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› Aqua Joe AJYP101 Yard Patrol Motion Activated Sprinkler User Manual

Aqua Joe AJYP101

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USER MANUAL

Introduction

The Aqua Joe AJYP101 Yard Patrol Motion Activated Sprinkler is designed to deter unwanted animals from your property by harmlessly spraying them with water. This device features day and night detection modes, adjustable spray patterns, and a solar-rechargeable battery system for continuous operation. Please read this manual thoroughly before setup and operation to ensure proper use and longevity of your product.

Safety Information

- Always disconnect the water supply before performing any maintenance or adjustments.
- Do not use the sprinkler with water temperatures exceeding 104°F (40°C).
- Ensure all connections are tight to prevent leaks.
- Position the sprinkler in a stable location to prevent tipping.
- Keep children and pets away from the spray area during operation.
- Store the unit indoors during freezing temperatures to prevent damage.

Product Components

Familiarize yourself with the parts of your Aqua Joe AJYP101:

- **Sprinkler Head:** Directs water spray.
- **Motion Sensor Unit:** Detects movement and houses controls.
- **Solar Panel:** Recharges internal batteries.
- **Extension Pole:** Connects the sensor unit to the spike.
- **Step Spike:** Anchors the unit into the ground.
- **Hose Connector:** Attaches to a standard garden hose.



Figure 1: Aqua Joe AJYP101 Yard Patrol Motion Activated Sprinkler. This image displays the complete sprinkler unit, highlighting its main components including the sprinkler head, motion sensor, solar panel, and ground spike, with an inset showing the sprinkler in action.

Setup Instructions

1. **Assemble the Unit:** Connect the extension pole to the motion sensor unit and then attach the step spike to the bottom of the extension pole. Ensure all connections are secure.
2. **Initial Charge:** Before first use, allow the solar panel to charge the internal batteries for at least 24 hours in direct sunlight. The unit operates on four AAA Ni-MH solar-rechargeable batteries (included).
3. **Position the Sprinkler:** Insert the step spike firmly into the ground in the desired location. Ensure the solar panel faces upwards to receive maximum sunlight.

4. **Connect Water Supply:** Attach a standard garden hose to the hose connector at the base of the unit. Tighten securely by hand.
5. **Turn on Water:** Slowly turn on the water supply from your spigot. Check for any leaks and tighten connections if necessary.

Operating Instructions

The Aqua Joe AJYP101 offers various settings to customize its operation:

Detection and Activation Modes



Figure 2: Detection and Activation Modes. This image provides a close-up view of the control dials on the Aqua Joe AJYP101, showing settings for animal size detection and day/night operation.

- **Animal Detection Modes:** Use the dial to select the appropriate range for the animals you wish to deter:
 - **10"-16" (Small/Medium):** For smaller animals.
 - **26"-33" (Large):** For larger animals.
 - **33"-39" (All):** For comprehensive detection of all animal sizes.

- **Day and Night Detection:** Use the other dial to set when the motion sensor is active:
 - **Day Mode:** Activates only during daylight hours.
 - **Night Mode:** Activates only during nighttime hours.
 - **Both Day and Night:** Activates 24 hours a day.

Adjusting Spray Coverage



Figure 3: Choose Your Coverage. This image shows a hand adjusting the sprinkler head, illustrating how to customize the spray distance, pattern, and rotation for optimal coverage.

- **Spray Pattern:** The sprinkler can deliver water from a narrow jet to a wide mist. Adjust the nozzle on the sprinkler head to achieve the desired pattern.
- **Spray Distance:** The unit has a maximum spray distance of 42 feet. Adjust the deflector on the sprinkler head to control the distance.
- **360° Rotation:** The sprinkler head offers 360° max spray rotation. Adjust the trip levers on the sprinkler head to set the desired arc of rotation.

Auto-Spray Timer

The unit can be set to spray at regular intervals, independent of motion detection:

- Use the timer dial on the motion sensor unit to select spray intervals of 10, 20, or 30 minutes. This feature can be used for general watering or as a continuous deterrent.

