ISOTRONIC 60071

ISOTRONIC Aqua-Jet Solar Water Jet Animal Repeller

Model: 60071 - Instruction Manual

Introduction

The ISOTRONIC Aqua-Jet is a solar-powered animal repeller designed to deter unwanted visitors from your garden or property using a combination of a water jet and a flashing LED light. When its infrared motion sensor detects movement, it activates these deterrents to encourage animals to leave the monitored area.

This manual provides essential information for the safe and effective use of your Aqua-Jet animal repeller, including setup, operation, maintenance, and troubleshooting.

Safety Warnings

- **Initial Charge:** Fully charge the device before its first use. Charging via the DC connection takes approximately 3 hours, while solar charging takes about 6 hours. A red LED indicates charging, turning off when the battery is full.
- **Placement:** For optimal solar charging, position the device in a location that receives ample direct sunlight.
- **Sensor Obstructions:** Ensure there are no obstacles directly in front of the infrared sensor to guarantee maximum detection range and effectiveness.
- **Maintenance:** Regularly clean and inspect the sprinkler element and water connection to prevent clogging from debris or contaminants.
- **Battery Status:** Periodically check that the blue standby light is illuminated, indicating sufficient battery voltage for operation.

Product Components

Familiarize yourself with the main components of your ISOTRONIC Aqua-Jet:

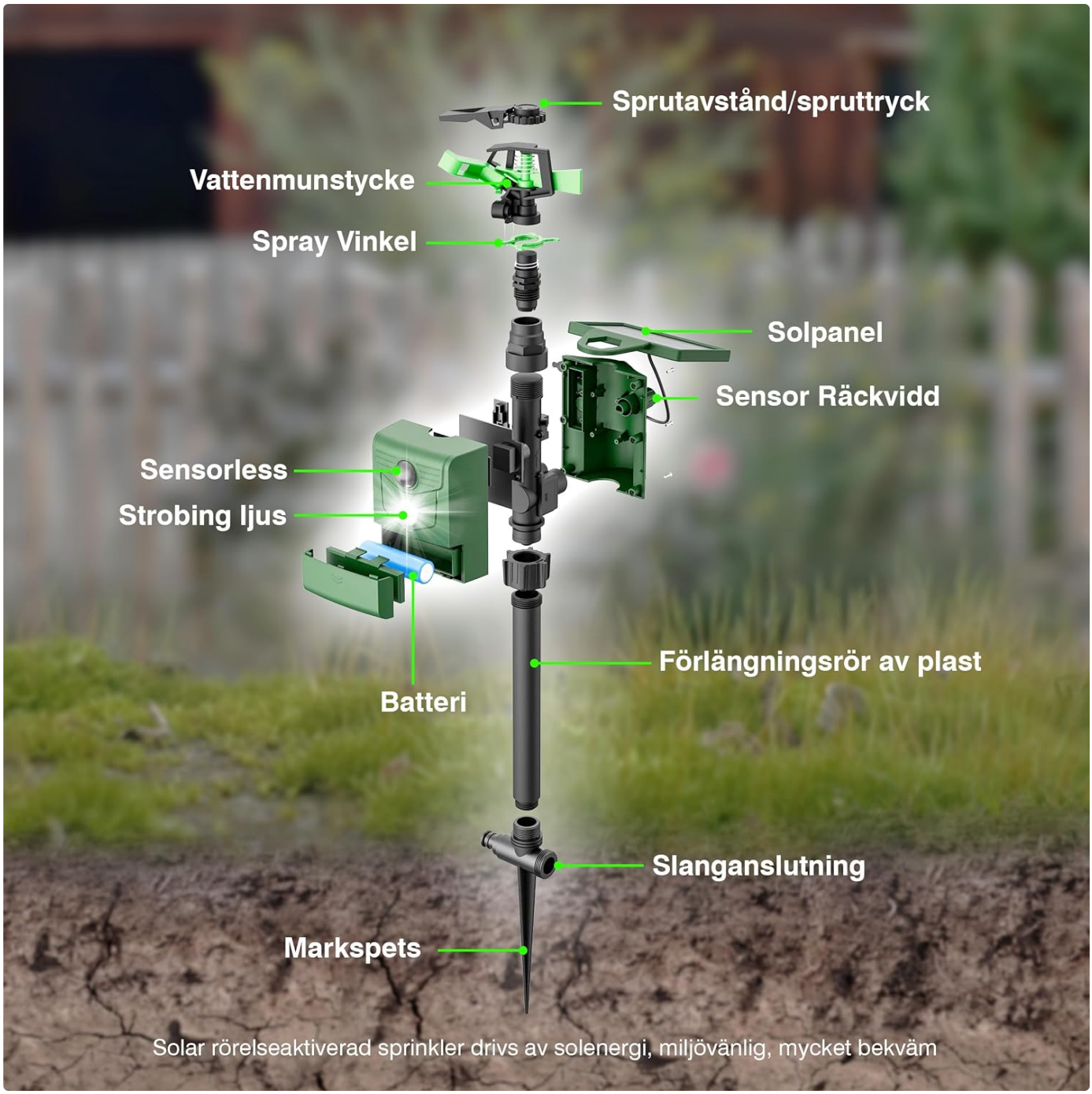


Image: Labeled components of the Aqua-Jet. This image illustrates the sprinkler head, water nozzle, spray angle adjustment, solar panel, sensor range, strobing light, battery compartment, extension tubes, hose connection, and ground spike.

