



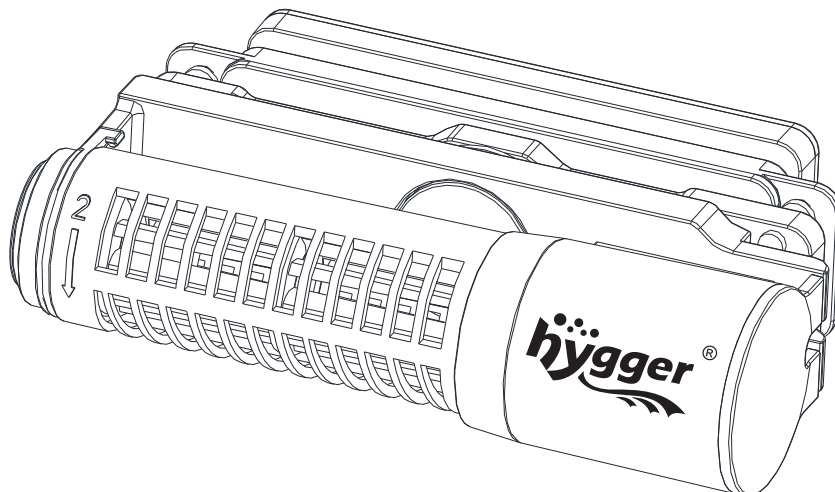
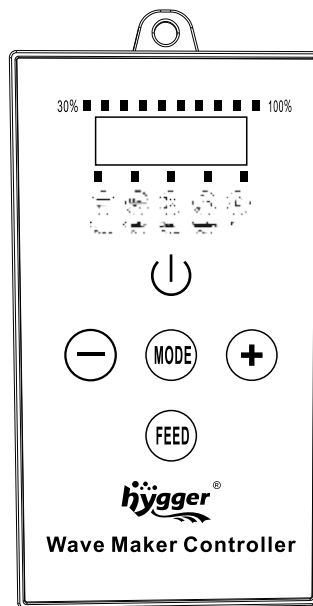
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# HG119 USER MANUAL

## hygger circulation wave maker pump



## **⚠️ WARNING:**

1. For optimal performance, please prevent the pump dry running.
2. Keep the controller in a dry place, protected from splashing water.
3. Take care when assembling the magnet base. Keep it parallel to the pad near the outer wall of your aquarium to avoid damaging the glass.

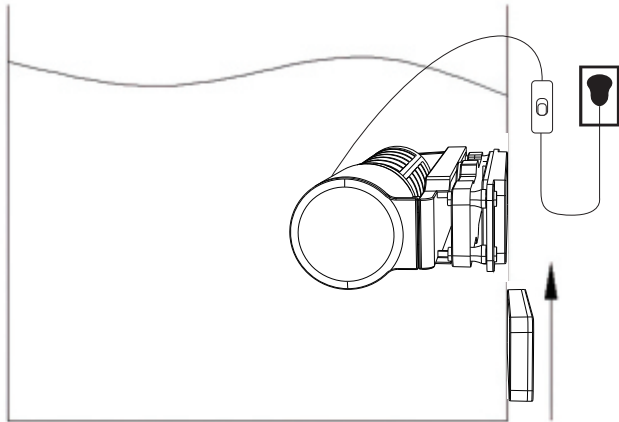


Figure 1

4. Never attempt to disassemble the controller or the adapter without professional guidance.

## **1. INTRODUCTION**

Using the latest technologies, hygger circulation wave pumps are professionally designed to simulate the natural environment and create a natural habitat for your fish and various aquatic organisms in the aquarium or pond. Please read this manual carefully before installing and operating the pump.

## **2. PRODUCT FEATURES**

1. This wave pump is equipped with a low-voltage inverter DC motor, which ensures safety for users and aquatic animals.
2. Wide voltage input (AC100-240V/50-60Hz) is suitable for a variety of mains voltage to avoid voltage fluctuations during wave power generation.
3. Various wave modes (constant wave mode, gradient wave mode, classic wave mode, random wave mode, and feed mode) allow the complex dynamics of the ocean to be brought into the aquarium.
4. Due to the unique design, the flow direction of the pump can be flexibly adjusted.
5. The pump is easy to set up, clean, and maintain.
6. The pump's controller contains a high-tech chip with a rotor lock protection function as well as empty and dry running protection.
7. Memory function : If a power failure occurs while the pump is running in wave mode, it will resume wave mode when the power is restored. If it was in feeding mode before the power failure, it will not continue to run in feeding mode when the power is restored, but in the wave mode that was set before feeding mode.

