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› iMounTEK Solar Ultrasonic Animal Repeller Instruction Manual

## **iMounTEK Solar Ultrasonic Animal Repeller**

# **iMounTEK Solar Ultrasonic Animal Repeller Instruction Manual**

Model: Solar Ultrasonic Animal Repeller

## **INTRODUCTION**

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Thank you for choosing the iMounTEK Solar Ultrasonic Animal Repeller. This device is designed to deter various animals from your property using ultrasonic sound, flashing lights, and vibration. It features solar charging capabilities and a PIR motion sensor for efficient operation. Please read this manual carefully before use to ensure proper installation and optimal performance.



Image: The iMounTEK Solar Ultrasonic Animal Repeller installed in a garden, illustrating its effective range and the types of animals it deters.

## KEY FEATURES

- **Solar & USB Rechargeable:** Equipped with a solar panel for continuous charging and a DC port for USB charging, ensuring extended operation.
- **5 Chasing Modes:** Offers five distinct modes utilizing ultrasonic frequencies, buzz sounds, vibration, and flashing lights to repel a wide range of animals.
- **Adjustable PIR Sensing Distance:** Motion sensor detects movement from 3.28 to 32.8 feet with a 110° horizontal and 15° vertical sensing angle.
- **Wide Coverage:** Provides effective coverage up to 3229 square feet.
- **IP54 Waterproof:** Designed to withstand various weather conditions, including rain, snow, and freezing temperatures.
- **Easy Installation:** Simple assembly and placement in desired outdoor areas.

## PRODUCT STRUCTURE

Familiarize yourself with the components of your animal repeller:



Image: Detailed diagram labeling the parts of the animal repeller, such as the solar panel, LED flashing lamp, PIR sensor, ultrasonic horns, DC charging port, mode adjustment knob, sensitivity knob, mounting stake, vibration motor, and buzzer.

- **Solar Panel:** For recharging the internal batteries using sunlight.
- **LED Flashing Lamp:** Emits strong red and white light to deter animals.
- **PIR Sensor:** Passive Infrared sensor detects motion.
- **Ultrasonic Horns:** Emit high-frequency sound waves.
- **DC Charging Port:** For USB charging.
- **5 Modes Adjustment Knob:** Selects the operating mode.
- **Sensitivity Knob:** Adjusts the PIR sensing distance.
- **Mounting Stake:** For ground installation.
- **Inbuilt Vibration Motor:** Provides vibration in certain modes.
- **Inbuilt Buzzer:** Produces audible alarm sounds.

## PACKAGE CONTENTS

Ensure all parts are present before installation:

- 1 x iMounTEK Solar Ultrasonic Animal Repeller Main Unit
- 1 x Mounting Stake (multi-part assembly)
- 1 x USB Charging Cable (not explicitly mentioned but implied by USB charging)
- 1 x Instruction Manual

## SETUP AND INSTALLATION

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Follow these steps to assemble and install your animal repeller:



Image: Visual guide demonstrating the six steps for easy installation, from connecting the stake to inserting the device into the ground.

1. **Step 1:** Connect the power cable of the stake to the main body.
2. **Step 2:** Connect the stake sections together according to the marked arrow.
3. **Step 3:** Insert the assembled stake into the main body.
4. **Step 4:** Connect the power cable of the solar panel to the main body.
5. **Step 5:** Insert the solar panel assembly to the main body.
6. **Step 6:** Insert the animal repeller into the ground where it can receive sufficient sunlight for optimal performance. It is recommended to install the stake approximately 4.72 inches (12 cm) above the ground.

## OPERATING INSTRUCTIONS

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The repeller features adjustable sensitivity and multiple operating modes.

### Adjusting Sensitivity

Rotate the "Sensitivity" knob clockwise to turn on the sensing mode and adjust the PIR sensing distance. The distance can be adjusted steplessly from 3.28 feet (1 meter) to 32.8 feet (10 meters).

### Selecting Operating Modes

Simply rotate the "Frequency" knob to switch between the five different repelling modes:



Image: A visual guide to the 5 operation modes, showing the frequency settings and the animals each mode is designed to repel.

