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> AUTGA Solar Fountain Water Pump 1.4W Instruction Manual

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PRODUCT OVERVIEW

The AUTGA 1.4W Solar Fountain Water Pump is designed for use in bird baths, small ponds, gardens, and pools. It operates automatically when exposed to sufficient sunlight, providing a water circulation feature without the need for external power or batteries.



Image: The AUTGA 1.4W Solar Fountain Water Pump, a black circular device with solar panels and a central nozzle.

Components

- Solar Panel (integrated)
- Water Pump
- Nozzle Heads (various styles)
- Float Circle
- Anti-collision Poles (straws)

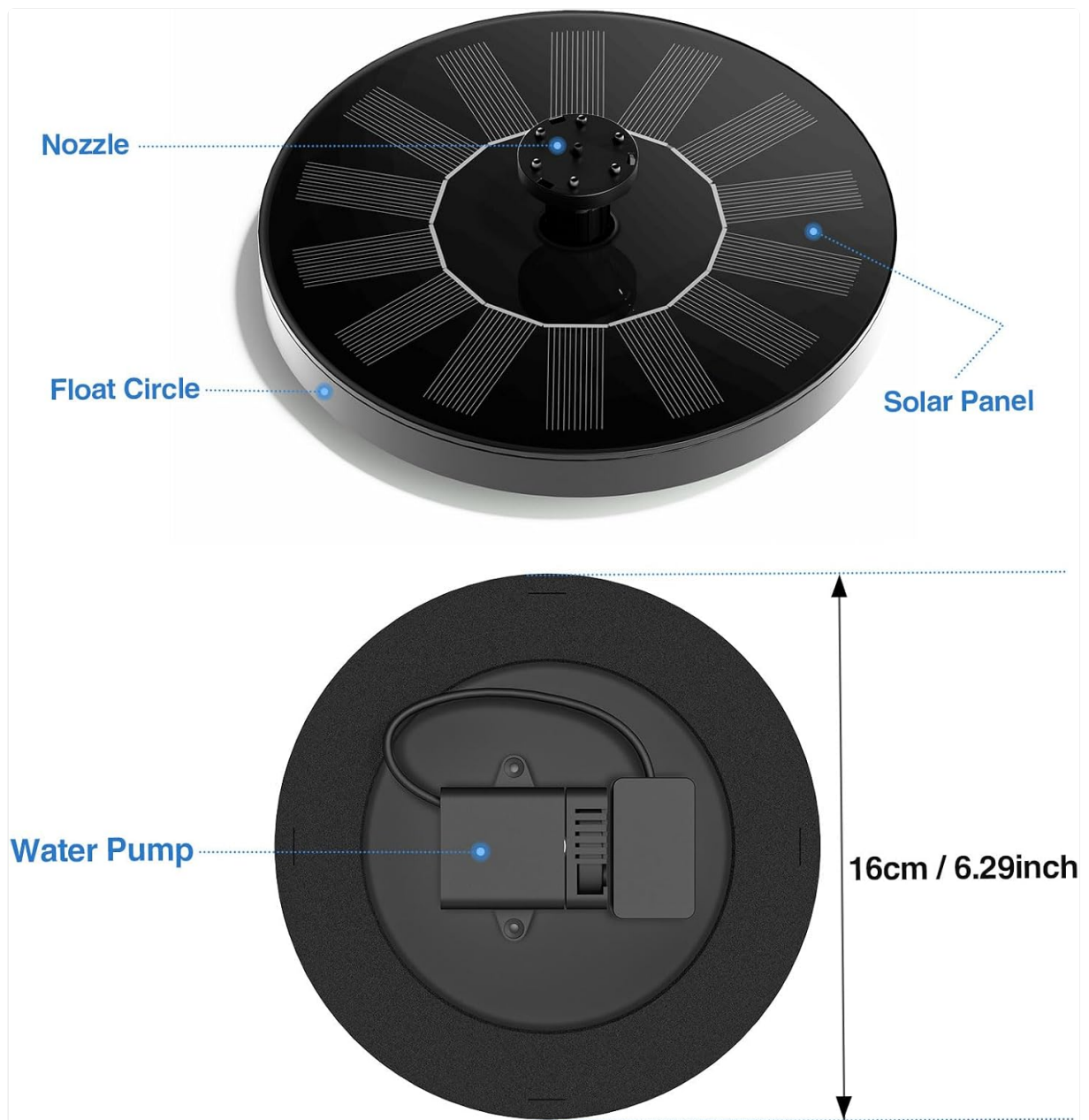


Image: A diagram illustrating the main components of the solar fountain: Nozzle, Float Circle, Solar Panel, and Water Pump, with dimensions indicating a diameter of 16cm / 6.29 inches.

