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LAPOND 7W DC12V

LAPOND 7W Ultra Quiet Submersible Pump User Manual

Model: 7W DC12V

INTRODUCTION

Thank you for choosing the LAPOND 7W Ultra Quiet Submersible Pump. This pump is designed for various aquatic and hydroponic applications, including fish tanks, ponds, aquariums, statuary, and hydroponic systems. It features a timed circulation system, strong power, high lift capability, and anti-dry burning technology for enhanced durability. Please read this manual carefully before installation and operation to ensure proper use and longevity of your pump.



Image: The LAPOND 7W Submersible Pump, showing its compact design, power adapter, timer control, and two nozzle adapters.

PRODUCT FEATURES

- **Timed Circulation System:** Features an adjustable timer with anti-dry burning technology. Set activation duration to 5/15/30 minutes and deactivation period to 30/60/120 minutes to optimize pump durability and nutrient circulation.
- **Strong Power & High Lift:** Capable of a maximum lift height of 5.25 feet (1.6 meters) and a maximum flow rate of 120 GPH (600 L/H), suitable for various applications.
- **Ultra Quiet Operation:** Engineered for low noise, operating at approximately 35dB, significantly reducing working noise for a peaceful environment.
- **Adjustable Water Flow Rate:** Easily control the water flow by rotating the water control valve on the pump.
- **Water Shortage Protection:** Built-in dry burning auto shut-off function prevents damage to the pump when water levels are low.
- **Easy Installation:** Equipped with 4 strong independent suction cups for secure vertical or horizontal placement in your aquarium or pond.

- **Versatile Outlet Adapters:** Includes two nozzles with different diameters (0.33 in. and 0.51 in.) to provide varied water flow effects.

