印刷 单页：140x200mm，展开尺寸:280x200mm，白底黑字，
骑马钉，印刷前去掉所有黑色外框，材：128克胶双面印刷

封底

封面

AQ111 USER MANUAL
AQQA Wave Maker Pump

AQQA inverter wave pump simulates a marine ecological environment almost perfectly. The high-tech product was specially developed for marine aquariums and is suitable for all types of aquatic creatures. It creates a wave in nature so that aquatic organisms can mimic their natural environment in the aquarium.
Please read this manual carefully before use and keep it for future reference; follow the instructions to ensure proper use.

1. INSTRUCTIONS FOR USE

- This pump is only suitable for indoor use; the controller and the power connection are not waterproof and must be kept dry.
- This pump is suitable for aquariums with a gross thickness of up to 15mm.
- Do not place the pump in a place where it is easy to touch the water, or the magnetic holder will cause physical injury or equipment damage. Indeed, simply push the pump together with the magnet holder on the side of the aquarium, and the magnet will automatically adsorb to the aquarium. Unscrew the screw and pull out the screw and pull out the pump.
- Do not place the pump in a place where it is easy to touch the water.
- Do not let the pump run for a long time without water, or it will overheat and damage the pump.
- Do not let the pump run when the water level is too low, or it will damage the pump.
- Do not use the pump in a place where water is easy to splash and damage it, attempt to repair them.
- Do not disassemble the pump, or it will damage the pump.

2. PRODUCT FEATURES

Suitable for freshwater and seawater aquariums
Wave simulation
Wireless control
Wave frequency and intensity adjustable
DC24V safety output voltage
Low noise

3. PRODUCT SPECIFICATIONS

Model	Adapter	Power (Max)	Flow rate (Max)	Recommended tank size
AQ111-15W	Input voltage: AC100-240V 50/60Hz Output voltage: DC24V 2.5A	15W	1200GPH(4500L)	70-150gal (265-568L)

1. The pump is suitable for aquarium with glass up to 15mm thick.
2. The pump is equipped with a power controller, an adapter, an adapter cable, a double-sided adhesive, a hinge seat, and a pen manual.
3. Remove the hinge seat and adhesive cover from the back of the housing of the wave pump and attach the hinge seat to the back of the pump. Remove the adhesive cover from the back of the hinge seat and attach it to the back of the aquarium glass.
4. Place the wave pump on the hinge seat of the housing. Gently adjust the pump and push the adhesive tape on the back of the pump to the aquarium glass to ensure that the pump is firmly attached to the aquarium glass. Connect the power cable to the adapter, then connect the adapter to the power controller (shown in the diagram). Finally, connect the power cable to the socket.

English Page 1-4
Deutsch Seite 5-9
Français Page 10-14
Español Página 15-19
Italiano Página 20-24

4. OPERATION AND CONTROL PANEL FUNCTION

1.Five operating modes

Choose the five operating modes on a backlash model for cleaning. Press the button to select the operating mode, and the indicator light will flash.

M1 Essential Wave: Simulation of the ocean wave.
M2 Gentle Wave: Simulation of the gentle wave.
M3 Random Wave: Simulation of the random wave.
M4 Drift Wave: Simulation of the drift wave.
M5 Random mode: Simulation of the random wave.
M6 Cleaning mode: Simulation backwash cleaning mode and remove deposits from the pump housing.

2. Frequency adjustment

Press and hold the button until the indicator light is on, and the pump will stop automatically for 3 seconds. Release the button, and the pump will be restarted after the adjustment, please wait for the button again and the indicator light goes on.

4. Wireless connection

For a wireless connection, two identical controllers are equipped on the aquarium at the same time. The wireless connection distance between the two is 3-5 meters. Pairing is as follows:

Master Control: Briefly press the button, and the "M" indicator light lights up. The controller is now in the main control state. The main control can control the wave mode, wave frequency, and light switch synchronously and leads the slave.

Slave Control: Briefly press the button, and the "S" indicator light lights up. The controller is in Slave mode. The slave control is dependent on the main control and can only adjust the wave intensity. Slave mode, briefly press the button, and the "S" indicator light lit up.

Pairing Instructions: Briefly press the button, and the "M" indicator light lit up. The controller is in independent mode and can operate independently.

If you have two or more controllers, you can turn one of them to Slave mode and the other to Master mode. The wave mode, wave frequency, and light switch of the Master mode can be synchronized to the Slave mode, and the wave intensity of the Slave mode can be adjusted independently.

Light switch: Press and hold the button, and the light switch is on. Release the button, and the light switch is off.

Wave intensity adjustment: Briefly press the button, the wave intensity adjustment is completed, and the wave intensity is adjusted in 10 gears. The