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## Unicliffe UL207

# Unicliffe 3400 GPH Aquarium Wave Maker

MODEL: UL207

Instruction Manual

## 1. Introduction

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The Unicliffe 3400 GPH Aquarium Wave Maker (Model UL207) is designed to create adjustable water circulation within 120-300 gallon fish tanks. This device is suitable for both freshwater and saltwater environments, promoting a natural aquatic environment for your fish and corals. Its robust design and multiple operating modes ensure efficient and customizable water movement.

# Only Suit 120-300 Gallon Fish Tanks

NOT suitable for fish tanks less than 120 gallons



APPLICABLE TANK	POWER	VOLTAGE	MAX FLOW RATE
<b>120-300 Gallon</b>	<b>40 W</b>	<b>DC 24 V</b>	<b>3400 GPH</b>

Image 1: Uniclife 3400 GPH Wave Maker, suitable for 120-300 gallon tanks, 40W power, DC 24V, 3400 GPH max flow rate.

## 2. Product Features

- **Tank Compatibility:** Specifically designed for 120-300 gallon fish tanks. Not suitable for tanks less than 120 gallons.
- **High Flow Rate:** Provides a maximum flow rate of 3400 GPH (5.66 Gallons Per Minute) with 40W power and DC 24V voltage.
- **All-round Circulation:** Features a strong magnetic base for flexible positioning and a rotatable head to direct water flow from multiple directions, creating comprehensive water movement.
- **4 Optional Wave Modes:** Easily switch between M1 (Constant Water Flow), M2 (Cuboid Wave Mode), M3 (Sine Wave Mode), and M4 (Irregular/Random Flow) using the control panel.
- **Feeding Feature:** A dedicated feed mode temporarily stops the pump for 10 minutes to allow fish to feed without food being dispersed by the current.
- **Quiet Operation:** Engineered for low noise output, producing a mild ringing sound during operation to minimize disturbance.
- **Detachable Design:** Allows for easy disassembly and cleaning without the need for additional tools.

# Adjustable Circulation Pump

(For 120-300 Gal Aquariums)

Creates Mimic Sea Waves  
in Quiet Way



Image 2: The wave maker provides adjustable circulation for 120-300 gallon aquariums, creating mimic sea waves quietly.

## 3. Package Contents

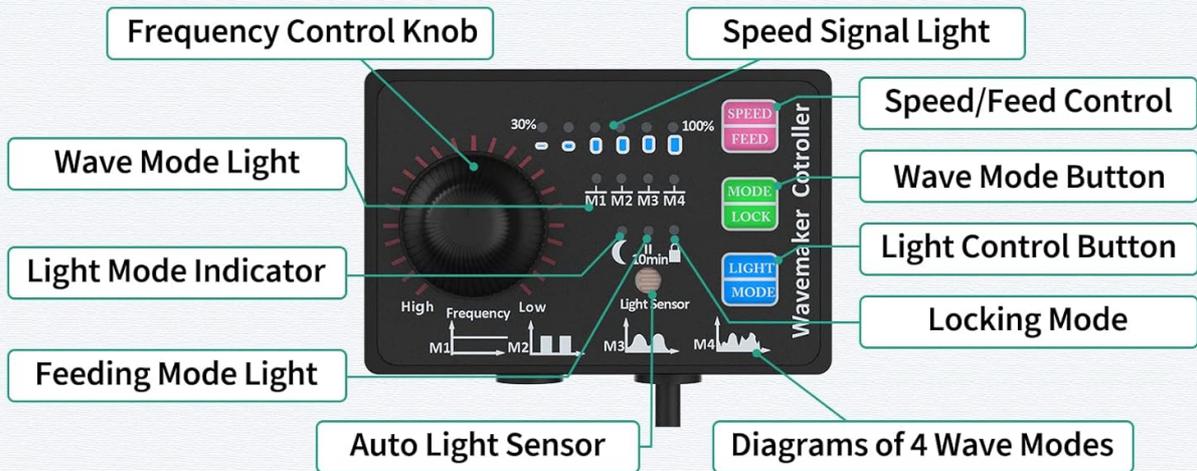
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Upon opening the package, ensure all the following components are present and in good condition:

1. Wave Maker Pump Unit
2. External Controller with Power Adapter
3. Magnetic Suction Base
4. Instruction Manual

# Handy External Controller

A simple press to achieve your desired sea wave mode



## 1. Mode/Lock

Long press for 3 sec to lock the panel.  
Long press again to unlock it.

## 3. Feed Mode

Hold "Speed/Feed" for 3 sec.  
A 10-min stop for feeding.  
(Restart automatically after 10 mins)

## 4. Light Mode

Press it until its indicator is on.  
Long press again to cancel it.  
(Shift day/night mode according to light sensor)

## 2. Wave Mode

Click "Mode/Lock" to switch 4 wave modes.

**M1:** Constant Water Flow    **M2:** Cuboid Wave Mode  
**M3:** Sine Wave Mode        **M4:** Irregular/Random Flow

### 2.1-Rotatable Knob

Adjust frequency from slow to fast.

### 2.2-Speed/Feed

Short press to adjust flow rate  
from 30% to 100%.

### 2.3-Mode/Lock

Long press for 3 sec to lock the panel.  
Long press again to unlock it.

Image 3: The external controller allows for easy adjustment of wave modes and speed.

