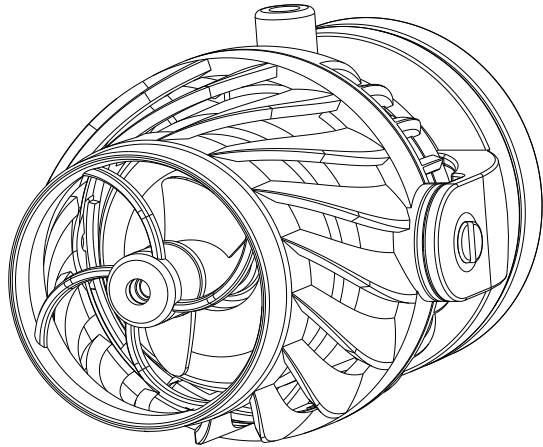


Wireless Controller for Quiet Pump

User's Manual

CoralBox wave makers are well designed as a good equipment to stimulate the natural sea environment by high technology, which offers a natural environment for different sea livings in the fish tank or in the pond. Before assembling and operating correctly, please read the manual carefully.



Models: QP-5、QP-9、QP-16、QP-32

I. Function Overview

- 1、Function, which can achieve different wave patterns as desired.
- 2、Wireless controllers allow synchronize operation among wave makers. One main controller can remote control the sub-controllers
- 3、Low voltage DC electronic pump with variable frequency provides a safe environment for user.
- 4、Easy operation to achieve the multiple sea moving.
- 5、Flow direction can be adjusted by different modes needed.
- 6、Large range of voltage input(AC100~240V 50/60Hz) allows to operate in

various power system and prevent the impact on waves.

II. Assembly Notice

- 1、Suitable for most sizes of the fish tank, the tank thickness of less than 15mm would be better.
- 2、Accessory: wireless controller, adapter, power cable, double side adhesive tape, user's manual.
- 3、Pump assembly: Take away the magnet at the back of the pump basket, locate the pump in the center of the fish tank inside and suck it closely by the rubber pad and shift the magnet slant to the same position on the outside wall. Take care of your fingers to be clamped because of the strong magnetism of magnet.
- 4、Peel off the protection paper on the double-side adhesive sticker and paste in the center of back of controller. Peel off the other protection paper on the other side of and paste the controller on the fish tank, as shown in fig.1.
This action can be omitted if the controller is not aimed to stick on water tank.
- 5、Connect the pump with the 3-pin connection wire. Insert adapter plug to the controller and connect AC wire adapter

Fig 1: assembly and operation

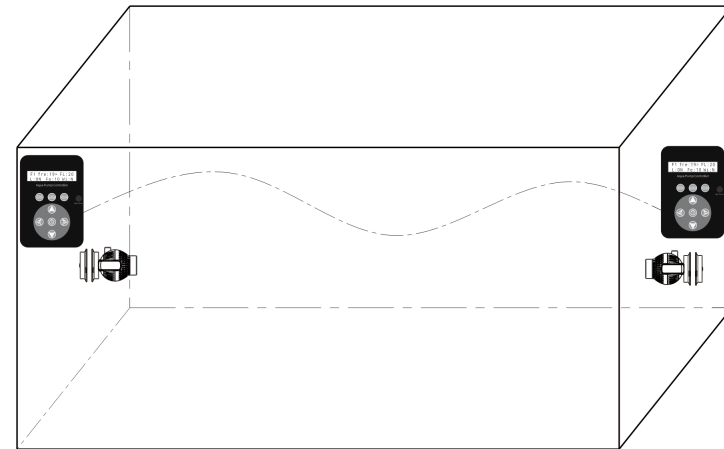


Fig.1

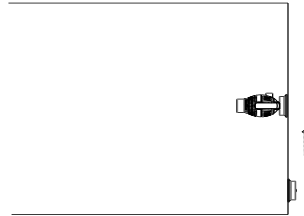


Fig.2

III. Operation and Function



Control panel of wireless controller



1, Button and Function of LCD Display

MODE/NIGHT: Press the button to select different modes: F1, F2, F3, F4, F5, Timer, F7 and enter to the direction of Night mode by long hold-down the button.

