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Aexit AT-707

Aexit AT-707 Mini Submersible Water Pump User Manual

Model: AT-707 | Brand: Aexit

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1. PRODUCT OVERVIEW

The Aexit AT-707 Mini Submersible Water Pump is designed for various aquatic applications, including aquariums, fountains, and fish ponds. This compact pump operates on AC 110V-120V power, offering low power consumption and quiet operation. Its durable plastic shell provides corrosion and impact resistance, ensuring longevity in both fresh and saltwater environments. The pump features an adjustable flow rate and must be fully submerged during operation.



Figure 1: Aexit AT-707 Mini Submersible Water Pump. This image shows the compact black pump with its power cord and discharge nozzle, along with the product label indicating model AT-707, AC 110V-120V, 7W, Hmax 1M, Qmax 400L/H, and a caution message.

2. SAFETY INSTRUCTIONS

Please read and understand all safety instructions before operating the pump. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- **Electrical Safety:** Always disconnect the power supply before performing any maintenance, installation, or cleaning. Ensure your hands are dry when plugging or unplugging the pump.
- **Submersion:** This pump is designed for full submersion only. Never operate the pump dry, as this can cause overheating and permanent damage.
- **Power Cord:** Do not modify or damage the power cord. If the cord is damaged, discontinue use immediately and replace the pump. Do not use the power cord to lift or carry the pump.
- **Voltage:** Ensure the power supply voltage matches the pump's specified voltage (AC 110V-120V).
- **Children and Pets:** Keep the pump and its power cord out of reach of children and pets.

- **Intended Use:** Use this pump only for its intended purpose in aquariums, fountains, or ponds. Do not use with flammable liquids or in hazardous environments.

3. PACKAGE CONTENTS

Verify that all items are present and in good condition upon opening the package.

- 1 x Aexit AT-707 Mini Submersible Water Pump
- 2 x Discharge Ports (various sizes for hose connection)



Figure 2: One of the included discharge ports. This image shows a black plastic cylindrical discharge port, which connects to the pump's outlet and allows for hose attachment.

4. SETUP INSTRUCTIONS

1. **Attach Discharge Port:** Select the appropriate discharge port size for your hose and firmly attach it to the pump's outlet nozzle.
2. **Position the Pump:** Place the pump in the desired location within your aquarium, fountain, or pond. Ensure the pump is positioned on a stable surface.
3. **Secure with Suction Cups:** The pump is equipped with suction cups on its base. Press the pump firmly against a clean, smooth surface (e.g., glass, plastic) to secure it in place. Ensure all suction cups are making full contact.

