

FREESEA Pond Pump

FREESEA Submersible Pond Water Pump User Manual

MODEL: POND PUMP

Brand: FREESEA

1. INTRODUCTION

Thank you for choosing the FREESEA Submersible Pond Water Pump. This manual provides essential information for the safe and efficient operation, installation, and maintenance of your pump. Please read these instructions carefully before use and retain them for future reference.

2. IMPORTANT SAFETY INSTRUCTIONS

- Always disconnect the power supply before performing any maintenance or cleaning.
- Ensure the power cord and plug are in good condition. Do not operate with a damaged cord or plug.
- This pump is designed for water circulation only. Do not use with flammable or corrosive liquids.
- Ensure the pump is fully submerged when operating underwater to prevent dry running, which can cause damage.
- Keep children and pets away from the pump during operation.
- The pump operates on 24V DC output from a 110-120V input adapter. Use only the provided power adapter.

3. PACKAGE CONTENTS

Verify that all components are present in the package:

- 1 x FREESEA Submersible Pond Water Pump
- 1 x 15 ft Tubing (calibre: 0.74")

- 3 x Nozzles (0.74 in., 1 in., and 1.25 in. diameter)
- 1 x Power Adapter
- 1 x External Controller
- Instruction Manual



Image: All components included in the FREESEA Submersible Pond Water Pump package, including the pump, various nozzles, tubing, power adapter, and external controller.

4. PRODUCT OVERVIEW

The FREESEA Pond Pump is designed for efficient water circulation in various aquatic environments. Key features include a detachable inlet mesh cover, durable construction, and an external controller for adjustable water flow.

4.1 Key Components

- **Inlet Mesh Cover:** Prevents debris from entering the pump and is detachable for easy cleaning.
- **Motor:** High-efficiency 50W motor for powerful water flow.
- **Water Outlet:** Connects to tubing for water discharge.
- **Silicone Suction Cups:** For stable placement of the pump.
- **External Controller:** Allows adjustment of flow rate and selection of operating modes.

INLET MESH COVER

Detachable & Cleanable



Prevents entry of large stones

2600GPH
Max Flow

22 FT
Max Head Height



Image: Close-up view of the pump's inlet mesh cover, highlighting its detachable and cleanable design. Text indicates 2600 GPH Max Flow and 22 FT Max Head Height.

WATER PUMP FEATURES



Convenient to use



Low noise Design



Quality & Security



Premium Material



Image: An exploded diagram showing the internal components of the water pump, including the motor, water outlet, silicone suction cups, and water filter (inlet mesh cover).

5. SPECIFICATIONS

Feature	Specification
Model Number	Pond Pump
Product Dimensions	17.8L x 12.7W x 20.3H Centimetres (7.4 x 3.1 x 4.4 inches)
Max Flow Rate	2600 GPH (10000 L/H)
Max Lift Height	22 ft
Wattage	50W
Input Voltage	110-120V
Output Voltage	24V DC
Power Cord Length	15 ft

Feature	Specification
Material	Plastic
Shafts and Drive Rings	Silicon Carbide

6. SETUP AND INSTALLATION

The FREESEA Pond Pump is an amphibious pump, suitable for both underwater and land-based (inline) applications.

6.1 Choosing a Nozzle

Select one of the three provided nozzles (0.74 in., 1 in., or 1.25 in.) based on your desired water flow effect and tubing size. Screw the chosen nozzle securely onto the pump's water outlet.

6.2 Submersible Installation

1. Attach the 15 ft water tube to the selected nozzle on the pump's outlet.
2. Place the pump at the desired location within your pond, aquarium, or water garden. Ensure the pump is fully submerged in water. The silicone suction cups on the base can help secure it to a smooth surface.
3. Route the power cord and controller cable safely out of the water and connect to the power adapter.

6.3 Land-Based (Inline) Installation

1. Connect one tube to the pump's inlet (where the mesh cover is) and another tube to the pump's outlet (with the chosen nozzle).
2. Position the pump on a stable, dry surface near your water feature. Ensure the pump is below the water level of the source to allow for gravity-fed intake.
3. Route the power cord and controller cable and connect to the power adapter.