SETUP INSTRUCTIONS

1. **Unpack and Inspect:** Carefully remove all components from the packaging. Ensure no parts are missing or damaged.
2. **Remove Protective Film:** Before initial use, peel off any protective film covering the solar panel surface.
3. **Attach Nozzle:** Select your desired nozzle head and firmly attach it to the pump outlet. The fountain comes with 6 different types of nozzle heads to vary the water spray pattern.
4. **Install Anti-collision Poles (Optional):** To prevent the fountain from drifting, locate the four grooves on the back of the fountain. Insert the fasteners into these grooves, then attach the transparent anti-collision poles. These poles help stabilize the fountain in larger water bodies.



Image: A four-step visual guide demonstrating how to attach the anti-collision poles to the solar fountain. Step 1 shows the grooves on the back, Step 2 shows inserting a fastener, Step 3 shows attaching a transparent pole, and Step 4 shows the fountain placed in water with poles extended.

5. **Place in Water:** Gently place the assembled solar fountain into your bird bath, pond, or pool. Ensure the pump is fully submerged and the solar panel is facing upwards, exposed to direct sunlight. The minimum water depth required for operation is 1.2 inches.

OPERATING INSTRUCTIONS

The AUTGA Solar Fountain is designed for automatic operation under direct sunlight.

- **Sunlight Activation:** The pump will start working automatically within 3 seconds when the solar panel receives sufficient direct sunlight.
- **Spray Height:** Under sunny conditions, the spray height typically ranges from 40-60 cm. In cloudy or faint sunlight, the spray height will be reduced to approximately 10-20 cm.
- **No Energy Storage:** This solar fountain does not store electrical energy. It operates directly from solar power, meaning it will only function when exposed to sunlight and will stop when sunlight is insufficient or absent.
- **Water Level Protection:** The pump is equipped with water-shortage protection and will stop working

if it leaves the water or the water level becomes too low.

Eco-friendly Design



Cloudy/Faint Sunlight
10-20CM



Sunny/Direct Sunlight
40-60CM



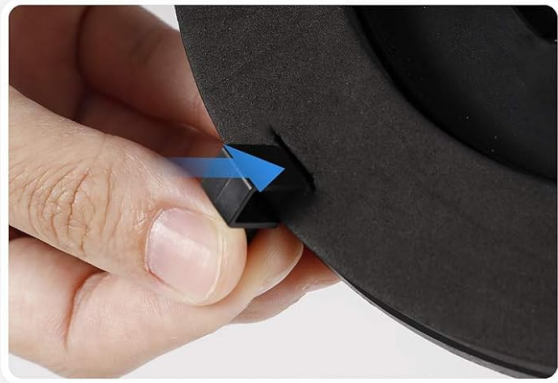
TIPS need 1.2in minimum depth to work

Image: A collage showing six different water spray patterns achievable by changing the nozzle heads on the solar fountain.

Avoid Solar Fountain Moving Randomly



step 1 Find the 4 grooves on the back of the fountain



step 2 insert the fastener into the groove



step 3 Put the transparent anti-collision pole into the fastener



step 4 Put the solar fountain into the water.

Image: A comparison of the solar fountain's spray height in cloudy/faint sunlight (10-20cm) versus sunny/direct sunlight (40-60cm), emphasizing the need for a minimum 1.2 inch water depth.

MAINTENANCE

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

- **Keep Water Clean:** Ensure the water in your bird bath or pond is clean. Impurities can clog the pump and filter.
- **Clean Filter and Rotor:** Regularly clean the filter cotton and rotor. To do this:
 - a. Remove the nozzle.
 - b. Carefully remove the water pump from the main unit.
 - c. Take out the filter cotton and clean it thoroughly.
 - d. Remove the front cover of the pump to access and clean the rotor.

