:

*Please take the impeller out, pry off the fan with a screwdriver and pull out the post with plier, prod around the impeller fan few circles, wash clean and then restart.

*Please place it underwater at least 20 cm deep.

*Please don't make the pump run dry.

Err6 code

Reason: Loose connection or damage electric wire

Solution:

*Please check the wire connection or replace part of the pump

Image: The controller displaying an 'Err 7' code, indicating a common issue with the wave maker.

SPECIFICATIONS

Feature	Detail
Model Number	HG-951
Max Water Flow	1600 GPH
Input Voltage	100-240V
Output Voltage	DC 12V
Working Wattage	6W to 20W
Recommended Tank Size	3-25 Gallons
Max Glass Thickness	4.7 inches
Pump Cord Length	6 ft
Power Cord Length	5 ft
Product Dimensions	1.6"L x 1.6"W x 1.9"H
Item Weight	560 Grams (1.23 Pounds)

WARRANTY AND SUPPORT

hygger provides a 1-year warranty for this aquarium wave pump. If you experience any product problems, please contact the seller directly for assistance.



Image: Hygger customer support information, highlighting the one-year free warranty.