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AISITIN 3.7WFountain-2024

AISITIN Solar Fountain Pump 3.7W Instruction Manual

Model: 3.7WFountain-2024

Introduction

The AISITIN 3.7W Solar Fountain Pump is designed to create a beautiful water feature in your garden, pond, bird bath, or aquarium. This pump operates solely on solar energy, providing an eco-friendly and efficient way to circulate water. It features an upgraded glass panel for enhanced solar conversion, an adjustable bracket for versatile placement, and multiple nozzle options to customize your water display.

Please read this manual carefully before use to ensure proper installation, operation, and maintenance of your solar fountain pump.

Product Components

The AISITIN Solar Fountain Pump consists of the following main components:

- **Solar Panel:** Converts sunlight into electrical energy.
- **Water Pump:** Circulates water to create the fountain effect.
- **Nozzles:** Interchangeable attachments for various spray patterns.
- **Fixed Bracket:** Adjustable arms to stabilize the fountain in a bird bath or container.



Image: Exploded view of the solar fountain pump components, including the solar panel, nozzle, water pump, and fixed bracket.

Setup Instructions

1. **Choose Location:** Place the solar fountain pump in an area that receives direct and unobstructed sunlight. The performance of the pump is directly dependent on sunlight intensity.
2. **Attach Nozzle:** Select your desired nozzle attachment and firmly connect it to the pump's outlet. The pump includes various nozzle options to create different water spray patterns and heights.
3. **Adjust Bracket (Optional):** The integrated bracket can be adjusted to different angles to fit various bird bath sizes. Extend the arms of the bracket to secure the fountain in the center of your bird bath, preventing water spillage. When not in use, the bracket can be tucked away.
4. **Place in Water:** Submerge the pump completely in water. Ensure the water depth is at least 2 inches (5 cm) to allow the pump to operate effectively and prevent damage.
5. **Initial Operation:** Once placed in direct sunlight and fully submerged, the pump will start operating immediately. There is no battery storage, so it will only work when exposed to sufficient sunlight.



Image: The AISITIN solar fountain pump installed and operating in a bird bath.



Image: Illustration of the adjustable fixed brackets for stabilizing the fountain.



Image: Step-by-step visual guide for fountain assembly and placement.

Operating Instructions

The AISITIN Solar Fountain Pump is designed for simple, automatic operation under sunlight.

- **Sunlight Dependent:** The pump operates only when the solar panel receives sufficient direct sunlight. It does not store energy in a battery, so it will stop or reduce performance in shadows, cloudy conditions, or at night.
- **Spray Height:** The height and strength of the water spray are directly proportional to the intensity of the sunlight hitting the solar panel. Stronger sunlight results in a higher spray.
- **Nozzle Customization:** You can change the spray pattern by interchanging the provided nozzles. Experiment with different nozzles to achieve your desired aesthetic and to suit the size of your water container.



Image: Examples of different spray patterns achievable with the included nozzles.



Image: The four distinct nozzle attachments provided for varied water effects.

Maintenance

Regular maintenance ensures the longevity and optimal performance of your solar fountain pump.

1. **Keep Solar Panel Clean:** Dust, dirt, and debris on the solar panel can significantly reduce its efficiency. Wipe the surface of the solar panel regularly with a soft, damp cloth to ensure maximum sunlight absorption.
2. **Change Water Regularly:** To prevent impurities from clogging the pump, change the water in your bird bath or pond frequently. Stagnant water can also lead to algae growth.
3. **Clean the Pump:** Periodically clean the pump to remove any accumulated debris, such as leaves, dirt, or algae, which can block the intake or impeller.
    - Carefully remove the pump from the water.
    - Disassemble the pump cover and impeller housing.
    - Clean the impeller and the pump's interior with a small brush or cotton swab.

- Reassemble the pump, ensuring all parts are securely in place.



Image: Visual guide for cleaning the water pump component.

Troubleshooting

If your solar fountain pump is not operating correctly, refer to the following common issues and solutions:

Problem	Possible Cause	Solution
Pump does not work	No direct sunlight or insufficient light	Place the solar panel in direct sunlight. Ensure no shadows are cast on the panel.
Weak or intermittent spray	Solar panel is dirty or partially blocked	Clean the surface of the solar panel.

Problem	Possible Cause	Solution
Weak or intermittent spray	Water level is too low	Ensure the water depth is at least 2 inches (5 cm) and the pump is fully submerged.
Pump stops working	Water pump is blocked or dirty	Clean the pump and impeller as described in the Maintenance section.



Image: Visual guide for identifying and fixing common fountain pump issues.

Specifications

Feature	Detail
Brand	AISITIN
Model Number	3.7WFountain-2024
Power Output	3.7 watts
Solar Panel Type	Glass Panel
Solar Panel Size	6.3 inches
Material	Plastic
Product Dimensions (L x W x H)	6.6" x 7" x 1.9"
Power Source	Solar Powered
Minimum Water Depth	2 inches (5 cm)
Specific Uses	Bird bath, pond, swimming pool, garden, aquarium, birdwatching

Warranty Information

Warranty information for this product is not provided in the available product data. Please refer to the product packaging or contact the retailer for details regarding warranty coverage.

Customer Support

Customer support contact information for this product is not provided in the available product data. For assistance, please refer to the retailer's support channels or visit the official AISITIN website if available.

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