### 3. PRODUCT PARAMETER

Model No	Power	Voltage	Size	Applicable fish tank(length)	Cord length	Controller	Max temp
HG119	35W	Input:AC110-240V /50-60Hz Output:DC24V	6.9*1.6*3.4inch/ 17.5*4*8.5cm	15-40inch/ 40-100cm	57.9+68inch/ 1.47+1.73m	4.7*2.6*0.8inch/ 11.8*6.5*2.1cm	95°F/35°C
	50W		8.7*1.6*3.4inch/ 22*4*8.5cm	24-48inch/ 60-120cm			

### 4. INSTALLATION

1. This magnetic holder of the wave pump is suitable for aquariums with a glass thickness of up to 15 mm, i.e. for most tanks.

2. Installation of the wave pump body: First, take the pump body out of the packaging and hold it in the middle against the inside of the aquarium glass. Then, guide the magnetic holder to this position from the outside and make sure that both parts stick together. Take care when assembling the magnet base. Keep it parallel to the pad near the outer wall of your aquarium to avoid damaging the glass.(Figure 1)

Caution: The magnetic force of the holder is very strong; take care not to become trapped.

3. Connect the waterproof three-pin plug of the controller to the pump body and then plug the DC plug of the adapter into the DC socket on the controller. Now plug the adapter into the socket.

4. The pump is perfect for aquariums with an edge length of over 2M. Ideally, you should use two wave pumps on opposite sides. (Figure 3)

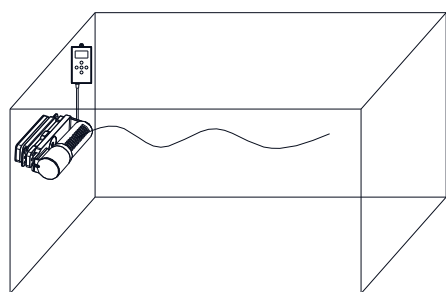


Figure 2

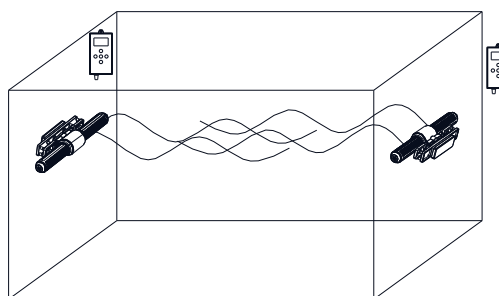


Figure 3

### 5. OPERATING INSTRUCTIONS

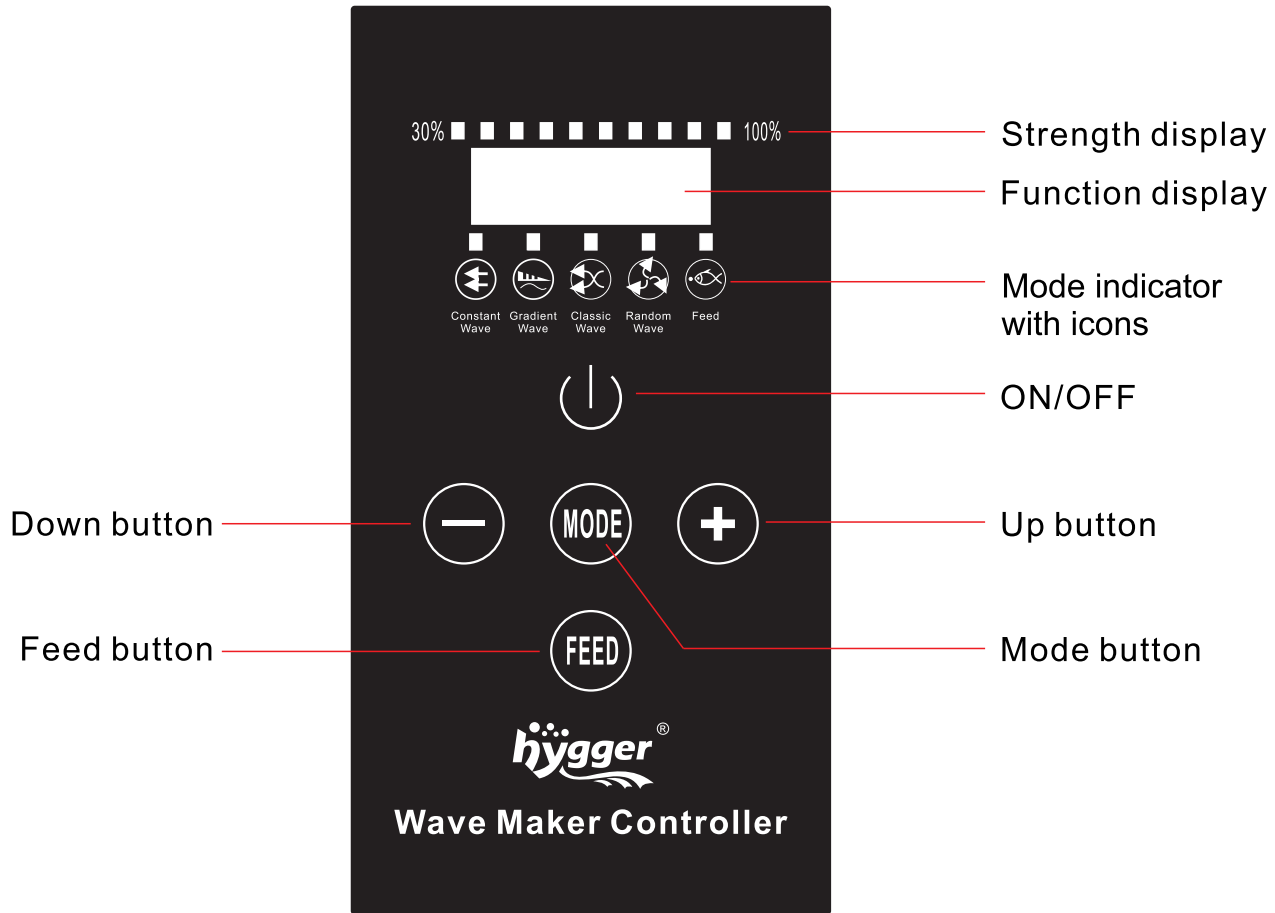
1. Press the "⏻" button to activate the wave pump; it has 10 strengths. Press the "⏮" or "⏭" button to set the desired strength.