AMPHIBIOUS

SUITABLE FOR UNDERWATER AND LAND

User for land
Connect two tubes

Use for under water
Connect one tube

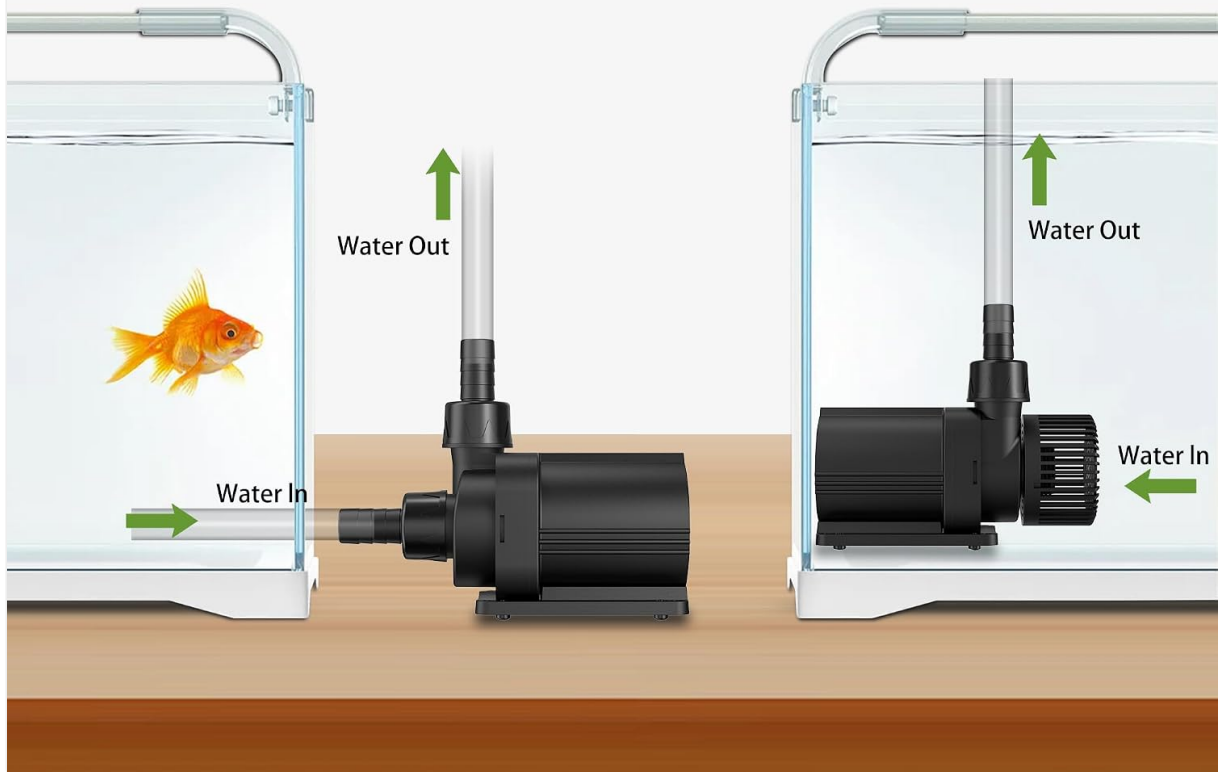


Image: Diagram illustrating the amphibious capabilities of the pump. On the left, a land-based setup shows two tubes connected (water in and water out). On the right, an underwater setup shows one tube connected for water out, with water in directly from the tank.

7. OPERATING INSTRUCTIONS

The external controller allows for precise control over the pump's operation.

7.1 Powering On/Off

Once the pump is installed and connected to the power adapter, plug the adapter into a suitable electrical outlet. The pump will power on according to its last settings or default mode.

7.2 External Controller Functions

EXTERNAL CONTROLLER



Wave Maker Function & Pump Water Function



M

Press the button to switch between wave-making mode and pumping mode.

Feed Mode Function:



F

Press the button to enter the feed mode

Control water flow:



+

Adjustable 20 levels of water flow.

-

Press the + or - to up or down.

Image: The external controller with its display and buttons. Instructions show how to use the 'M' button for Wave Maker/Pump Water functions, the 'F' button for Feed Mode, and '+' / '-' buttons for adjusting water flow.

- **Adjustable Water Flow (20 Levels):** Use the **+** and **-** buttons on the controller to increase or decrease the water flow rate. The display will show the current level.
- **Mode Selection:** Press the **M** button to cycle through the available modes:
 - **Pump Mode:** Standard continuous water pumping.
 - **Wave Mode:** Creates a wave-like water movement (if applicable to your model).
 - **Feed Mode:** Temporarily pauses the pump for feeding, typically for 10 minutes, then resumes operation. Press **F** to activate Feed Mode.

8. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your pump.

8.1 Cleaning the Inlet Mesh Cover

1. Disconnect the pump from the power supply.
2. Carefully remove the inlet mesh cover from the pump.
3. Rinse the mesh cover under clean water to remove any accumulated debris, algae, or sediment. Use

a soft brush if necessary.

4. Reattach the clean inlet mesh cover securely to the pump.

8.2 General Cleaning

- Periodically inspect the impeller and pump housing for blockages or buildup.
- If necessary, disassemble the pump (refer to the exploded view in Section 4.1) and clean all internal components with clean water.
- Ensure all parts are reassembled correctly before reconnecting power.