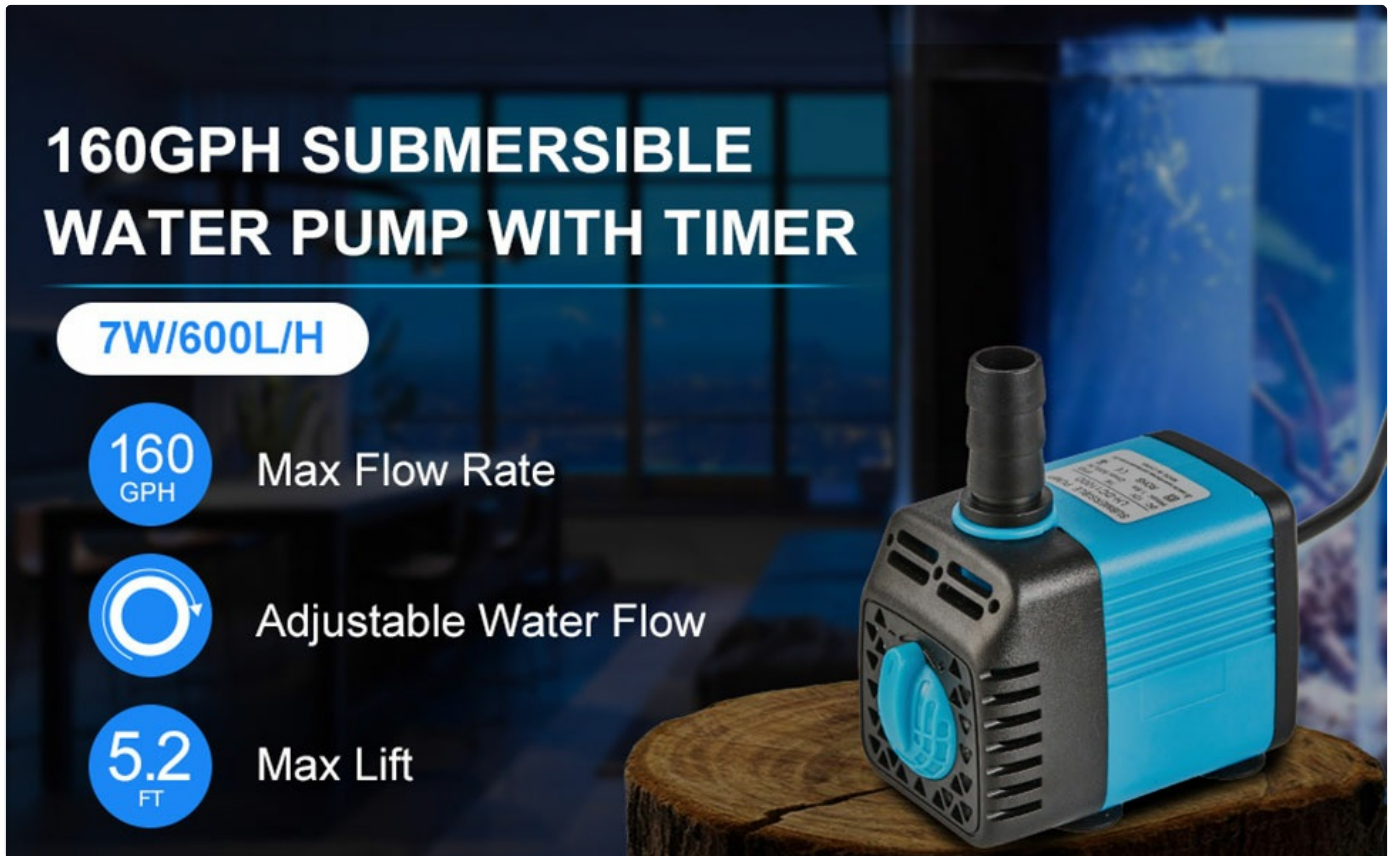


Image: Overview of the 160GPH submersible water pump highlighting max flow rate, adjustable water flow, and max lift.

SETUP INSTRUCTIONS

1. **Unpack Components:** Carefully remove the pump, power adapter, timer, and two nozzles from the packaging.
2. **Attach Nozzle:** Select the desired nozzle (0.33 in. or 0.51 in.) and firmly attach it to the pump's outlet.
3. **Positioning the Pump:**
 - Ensure the pump is fully submerged in water before operation.
 - Use the four strong suction cups on the bottom of the pump to secure it to a clean, smooth surface within your tank, pond, or reservoir. It can be placed horizontally or vertically.

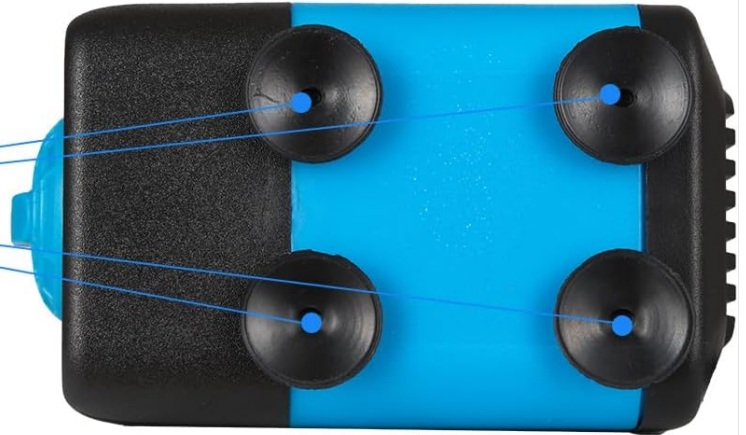
STRONG SUCTION CUPS

Easy to Install

The cups are strong which makes your pump stay intact all the way!



Suction Cups x 4



Horizontal Plane



Vertical Plane

Image: Illustration of the pump's strong suction cups and how it can be installed horizontally or vertically.

4. Connect Timer and Power:

- Connect the pump's power cord to the timer unit.
- Connect the power adapter to the timer unit.
- Plug the power adapter into a suitable electrical outlet.

5. **Initial Check:** Before powering on, double-check all connections and ensure the pump is completely submerged.

OPERATING INSTRUCTIONS

Adjusting Water Flow Rate

The pump features an adjustable water control valve. Simply rotate the blue knob on the front of the pump to increase or decrease the water flow rate according to your application's needs.

ULTRA QUIET DESIGN

Working Sound is Approximately 35db,
greatly reducing the working noise!