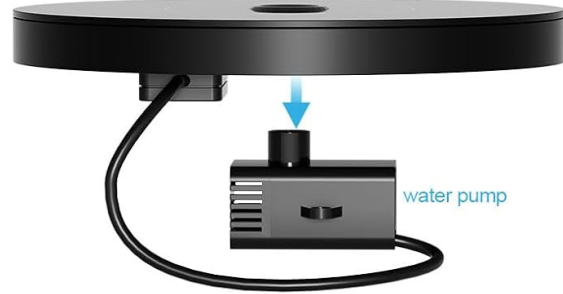
How to clean the filter cotton&rotor ?

Please regularly clean the filter, impurities in the water might cause the filter to clog and the fountain might stop working.

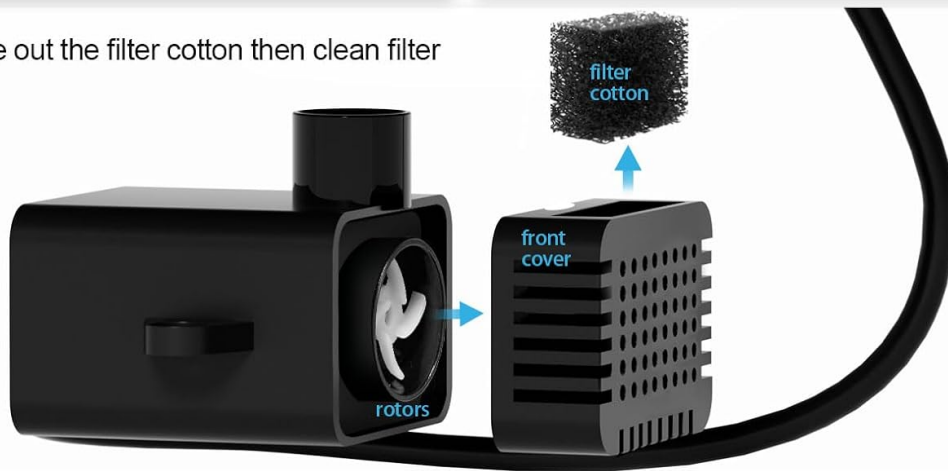
1 Remove the nozzle



2 Remove the water pump



3 Take out the filter cotton then clean filter



Upgraded Filter: Efficiently block dirt and dust to prevent blockage.

Image: A three-step visual guide demonstrating how to clean the filter cotton and rotor. Step 1 shows removing the nozzle, Step 2 shows removing the water pump, and Step 3 shows taking out the filter cotton and accessing the rotor for cleaning.

- **Clear Solar Panel:** Ensure the solar panel is free from leaves, dirt, or other debris that might block sunlight. A covered panel will prevent the fountain from functioning.
- **Maintain Water Level:** Do not allow the water level to get too low, as this can cause the pump to stop working and potentially lead to damage.

TROUBLESHOOTING

If your solar fountain is not working as expected, consider the following common issues:

Problem	Possible Cause	Solution
Fountain does not start or spray weakly	Protective film not removed from solar panel	Remove the protective film from the solar panel.
Fountain does not start or spray weakly	Insufficient sunlight	Move the fountain to an area with direct and sufficient sunlight.

Problem	Possible Cause	Solution
Fountain stops working	Solar panel is covered by leaves or debris	Clean the solar panel surface to ensure full exposure to sunlight.
Fountain stops working	Water level is too low	Add more water to ensure the pump is fully submerged.
Weak or inconsistent spray	Pump or filter is clogged	Clean the pump and filter regularly as described in the Maintenance section.