- **Sprinkler Head:** Directs the water jet.
- **Water Nozzle:** Emits the water spray.
- **Spray Angle Adjustment:** Allows modification of the water spray direction.
- **Solar Panel:** Charges the internal battery using sunlight.
- **Infrared (PIR) Sensor:** Detects motion.
- **Strobing Light:** A bright LED light that flashes upon detection.
- **Battery Compartment:** Houses the rechargeable battery.
- **Extension Tubes:** Used to adjust the height of the unit.
- **Hose Connection:** Attaches to a standard garden hose.
- **Ground Spike:** Secures the unit into the ground.

Setup

Follow these steps to set up your ISOTRONIC Aqua-Jet:



Image: Step-by-step installation guide. This image shows how to assemble the sprinkler, solar panel, extension tube, and connect the water hose.

1. **Assemble Sprinkler:** Install the upper sprinkler part onto the main unit.
2. **Attach Solar Panel:** Install the solar panel and connect it to the power supply interface on the main unit.
3. **Connect Extension Tube:** Attach the extension tube(s) to achieve the desired height, then connect the main unit to the ground spike.
4. **Connect Water Hose:** Connect a standard garden hose to the hose connection at the base of the unit. Ensure a secure fit to prevent leaks.

Placement: The Aqua-Jet can be placed anywhere in your garden, such as near garden ponds or flower beds. Ensure the ground spike is firmly planted for stability. Multiple units can be connected in series for larger areas.



Image: Adjustable sensor and spray distance. This image highlights the dials for fine-tuning the detection range and water spray distance.

Adjustments: Use the adjustment dials on the unit to set the desired sensor distance and spray distance according to your needs.

Operating Instructions

Once set up and charged, the ISOTRONIC Aqua-Jet operates automatically:

- **Motion Detection:** The integrated infrared sensor detects movement within a range of 8 to 10 meters and a 110-degree angle.
- **Deterrent Activation:** Upon detecting movement, the unit releases a water jet for approximately 4-5 seconds and simultaneously triggers a strong flashing LED light.
- **Night Operation:** The blinking light feature will automatically activate in dark environments or at night, enhancing its effectiveness.
- **Battery Life:** The operational duration of the battery is influenced by the frequency of sensor triggers and the available light conditions for solar charging.



Image: Motion detector range. This image visually represents the 110-degree detection angle and up to 8-meter range of the sensor.



Image: Night operation and features. This image shows the device active at night, emphasizing its flashing light, PIR sensor activation, adjustability, and low water usage.

Maintenance

To ensure the longevity and optimal performance of your Aqua-Jet repeller, regular maintenance is recommended:

- **Cleaning:** Periodically clean the sprinkler element and the water connection points to prevent blockages from dirt, leaves, or other debris.
- **Sensor Check:** Ensure the infrared sensor lens is clean and free from obstructions to maintain its detection accuracy and range.
- **Battery Monitoring:** Observe the blue standby light to confirm the battery has sufficient charge. If the light is off or dim, ensure the unit is receiving adequate sunlight for charging or consider a DC charge if available.
- **Water Connection:** Regularly check all water connections for leaks and ensure they are securely fastened.

Troubleshooting

If your ISOTRONIC Aqua-Jet is not functioning as expected, consider the following:

- **No Activation:**
  - Check if the unit is sufficiently charged. Ensure it has been exposed to sunlight or charged via DC.
  - Verify that the sensor's path is clear of any obstructions (e.g., tall grass, branches).
  - Confirm the water supply is turned on and the hose is properly connected.
- **Weak Water Jet or No Spray:**
  - Inspect the sprinkler nozzle for clogs and clean if necessary.
  - Check the water pressure from your garden hose.
  - Ensure the water connection is tight and not leaking.
- **Unit Leaks:**
  - Tighten all connections, especially where the hose connects and where the sprinkler parts assemble.
  - Check for damaged O-rings or seals and replace if needed.
- **Unit Falls Over:**
  - Ensure the ground spike is fully inserted into firm ground.
  - If the ground is too soft, consider reinforcing the base or relocating the unit to a more stable area.

Specifications

Feature	Specification
Brand	ISOTRONIC
Model	60071
Dimensions (L x W x H)	63L x 12W x 18H cm
Material	Plastic
Power Source	Solar-powered (rechargeable battery)
Sensor Type	Infrared (PIR) Motion Detector
Detection Range	8-10 meters
Detection Angle	110 degrees
Water Resistance	IP65 (weatherproof)

Warranty and Support

ISOTRONIC has a long-standing tradition in developing and manufacturing animal repellers since 1979. The company offers multilingual technical customer service to assist with any warranty or guarantee inquiries.

For support, warranty claims, or further assistance, please refer to the contact information provided with your product packaging or visit the official ISOTRONIC website.

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Example: How do I reset this device or fix this error?

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