## 4. Installation

Follow these steps for proper installation:

- 1. Positioning the Pump:** Place the wave maker pump unit inside your aquarium. Use the strong magnetic base to secure it to the tank wall. Ensure the pump is fully submerged in water.
- 2. Adjusting Direction:** The rotatable head allows you to adjust the direction of water flow to achieve optimal circulation.
- 3. Controller Placement:** Mount the external controller outside the aquarium in a dry, easily accessible location. The controller can be attached to the tank stand or wall using the provided adhesive pad.
- 4. Connecting Power:** Connect the pump unit to the controller, and then plug the power adapter into a suitable electrical outlet. Ensure all connections are secure.



Image 4: The rotatable head allows for flexible adjustment of water flow direction.

## 5. Operating Instructions

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The external controller provides various settings to customize water flow:

- **Wave Modes (M1/M2/M3/M4):** Press the "MODE" button to cycle through the four distinct wave patterns:
  - **M1 (Constant Water Flow):** Provides a steady, continuous flow.
  - **M2 (Cuboid Wave Mode):** Generates intermittent, strong pulses of water.
  - **M3 (Sine Wave Mode):** Creates a smooth, oscillating wave pattern.
  - **M4 (Irregular/Random Flow):** Simulates natural, unpredictable ocean currents.
- **Speed/Feed Control:** Use the "SPEED/FEED" button and frequency control knob to adjust the intensity of the water flow (from 30% to 100%). Hold the "SPEED/FEED" button for approximately 3 seconds to activate the 10-minute feeding mode, which temporarily stops the pump. The pump will automatically resume after 10 minutes.
- **Light Mode:** Press the "LIGHT MODE" button to activate or deactivate the light sensor. When active, the pump's operation may adjust based on ambient light conditions (e.g., reduced power at night).
- **Locking Mode:** Press the "LOCK" button for 3 seconds to lock the control panel, preventing accidental changes to settings. Press again for 3 seconds to unlock.

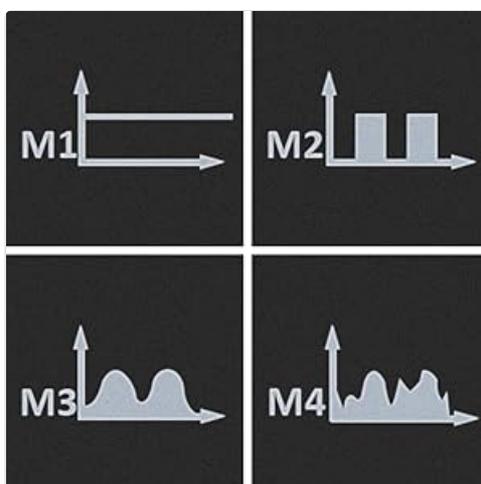


Image 5: Visual representation of the four distinct wave modes (M1, M2, M3, M4) available on the controller.

## 6. Maintenance

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Regular cleaning is essential to ensure efficient operation and prolong the life of your wave maker:

1. **Disassembly:** The wave maker features a detachable design, allowing for easy disassembly without tools. Carefully separate the pump components.
2. **Cleaning:** Remove any debris, algae, or mineral buildup from the impeller, impeller shaft, and pump housing. Use a soft brush and warm water. For stubborn mineral deposits, a diluted vinegar solution can be used, followed by thorough rinsing.
3. **Reassembly:** Ensure all components are clean and dry before reassembling. Align parts correctly and secure them.



Image 6: The wave maker features a detachable design for easy, tool-free cleaning.

## 7. Troubleshooting

- **Controller Not Working:** Check if the power adapter is securely connected and receiving power. Ensure the "LOCK" mode is not active. If the light sensor is on, try turning it off or adjusting the controller's position.
- **Pump Not Working:** Verify that the pump is fully submerged and that the power cable is securely connected. Check for any blockages in the impeller or housing. Clean if necessary.
- **Excessive Noise:** Ensure the pump is securely mounted and not vibrating against the tank glass.

Check for debris in the impeller. The silicone pads on the magnetic base help reduce noise.

## 8. Specifications

Attribute	Value
Brand	Unicliffe
Model Number	UL207
Color	Black
Material	Stainless Steel
Style	Submersible
Product Dimensions	2.7"L x 2.7"W x 5"H
Power Source	Corded Electric
Item Weight	2.54 Pounds
Maximum Flow Rate	3400 GPH (5.66 Gallons Per Minute)
Maximum Lifting Height	3 Meters
Voltage	DC 24 Volts
Suitable Tank Size	120-300 Gallon

# Dimension Reference

DO confirm tank capacity to select the correct pump



Model	W-10	W-25	W-40
Suitable For	30-60 Gallon Tanks	60-120 Gallon Tanks	120-300 Gallon Tanks

Image 7: Dimension reference for various Unicliffe Wave Maker models, including W-40 (UL207) for 120-300 Gallon tanks.

## 9. Warranty and Support

This Unicliffe product is covered by a **Limited Warranty** for a period of 12 months from the date of purchase. This warranty covers manufacturing defects and ensures the product functions as intended under normal use. Please retain your proof of purchase for any warranty claims.

For technical support, troubleshooting assistance, or to inquire about warranty claims, please contact Unicliffe customer service through the retailer where the product was purchased. Do not attempt to repair the unit yourself, as this may void the warranty.