FREQ/REVERSE: Press the button to adjust the frequency '+' or '-' and change the direction of the '<' and '>' by long hold-down the button.

WI-LE/RESET: Press the button to select **Master control** 'M', **Slave control** 'S', **Operate individually control** 'N' and enter to Reset mode by long hold-down the button only for Timer.

TIMER:

 **AND**  : Press the button to adjust the flow rate when you are at F1,F2,F3,F4,F5,F7 mode. But if you are in Timer UP and Down will becomes a selection function.

Attention : If you operation on the Night Mode, it cannot change any mode / Feeding until to cancel the Night Mode

2, Function Description



Wireless controller is defined to allow operation without the wire among wave makers.

MASTER Control: Press “**WI-LE/RESET**” once and enter into Master control when LCD display “M” on the Wi-Li. Master controller can operate all the functions for the **Slave Control**. Press “**WI-LI/RESET**” until the LCD display “F” on the Wi-Li. and enter into Follow mode , where all operation is invalid.

Among two or more wave makers, set one as the Master and the others as Follow. You can achieve the same function and operation for all the pumps by adjusting the Master controller.



3、 Introduction of each mode

F1: Constant Flow Mode

One or more pumps can operate at the same time. In constant flow, flow rate can be adjusted by “  and  ”

F2: Wave Mode (WaveBox Function)

Press the “**FREQ/REVESE**” button is necessary when operate this mode to adjust the wave patterns among one or more pumps at the same time. As the volume of water in tank is different from the capacity of the tank, wave period needed to be adjusted by pressing the button. The wave is biggest when wave length turn to be same as the length of tank; Increase the wave length by pressing the button increase the number or otherwise reduce the number.

Tips: You should press the “**FREQ/REVESE**” button gradually and notice the wave pattern in a certain period after each adjustment. Press “  **AND**  ” to adjust the flow rate.

F3: Shift to Wave mode

Two pumps are needed to be operated at the same time, when they shift wave and flow in cycles. P1 work, P2 stop;P2 work, P1 stop;P1 work, P2 stop. and



cycles like this. Cycle period (**Frequency**) can be adjusted by pressing the “**FREQ/REVERSE**” button and adjust the flow rate by pressing “ and ”.

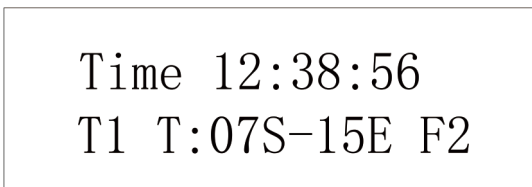
F4: Nature Mode

One or more pumps can operate at the same time in this mode. The power varies between 30%-100% and the regulation looks like a sine curve.

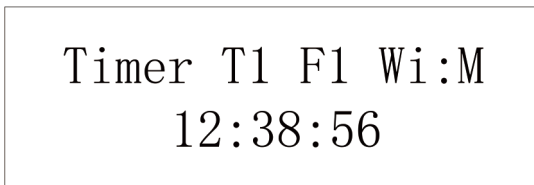
F5: Reef Mode

One or more pumps can operate at the same time. It is a random mode as the power of pump is changing to a random data all the time without regulation.

Timer:



T1 T:07S-15E F2 Mean: Pump will start to work with F2 mode during 7 o'clock to three o'clock in the afternoon.



TI = Time one. FI = FI mode Wi: M = Master control Time 12:38:56

F7: Reverse Function

Long press down “**MODE/NIGHT**” button until the LCD display “F7” and the pump will operate in an opposite rotating direction. Will clear the pump body.

Night Function: Press the “**MODE/NIGHT**” button until LCD display the “ON” after L. It works normally during day time and enters into NIGHT mode automatically when it's dark, when the water flows at the least speed. Quit the mode by long press-down “**MODE/NIGHT**” button until LCD display the “OFF” after L.

FEED Function: Long press down “**FEED 10**” OR “**FEED 20**” button until the LCD display “10 or 20” after “Fe” and the pump stops working and allow fish to eat for 10 or 20 min. and back to normal mode after that. If need to return back to work during feeding, just long press down the “**FEED 10**” OR “**FEED 20**” button until the LCD display “--” after “Fe”.