Image: Close-up of the pump showing the adjustable water flow rate knob and indicating max flow rate, max lift height, and anti-dry safety protection.

Using the Timed Circulation System

The timer allows you to set specific ON and OFF cycles for the pump, enhancing efficiency and preventing continuous operation. The default setting is for the pump to work for 5 minutes every 30 minutes.

- **Setting ON Duration:** Press the "ON SET" button on the timer control to cycle through the available activation durations: 5 minutes, 15 minutes, or 30 minutes.
- **Setting OFF Duration:** Press the "OFF SET" button on the timer control to cycle through the available deactivation periods: 30 minutes, 60 minutes, or 120 minutes.
- The selected settings will be indicated by illuminated LEDs on the timer unit.

COOL! TIMEABLE CIRCULATORY SYSTEM

The default setting of the timer is work for 5 minutes every 30 minutes, and you can set the time according to your needs.



Image: Detailed diagram illustrating the timer control unit with "ON SET" and "OFF SET" buttons and their corresponding time options (5/15/30 min ON, 30/60/120 min OFF).

MAINTENANCE

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

- 1. Disconnect Power:** Always unplug the pump from the power outlet before performing any maintenance.
- 2. Clean Impeller:**
 - Remove the front cover of the pump to access the impeller.
 - Carefully remove the impeller and clean it with a soft brush under running water. Remove any debris, algae, or mineral buildup.
 - Clean the impeller chamber thoroughly.
- 3. Clean Nozzles and Hoses:** Ensure the nozzles and any connected hoses are free from blockages.
- 4. Check Power Cord:** Inspect the power cord for any signs of damage or fraying. Do not use the pump if the cord is damaged.
- 5. Water Quality:** Maintain good water quality in your application to minimize buildup and extend pump life.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Pump does not turn on.	No power; Timer set to OFF cycle; Impeller jammed; Dry burning protection activated.	Check power connection; Verify timer settings; Clean impeller; Ensure pump is fully submerged.
Reduced water flow.	Clogged impeller or nozzle; Water level too low; Flow control valve closed.	Clean impeller and nozzles; Add water to the system; Adjust flow control valve.

Problem	Possible Cause	Solution
Pump is noisy.	Impeller obstructed; Air in pump; Pump not securely placed.	Clean impeller; Ensure pump is fully submerged and free of air bubbles; Re-secure pump with suction cups.
Timer not working correctly.	Incorrect timer settings; Timer malfunction.	Review and reset timer settings according to operating instructions. If issues persist, contact customer support.

SPECIFICATIONS

Feature	Detail
Model	7W DC12V
Wattage	7 Watts
Voltage	12 Volts (DC)
Max Flow Rate	120 GPH (600 L/H)
Max Lift Height	5.25 Feet (1.6 meters)
Product Dimensions (LxWxH)	1.7" x 3" x 2.2" (42x55x75mm)
Material	Plastic
Power Cord Length	Approximately 5.24 feet
Nozzle Diameters	0.33 in. and 0.51 in.
Timer Settings (ON)	5 / 15 / 30 minutes
Timer Settings (OFF)	30 / 60 / 120 minutes
Protection Feature	Anti-dry burning safety protection

SPECIFICATIONS

Power:	7W
Voltage:	DC 12V
Max Flow Rate:	600L/H
Max Lift Height:	5.2ft
Diameters Nozzle:	0.33" and 0.51"
Power Cord Length:	5.24ft
Pump Dimension (LxWxH):	1.7"* 2.2"*3.0" (42*55*75mm)
Timer:	On 5/15/30 min,Off 30/60/100 min
Function:	Anty-dry Safety Protection

Image: A visual representation of the pump's key specifications including power, voltage, flow rate, lift height, and dimensions.

WARRANTY AND SUPPORT

LAPOND is committed to providing high-quality products. For any questions, concerns, or technical support regarding your 7W Ultra Quiet Submersible Pump, please contact LAPOND customer service. Please refer to your purchase documentation for specific warranty details and contact information.

You can often find support contact details on the official LAPOND website or through the retailer where you purchased the product.