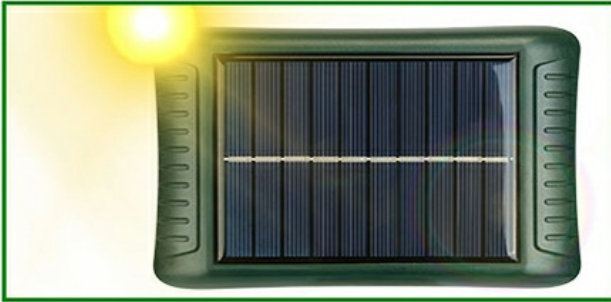
- **Mode 1:** 13.5kHz-19.5kHz ultrasonic speakers working. Deters rats, foxes, ferrets, etc.
- **Mode 2:** 19.5kHz-28.5kHz ultrasonic speakers working. Deters raccoons, badgers, skunks, etc.
- **Mode 3:** 400Hz-1000Hz buzz sound alarm & vibration working. Simulates sounds to deter snakes, rats, and similar animals.
- **Mode 4:** Strong Red & White LED alternately flashing and harsh sound (chirp). Deters raccoons, birds, wild boars, crickets, etc.
- **Mode 5:** Circularly works through modes 1 to 4. Deters all animals with variable frequency voice/buzz sound and strong LED flashing.

## CHARGING METHODS

The animal repeller offers two convenient charging options:

## Two Charging Methods

Recommend to plug in 5V/0.5A or 5V/1A port for USB charging. Do not use fast charger.



Solar Charging (Prolong working time in daily use)



USB Charging (3-4Hrs fully charged)



## IP54 Waterproof

Can keep working safely in rainy, snowy or freezing weather conditions

Image: Illustrations of the solar panel for solar charging and the DC charging port for USB charging, highlighting the two power methods.

- **Solar Charging:** The top solar panel recharges the built-in 3x AA rechargeable batteries (total 2400mAh capacity) during daylight hours, prolonging daily working time.
- **USB Charging:** For faster charging or during periods of low sunlight, connect a 5V/0.5A or 5V/1A USB power adapter to the DC charging port. A full charge typically takes 3-4 hours and provides approximately 7-10 days of working time. **Do not use a fast charger.**

## MAINTENANCE

- **Cleaning:** Wipe the solar panel and the device body periodically with a soft, damp cloth to remove dirt and debris. Ensure the solar panel is clean for efficient charging.
- **Weather Resistance:** The device is IP54 waterproof, allowing it to operate safely in rain, snow, or freezing weather. However, avoid submerging the device in water.
- **Battery Care:** For optimal battery life, ensure the device receives adequate sunlight or is charged via USB regularly. If storing for an extended period, fully charge the device and store it in a cool, dry place.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Device not turning on or working.	Low battery charge. Insufficient sunlight.	Charge the device via USB for 3-4 hours. Relocate to an area with more direct sunlight.
Animals are not being repelled.	Incorrect mode selected. Sensitivity too low. Device placement.	Adjust the "Frequency" knob to a different mode. Increase the "Sensitivity" knob setting. Ensure the device is facing the area where animals enter and is not obstructed.

Problem	Possible Cause	Solution
PIR sensor not detecting motion.	Sensitivity too low. Obstruction in front of sensor.	Increase sensitivity. Clear any foliage or objects blocking the sensor's view.
Short operating time after charging.	Battery degradation. Insufficient charge.	Ensure full USB charge. If problem persists after extended use, battery may need replacement (contact support).

## SPECIFICATIONS

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- **Brand:** iMounTEK
- **Model:** Solar Ultrasonic Animal Repeller
- **Power Source:** Solar panel, USB (3x AA rechargeable batteries, 2400mAh total)
- **PIR Sensing Distance:** 3.28 - 32.8 ft (1 - 10 m) steplessly adjustable
- **PIR Sensing Angle:** 110° horizontal, 15° vertical
- **Coverage Area:** Up to 3229 sq.ft
- **Ultrasonic Frequency Range:** 13.5kHz - 28.5kHz
- **Audible Frequency Range:** 400Hz - 1000Hz
- **Waterproof Rating:** IP54
- **USB Charging Input:** 5V/0.5A or 5V/1A
- **Full Charge Time (USB):** 3-4 hours
- **Operating Time (Full Charge):** 7-10 days
- **Dimensions (Approx.):** Main unit: 6.1 x 4.13 x 7.28 inches (15.5 x 10.5 x 18.5 cm); Total height with stake: 16.93 inches (43 cm)

## SAFETY PRECAUTIONS

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- Do not immerse the device in water.
- Keep out of reach of children.
- Do not block the PIR sensor or ultrasonic speakers.
- Avoid pointing the device directly at human or pet ears for extended periods, especially in audible modes.
- Use only recommended USB charging adapters (5V/0.5A or 5V/1A).
- Dispose of batteries and the device according to local regulations.

## WARRANTY AND SUPPORT

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iMounTEK products are designed for reliability and performance. For specific warranty information, please refer to the documentation included with your purchase or contact our customer support.

If you encounter any issues or have questions regarding your iMounTEK Solar Ultrasonic Animal Repeller, please contact our customer support team for assistance. Our team is available to help with troubleshooting, product inquiries, and any other support needs.

**Customer Support:** Please visit the iMounTEK official website or refer to your purchase platform for contact details.

