

## GRUNDIG 262153029

# GRUNDIG Ultrasonic Solar Animal Repeller User Manual

Model: 262153029

## 1. INTRODUCTION

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The GRUNDIG Ultrasonic Solar Animal Repeller is designed to deter various animals from your garden or outdoor areas using ultrasonic sounds and flashing LED lights. This device operates on solar power, charging its internal Ni-MH batteries during daylight hours. It features an adjustable motion sensor, two frequency modes for different animal types, and is splash-proof for outdoor use.

Please read this manual carefully before using the device to ensure proper installation, operation, and maintenance.

## 2. SAFETY INFORMATION

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- Keep the device out of reach of children.
- Do not immerse the device in water. While splash-proof, it is not waterproof and should be protected from heavy or prolonged rain.
- Do not open the device casing, except for battery replacement. Tampering with the internal components may void the warranty and pose a safety risk.
- Use only the specified Ni-MH rechargeable batteries. Do not mix old and new batteries or different types of batteries.
- Position the device away from areas where pets or domestic animals frequently rest, as the ultrasonic sounds may cause discomfort.
- The ultrasonic sounds are generally safe for humans, but prolonged exposure at very close range may be mildly irritating to some individuals.

## 3. PACKAGE CONTENTS

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Ensure all components are present and in good condition:

- 1 x GRUNDIG Ultrasonic Solar Animal Repeller Head Unit
- 1 x Ground Stake (pointed section)
- 1 x Extension Tube (for adjustable height)
- Rechargeable Ni-MH Batteries (pre-installed or separate)



Image: Components of the repeller, including the main unit, ground stake, and extension tube.

## 4. PRODUCT OVERVIEW

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Familiarize yourself with the main parts of the repeller:

- **Solar Panel:** Located on top, charges the internal batteries.
- **Motion Sensor (PIR):** Detects movement within its range.
- **Ultrasonic Speaker:** Emits high-frequency sounds.
- **LED Lights:** Flash to deter animals, especially at night.
- **Frequency Adjustment Dial:** Selects the ultrasonic frequency mode.
- **Sensitivity Adjustment Dial:** Adjusts the motion sensor's detection range.
- **ON/OFF Switch:** Powers the device on or off.
- **Battery Compartment:** Houses the Ni-MH rechargeable batteries.
- **Ground Stake:** For mounting the device into the ground.





Image: Assembled repeller unit, showing the solar panel, motion sensor, and speaker grille.



Image: Top view of the repeller, highlighting the solar panel for charging.

## 5. SETUP

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### 5.1 Assembly

1. Carefully remove all components from the packaging.
2. Attach the extension tube to the pointed ground stake.
3. Connect the main repeller head unit to the top of the extension tube. Ensure a secure fit.

### 5.2 Initial Charge & Battery Installation

The device uses rechargeable Ni-MH batteries. These may be pre-installed or require installation.

1. Locate the battery compartment on the underside of the repeller head unit.
2. If batteries are not installed, insert the Ni-MH batteries (AA, 1.2V) according to the polarity markings (+/-).
3. Close the battery compartment securely.
4. Before first use, place the repeller in direct sunlight for at least 8 hours to allow the batteries to fully charge. The solar panel will charge the batteries automatically during daylight.



Image: View of the battery compartment with Ni-MH batteries installed.

### 5.3 Placement

Optimal placement is crucial for effective operation:

- Choose a location in your garden or outdoor area that receives ample direct sunlight throughout the day to ensure continuous battery charging.
- Insert the assembled repeller firmly into the ground. Ensure the repeller head is positioned so the motion sensor has a clear line of sight to the area you wish to protect.
- The device has a detection range of 5-8 meters and a 120° angle, covering approximately 40 m<sup>2</sup>. For larger areas, multiple units may be required.
- Avoid placing the device behind large obstacles (walls, dense bushes) that could block the motion sensor or solar panel.
- While splash-proof, protect the device from permanent and heavy rain by placing it under a slight overhang if possible, or consider temporary relocation during severe weather.



Image: Repeller installed in a garden setting, demonstrating typical placement.

## 6. OPERATING INSTRUCTIONS

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### 6.1 Powering On/Off

Locate the ON/OFF switch on the device. Slide it to the "ON" position to activate the repeller. Slide to "OFF" to deactivate.

### 6.2 Frequency Adjustment

The repeller offers two frequency modes (13 KHz – 60 KHz) to target different animal species. Adjust the frequency dial according to the animals you wish to deter:

- **Mode 1 (Lower Frequency):** Generally effective for larger animals like dogs, foxes, raccoons.
- **Mode 2 (Higher Frequency):** More effective for smaller animals such as cats, mice, and martens.

Experiment with both modes to find the most effective setting for your specific pest problem.