9. TROUBLESHOOTING

Problem	Possible Cause	Solution
Pump does not start	No power supply Power cord or adapter damaged Impeller jammed	Check power connection and outlet Inspect cord/adaptor for damage; replace if necessary Disconnect power, clean impeller area
Reduced water flow	Inlet mesh cover clogged Tubing kinked or blocked Impeller dirty or worn	Clean inlet mesh cover Check and clear tubing Disconnect power, clean or replace impeller
Pump is noisy	Debris in impeller Pump not stable Dry running	Disconnect power, clean impeller Ensure pump is securely placed Ensure pump is fully submerged in water
Pump stops intermittently	Overheating protection Low water level Power fluctuations	Check for blockages, ensure proper cooling Ensure adequate water level Check power source stability

10. APPLICATIONS

This versatile pump is suitable for a wide range of aquatic applications:

- Koi/Fish Ponds
- Fountains
- Aquariums
- Water Gardens
- Waterfalls
- Hydroponics and Irrigation Systems

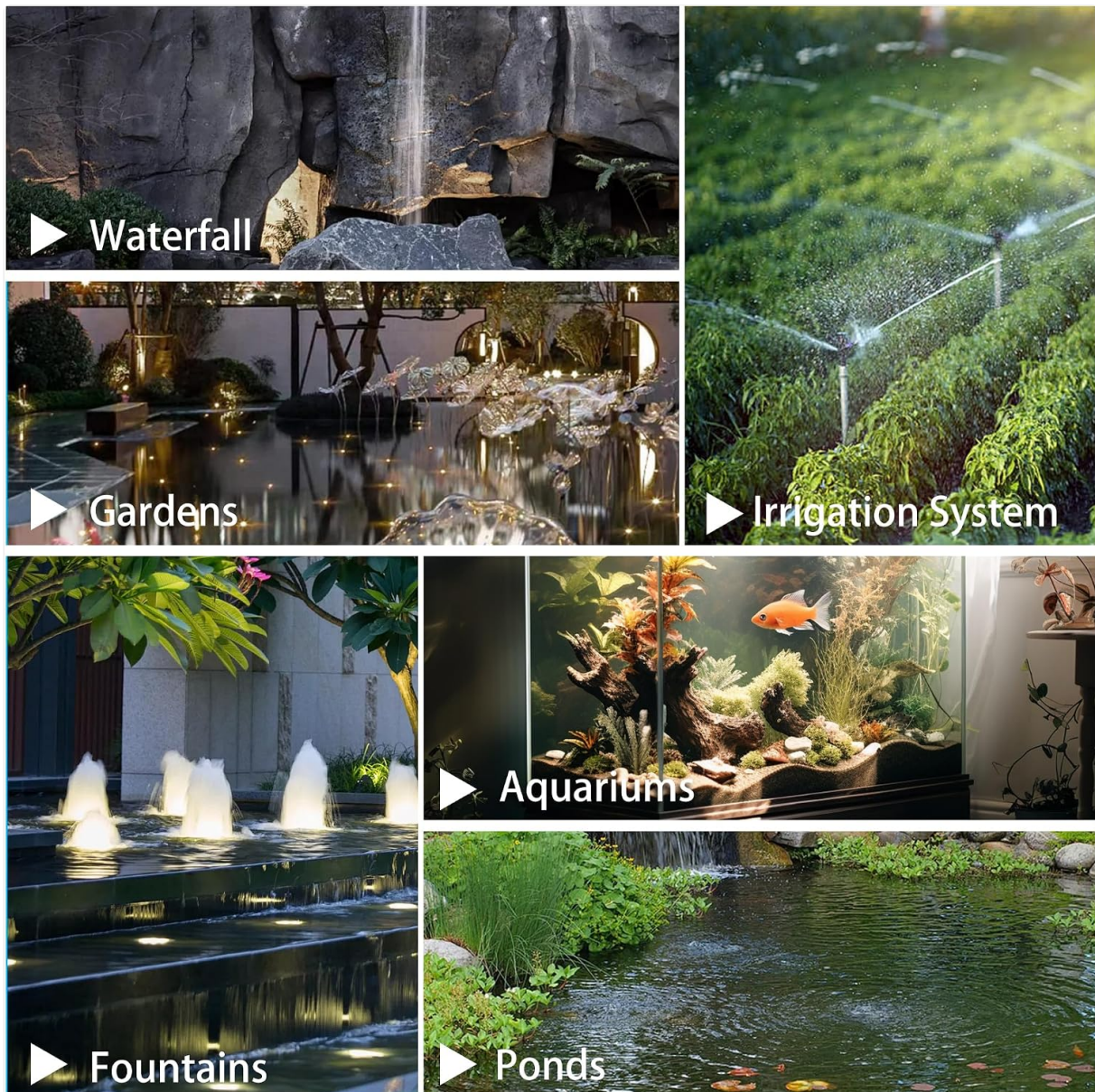


Image: A collage of images demonstrating the pump's use in different settings, including waterfalls, gardens, irrigation systems, aquariums, fountains, and ponds.

11. PRODUCT VIDEO

Your browser does not support the video tag.

Video: An official product video from FREESEA demonstrating the features and operation of the submersible water pump, including its components and application in an aquarium setting.

12. WARRANTY AND SUPPORT

The FREESEA Submersible Pond Water Pump comes with a **12-month warranty**, ensuring stable operation and continuous water flow. For any questions, concerns, or assistance regarding your purchase, our professional after-sales service team is available 24 hours a day to provide support and peace of mind.