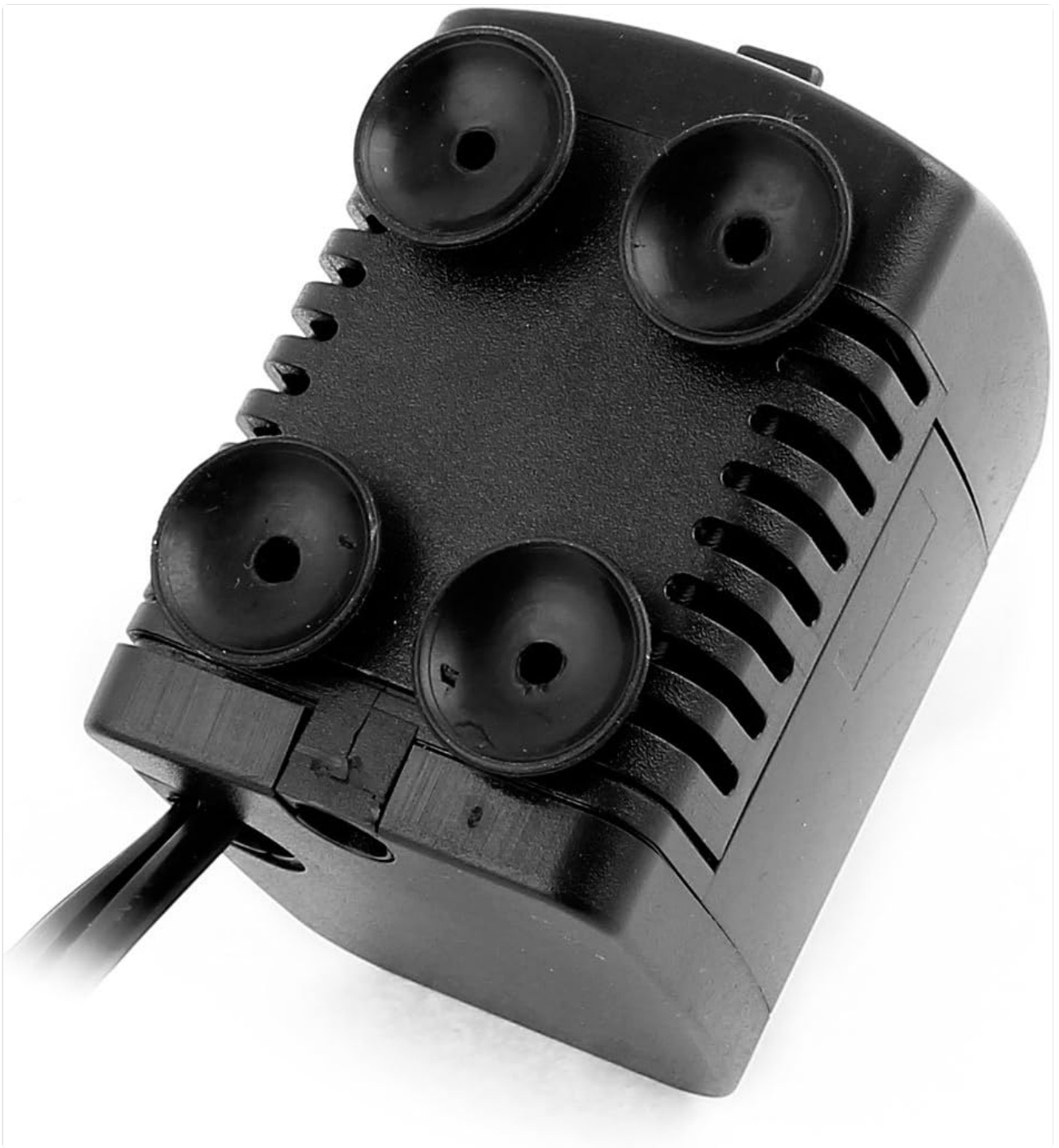


Figure 3: Underside of the pump showing four suction cups. This image displays the base of the pump, highlighting the four black suction cups designed to secure the pump to a surface.

4. **Submerge the Pump:** Ensure the pump is fully submerged in water before connecting it to power. The water level must be above the pump's intake vents.
5. **Connect Power:** Carefully route the power cord to a suitable electrical outlet. Ensure there are no kinks or damage to the cord.



Figure 4: US standard two-prong power plug. This image shows the black two-prong US plug attached to the pump's power cord, ready for connection to an electrical outlet.

5. OPERATING INSTRUCTIONS

- Start Operation:** Once the pump is fully submerged and all connections are secure, plug the power cord into a standard AC 110V-120V electrical outlet. The pump will begin to operate immediately.
- Adjust Flow Rate:** This pump features an adjustable flow rate. Locate the flow control switch (if present, typically a small lever or dial) on the pump body and adjust it to achieve the desired water flow.
- Stop Operation:** To turn off the pump, simply unplug the power cord from the electrical outlet.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your pump. Always disconnect power before performing any maintenance.

- Cleaning the Impeller:** Over time, debris can accumulate around the impeller, reducing pump efficiency. Carefully remove the front cover of the pump (if detachable) and clean the impeller and its housing with a soft brush and clean water.
- Check for Blockages:** Periodically inspect the intake vents and discharge nozzle for any blockages from algae, plant matter, or other debris. Clear any obstructions to maintain proper flow.
- Clean Suction Cups:** If the suction cups lose their grip, clean them and the surface they attach to. This will help maintain secure placement.
- Winterization (for outdoor use):** If used outdoors in freezing temperatures, remove the pump from the water and store it in a frost-free location to prevent damage.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Pump does not start or operate.	No power supply. Impeller jammed. Damaged motor.	Check power connection and outlet. Disconnect power, clean impeller and housing. Contact support; pump may need replacement.
Reduced water flow.	Clogged intake or discharge. Impeller dirty. Water level too low.	Clean intake and discharge ports. Clean impeller. Ensure pump is fully submerged.
Pump is noisy.	Debris in impeller. Pump not stable. Running dry.	Disconnect power, clean impeller. Re-secure pump with suction cups. Ensure pump is fully submerged.

8. SPECIFICATIONS

Model: AT-707

Working Voltage: AC 110V-120V

Power: 7W

Frequency: 60Hz

Maximum Height (Hmax): 1m (3.28 ft)

Maximum Flow (Qmax): 400L/H (105.6 GPH)

Dimensions (L*W*T): 65 x 43 x 49mm (2.56" x 1.69" x 1.93")

Cable Length: 150cm (4.92 ft)

Material: Plastic, Electronic Part

Color: Black

Net Weight: 136g

9. WARRANTY AND SUPPORT

This product is covered by a standard manufacturer's warranty against defects in materials and workmanship. For specific warranty details, please refer to the documentation provided with your purchase or contact your retailer.

For technical support, troubleshooting assistance, or to inquire about replacement parts, please contact Aexit customer service through their official website or the contact information provided by your seller.

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