Eco-friendly Design

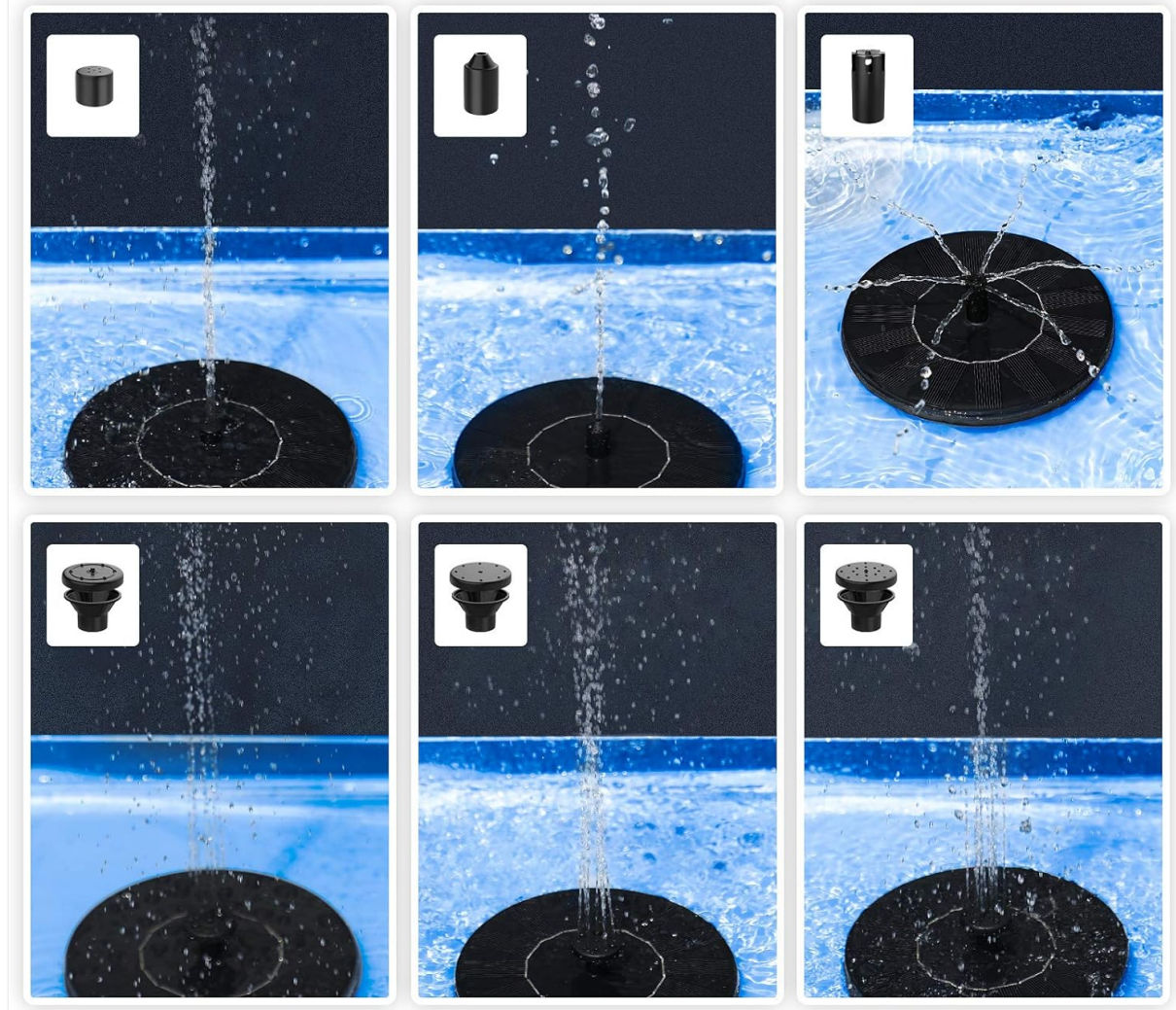


Image: A visual guide highlighting four common situations where the solar pump may not work well: protective film not removed, not enough sunshine, solar panel covered, and water level too low.

SPECIFICATIONS

- **Model:** 1.4W Solar Fountain Water Pump
- **Brand:** AUTGA
- **Power Source:** Solar Powered
- **Material:** Polyethylene terephthalate
- **Product Dimensions:** 6.73"L x 6.57"W x 1.73"H
- **Item Weight:** 0.25 Kilograms

- **Minimum Water Depth:** 1.2 inches
- **Spray Height (Sunny):** 40-60 cm
- **Spray Height (Cloudy/Faint):** 10-20 cm

WARRANTY AND SUPPORT

For information regarding product warranty, please refer to the documentation included with your purchase or contact the retailer. For technical support or further assistance, please reach out to the manufacturer or your point of purchase.