IV. Warnings

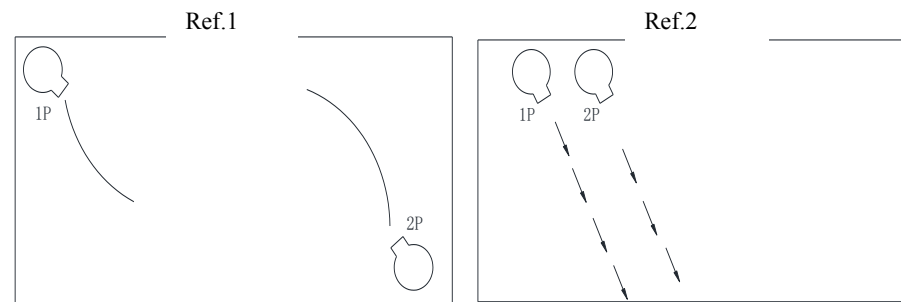
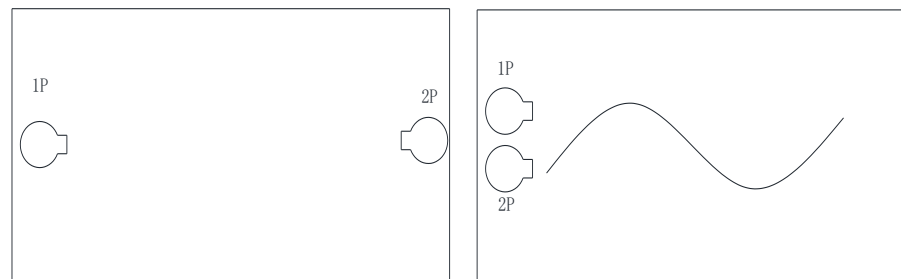
- 1、No water operation to ensure the performance

- 2、Select a dry place to locate the controller to prevent water splashed on it.
- 3、Be careful when assemble the magnet, better to shift parallel the pad close to the outside wall of fish tank to prevent breaking the fish tank.
- 4、Never disassemble the controller and adaptor without professional guidance.

V. Maintenance

- 1、Clean the controller regularly to ensure good performance
- 2、Rub the controller surface with dry cloth if there's any water to prevent water drip into controller
- 3、Sweep the waste in the pump by rotating the basket in anti clockwise to open and lock in clockwise direction.
- 4、Use soft cloth to rub the blade and clean the dirt in the pump
- 5、This product is indoor use only, never submerged in the water to cause unnecessary loss.

Appendix: PUMP LOCATING



WEEE

Ref.3

Ref.4

EU Waste Electrical and Electronic Equipment (WEEE) Directive In August of 2005, the European Union (EU) implemented the EU WEEE Directive 2002/96/EC and later the WEEE Recast Directive 2012/19/EU requiring Producers of electronic and electrical equipment (EEE) to manage and finance the collection, reuse, recycling and to appropriately treat WEEE that the Producer places on the EU market after August 13, 2005. The goal of this directive is to minimize the volume of electrical and electronic waste disposal

and to encourage re-use and recycling at the end of life. {Coral Box} has met its national obligations to the EU WEEE Directive by registering in those countries to which {Coral Box} is an importer. {Coral Box} has also elected to join WEEE Compliance Schemes in some countries to help manage customer returns at end-of-life. If you have purchased {Coral Box}-branded electrical or electronic products in the EU and are intending to discard these products at the end of their useful life, please do not dispose of them with your other household or municipal waste. {Coral Box} has labeled its branded electronic products with the WEEE Symbol (figure 1) to alert our customers that products bearing this label should not be disposed of in a landfill or with municipal or household waste in the EU. Instead, please be aware that {Coral Box} is making a return and collection system available to you, free of transportation and recycling costs, for discarding these products. [Can only be used by the Company if this document is publicly available] For a copy of {Coral Box}'s Selective Treatment of Waste Electrical and Electronic Equipment outlined under Articles 14 and 15 and Annex VII of the EU WEEE Directive 2012/19/EU, please click here [WEEE](#)



Selective Treatment List and the list of hazardous materials used in our product 