### 6.3 Motion Sensor Sensitivity

The sensitivity dial allows you to adjust the detection range of the motion sensor:

- Turn the dial clockwise to increase sensitivity and detection range (up to 8 meters).
- Turn the dial counter-clockwise to decrease sensitivity and detection range.

Adjust sensitivity to avoid false triggers from small movements (e.g., leaves blowing) or to focus on a specific area.

## 6.4 LED Lights

The device is equipped with 4 LED lights and a twilight sensor. At night, when motion is detected, these LEDs will flash, providing an additional visual deterrent to complement the ultrasonic sounds.

## 7. MAINTENANCE

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### 7.1 Cleaning

- Regularly wipe the solar panel with a soft, damp cloth to remove dust, dirt, or debris. A clean solar panel ensures efficient charging.
- Keep the motion sensor lens clear of obstructions for optimal detection.
- Do not use abrasive cleaners or solvents on any part of the device.

### 7.2 Battery Replacement

The Ni-MH batteries are replaceable. If the device's performance diminishes over time, or if it stops working despite adequate sunlight, the batteries may need replacement.

1. Turn the device OFF.
2. Open the battery compartment.
3. Remove the old Ni-MH (AA, 1.2V) batteries and dispose of them responsibly according to local regulations.
4. Insert new, fully charged Ni-MH (AA, 1.2V) batteries, ensuring correct polarity.
5. Close the battery compartment securely.
6. Allow the device to charge in direct sunlight for a full day before resuming normal operation.

### 7.3 Weather Protection

Although the device is splash-proof, it is recommended to protect it from extreme weather conditions such as heavy rain, hail, or prolonged freezing temperatures to extend its lifespan.

## 8. TROUBLESHOOTING

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Problem	Possible Cause	Solution
Device does not turn on or activate.	<ul style="list-style-type: none"> <li>• ON/OFF switch is in "OFF" position.</li> <li>• Insufficient battery charge.</li> <li>• Batteries are old or faulty.</li> </ul>	<ul style="list-style-type: none"> <li>• Ensure switch is "ON".</li> <li>• Place in direct sunlight for at least 8 hours to charge.</li> <li>• Replace batteries with new Ni-MH (AA, 1.2V) batteries.</li> </ul>

Problem	Possible Cause	Solution
Device activates too frequently or not at all.	<ul style="list-style-type: none"> <li>• Sensitivity setting is too high/low.</li> <li>• Motion sensor is obstructed or dirty.</li> <li>• Device is placed too close to moving objects (e.g., trees, bushes).</li> </ul>	<ul style="list-style-type: none"> <li>• Adjust the sensitivity dial.</li> <li>• Clean the motion sensor lens.</li> <li>• Relocate the device to an area with fewer obstructions or unwanted movements.</li> </ul>
Animals are not deterred.	<ul style="list-style-type: none"> <li>• Incorrect frequency mode selected.</li> <li>• Device placement is ineffective.</li> <li>• Animals may be accustomed to the sound.</li> </ul>	<ul style="list-style-type: none"> <li>• Try adjusting the frequency mode.</li> <li>• Ensure the device covers the target area effectively. Consider adding more units for larger areas.</li> <li>• Relocate the device periodically or try a different frequency setting.</li> </ul>
Water inside the solar panel.	<ul style="list-style-type: none"> <li>• Exposure to heavy or prolonged rain.</li> <li>• Seal integrity compromised.</li> </ul>	<ul style="list-style-type: none"> <li>• While splash-proof, the device is not fully waterproof. Protect it from heavy rain.</li> <li>• If water ingress persists, the unit may be faulty. Contact customer support.</li> </ul>

## 9. SPECIFICATIONS

<b>Brand</b>	GRUNDIG
<b>Model Number</b>	262153029
<b>Color</b>	Green
<b>Material</b>	Plastic
<b>Dimensions (L x W x H)</b>	12.9 x 12.8 x 35.2 cm (assembled)
<b>Item Weight</b>	266 Grams
<b>Power Source</b>	Solar-powered with Ni-MH (AA, 1.2V) rechargeable batteries
<b>Ultrasonic Frequency Range</b>	13 KHz – 60 KHz (Adjustable)
<b>Motion Sensor Detection Angle</b>	120°
<b>Motion Sensor Detection Range</b>	5 – 8 meters (Adjustable)
<b>Coverage Area</b>	Approx. 40 m <sup>2</sup>
<b>Sound Pressure Level</b>	90 dB (at close range)

<b>Features</b>	Solar charging, Replaceable Ni-MH batteries, Motion sensor, 2 Frequency modes, 4 Flashing LEDs with twilight sensor, Splash-proof design
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## 10. WARRANTY AND SUPPORT

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For warranty information, product support, or service inquiries, please refer to the documentation provided with your purchase or contact your retailer directly. Keep your proof of purchase for any warranty claims.