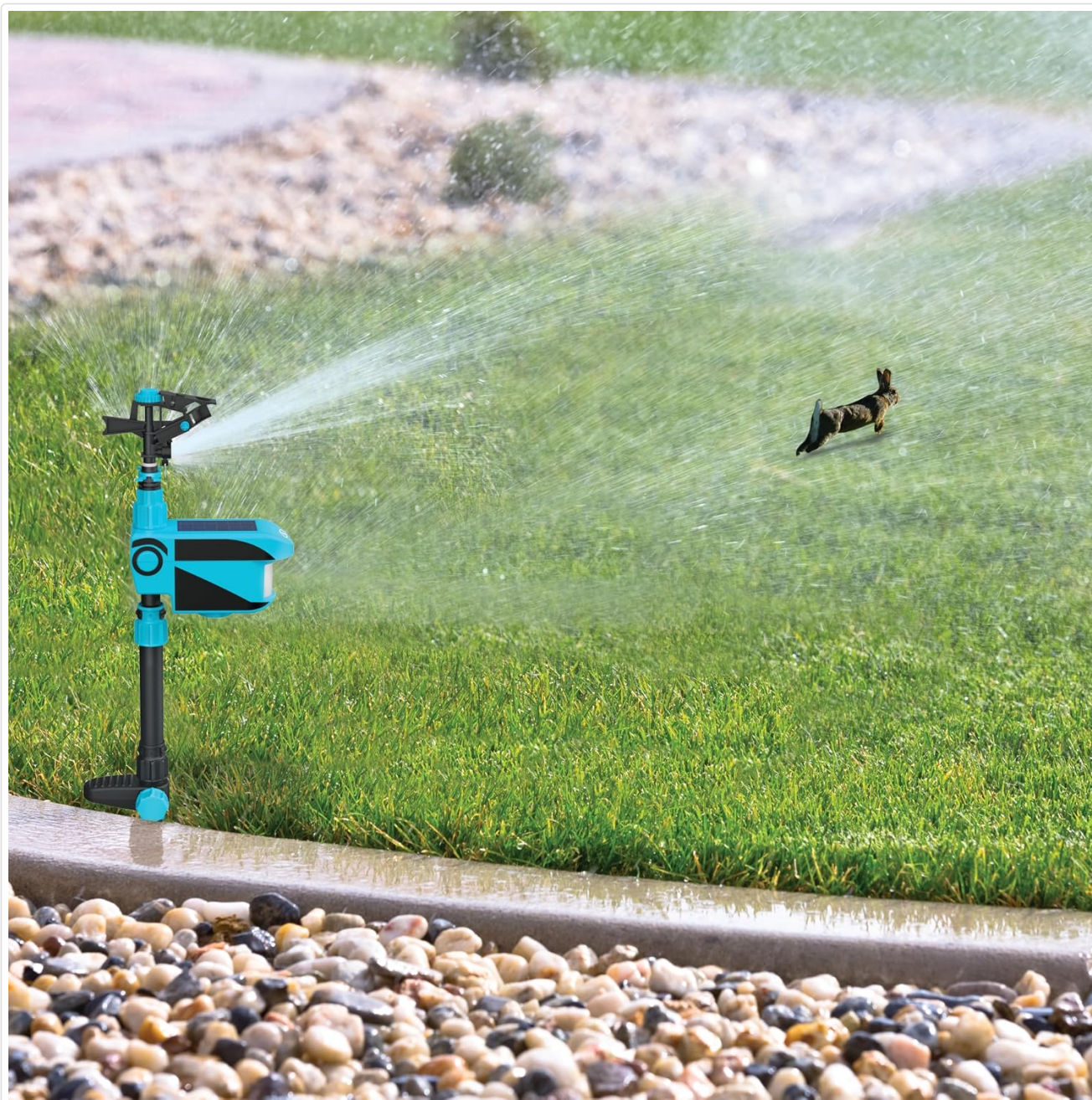


Figure 4: Sprinkler in Action. This image depicts the Aqua Joe AJYP101 sprinkler actively spraying water, demonstrating its effectiveness in deterring a rabbit from a lawn area.

Maintenance

- **Cleaning:** Periodically wipe the solar panel and motion sensor lens with a soft, damp cloth to ensure optimal performance. Do not use abrasive cleaners.
- **Battery Care:** The unit uses solar-rechargeable Ni-MH AAA batteries. If the unit is stored for an extended period, ensure it receives sunlight periodically to maintain battery charge.
- **Winterization:** Before the first frost, disconnect the water supply, drain all water from the unit, and store it indoors in a dry, frost-free location. Failure to do so will void the warranty due to potential freeze damage.

Troubleshooting

Problem	Possible Cause	Solution
Sprinkler does not spray when motion is detected.	Low battery charge; water supply off; sensor obstructed; incorrect detection mode.	Ensure solar panel receives adequate sunlight; check water connection and turn on spigot; clear any obstructions from sensor; verify detection mode settings.
Sprinkler sprays continuously or falsely activates.	Sensitivity too high; sensor detecting non-target movement (e.g., plants, wind); timer mode active.	Adjust sensitivity dial to a lower setting; reposition sprinkler to avoid false triggers; ensure timer mode is off if not desired.
Water leaks from connections.	Loose hose connection; damaged O-ring/washer.	Tighten hose connections; inspect and replace O-rings or washers if damaged.
Poor spray distance or pattern.	Low water pressure; sprinkler head adjustment.	Ensure adequate water pressure from source; adjust nozzle and deflector on sprinkler head.

Specifications

Feature	Detail
Model Number	AJYP101
Brand	Aqua Joe
Motion Sensor Field of View	120°
Max Spray Distance	42 feet
Max Coverage Area	5700 sq ft
Power Source	Solar-rechargeable (4x AAA Ni-MH batteries included)
Product Dimensions (L x W x H)	6 x 6 x 23 inches
Item Weight	2.12 pounds
Material	Plastic
UPC	842470138513

Warranty and Support

The Aqua Joe AJYP101 Yard Patrol Motion Activated Sprinkler comes with a **2-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

For technical support, replacement parts, or warranty inquiries, please contact Aqua Joe customer service. You may also refer to the official user guide PDF for additional information:

[Download Official User Guide \(PDF\)](#)

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