2. Press the "Mode" button to select the desired mode. When the pump is switched on for the first time, the preset "classic waves" mode is activated. The sequence is constant waves, gradient waves, classic waves, and random waves.

Each time the button is pressed, the pump switches to the next mode.

3. Press the "Feed" button to enter automatic feeding mode. You can set the feeding time: 10/20/30 minutes.

4. Operating diagram of the control panel shows:



Mode	Screen Display	Whether the wave strength is adjustable
Constant wave	P0XX	√
Gradient wave	P0XX	√
Classic wave	F-XX	√
Random wave	P0XX	×
Feed mode	FE10/20/30	×

### **In the event of malfunctions, please check the following points:**

- 1.If the impeller does not rotate, check it for blockages.
- 2.If the flow rate decreases, please check whether the filter grid has become clogged.
- 3.If the running pump makes a noise, check the impeller for blockages, and remove them or replace it if it is damaged.
4. After-sales Service: If the problem is still unresolved, please contact us.

## **6. MAINTENANCE**

- 1.Clean the pump regularly to ensure that it remains in optimal working order.
- 2.If there is water on the controller, wipe it off with a dry cloth so that it cannot penetrate the controller.
- 3.Clean the pump body regularly to remove dirt from the filter grid and impeller.
- 4.This device is designed for use in indoor aquariums only and must not be used for any other purpose. Ensure that the controller and the adapter are never immersed in water.

## **7. PACKING LIST**

- 1×Controller
- 1×Adapter
- 1×Wave pump (including a magnetic holder inside)
- 1×Magnetic holder outside
- 1×User manual

## **8. ONE YEAR LIMITED WARRANTY**

This product **MUST** be purchased from an authorized hygger reseller. Visit our website for a list of authorized resellers. hygger warrants this product against defects in materials and workmanship for ONE(1) YEAR from the date of the original retail purchase and is none-transferable.

Warranty on all products, including aquariums. But it is limited to the replacement of the products and does not cover fish loss, personal injury, property loss or direct, incidental or consequential damage caused by using this product.

**Note:** hygger One-year Limited Warranty does not cover damage caused by the followings: improper installation, saltwater corrosion, electrical surges or modifications. Additionally, products that have been refunded are also not covered under the warranty.

If you discover a defect, please contact hygger, who will, at it's option, repair or replace the product at no charge, provided that you return it during the warranty period. A copy of the bill of sale is required as a proof of the original purchase date in the event of the product needing repairs within the warranty period. hygger does not warrant any products that aren't hygger's.

This warranty does not apply if the product has been damaged by accident, abuse, misuse or misapplication, or modified without the written permission of hygger.

## 9. DISPOSAL

Do not dispose of this product as unsorted municipal waste. Collection of such waste separately for special treatment is necessary. This product has to be disposed of at an authorized place for the recycling of electrical and electronic appliances rather than being disposed of together with the domestic waste. Collecting and recycling waste is a way of saving natural resources. So, please consult with your local seller to make sure the product is disposed of in an environmentally friendly way.

## 10. CONTACT INFORMATION

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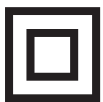
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