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› Wuloo Solar Driveway Alarm System WUL-MTY0102-1T2 Instruction Manual

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Wuloo Solar Driveway Alarm System WUL-MTY0102-1T2 Instruction Manual

Model: WUL-MTY0102-1T2

INTRODUCTION

The Wuloo Solar Driveway Alarm System is designed to provide reliable outdoor motion detection and alerts for your property. This wireless, weatherproof system features solar-powered sensors and a versatile receiver, offering enhanced security and convenience. This manual will guide you through the setup, operation, and maintenance of your new alarm system.

Key Features:

- **Advanced Sensor Technology:** Features 4 distinct work modes, adjustable light and alarm sound, and a rechargeable battery powered by a solar panel for up to 24 months of operation on a full charge.
- **Customizable Receiver:** Offers 16 adjustable chimes, including unique melodies for different sensors, and 4 volume levels (including mute).
- **Easy Installation:** Designed for quick setup, allowing you to place sensors strategically and customize alerts.
- **Extended Range & Durability:** Provides a reliable 1/3-mile wireless transmission range and is built to withstand various weather conditions.
- **Expandable System:** Easily add up to 8 sensors and multiple receivers to expand your detection coverage.

PACKAGE CONTENTS

Before installation, please verify that all components are present in your package:

Package Include

**2 outdoor unit
& 1 indoor unit**



Image: Package contents including two sensors, one receiver, mounting hardware, charging cable, and screwdriver.

- 2 x Wuloo Solar Motion Sensors
- 1 x Wuloo Receiver
- 2 x Mounting Screws
- 2 x Wall Anchors
- 1 x Type-C USB Charging Cable (Power adapter not included)
- 1 x Screwdriver
- 1 x User Manual (This document)

PRODUCT OVERVIEW

Sensor Features:

Sensor



3 Level Sensitivity Setting

The higher the sensitivity, the more the sensor can detect movements that are smaller or farther away.

ON/OFF button:

press & hold the button for 3 seconds to TURN ON or TURN OFF the sensor.

Melody setting:

press the button to choose a different melody. There are 12 different melodies available.

Work mode setting:

4 different work modes. Includes light flash and alarm sound, light flash only, alarm sound only, and mute (no sound no flash).

Charge the sensor:

Please use the equipped cable to charge the sensor (use DC5V adapter, adapter not included).



Solar pannel

Ball-joint-- Angle adjustment.

Image: Close-up of the sensor, highlighting its components and controls.

- **Solar Panel:** Charges the internal rechargeable battery.
- **Sensitivity Setting:** 3 levels (L/M/H) to adjust detection range and reduce false alarms.
- **ON/OFF Button:** Press and hold for 3 seconds to power the sensor on or off.
- **Melody Setting:** Press to cycle through 12 different melodies for the sensor's local alarm.
- **Work Mode Setting:** Select from 4 modes: light flash and alarm sound, light flash only, alarm sound only, or mute (no sound, no flash).
- **USB-C Charging Port:** For initial charging or supplemental charging using a DC5V adapter (not included).
- **Ball-Joint:** Allows for flexible angle adjustment during mounting.

Receiver Features:

Receiver

Melody setting button:

The receiver has a total of 16 ringtones to choose from; you need to enter pairing mode if you want to set different melodies for different sensors.

Volume Button:

4 volume levels (including mute).
Press the PAIR & Volume button at the same time to clear the pairing history, and you will hear "pairing cleared." After pairing, press the Volume button to complete the pairing, you can also wait for 5 seconds to complete pairing automatically.



PAIRED button:

Press & hold the button to hear the "welcome" prompt sound to enter pairing.
Short press to select the channel when pairing mode.

Image: Close-up of the receiver, highlighting its buttons and functions.

- **Melody Setting Button:** Cycles through 16 ringtones. Used in pairing mode to assign specific melodies to different sensors.
- **Volume Button:** Adjusts the receiver's volume across 4 levels, including a mute option.
- **PAIR Button:** Press and hold to enter pairing mode (indicated by a "welcome" prompt). Short press to select the channel during pairing.
- **PAIR & Volume Button (simultaneous press):** Clears all existing pairing history.

SETUP AND INSTALLATION

1. Initial Sensor Charging:

Before first use, fully charge the sensors using the provided Type-C USB cable and a DC5V adapter (not included). The solar panel will maintain the charge during outdoor use.

2. Receiver Placement:

Plug the receiver into a standard wall outlet indoors, preferably in a central location where you can easily hear the alerts. Ensure it is within the 1/3-mile transmission range of your sensors.

3. Sensor Mounting:

Choose a suitable outdoor location for each sensor, such as a driveway, walking path, or near a garage/front door. Mount the sensor using the provided screws and anchors. Ensure the solar panel faces upwards to receive direct sunlight. Adjust the ball-joint to aim the motion detection lens towards the desired detection area. The detection range is up to 25 feet.



Image: Examples of sensor placement in different outdoor environments.

Great Signal Range

1. 1/3 Mile, signal transmission range between sensor and receiver

2. 30ft detect range

3. 3 level sensitivity adjustable



Image: Illustration of signal and detection ranges.

4. Pairing Sensors with Receiver:

For initial setup or adding new sensors:

- First, clear any previous pairing history on the receiver by pressing the **PAIR** and **Volume** buttons simultaneously. You will hear "pairing cleared."
- On the receiver, press and hold the **PAIR** button until you hear a "welcome" prompt, indicating it's in pairing mode.
- Trigger the sensor you wish to pair (e.g., by waving your hand in front of it). The receiver will register the sensor.
- While the receiver is still in pairing mode, short press the **PAIR** button to select a channel for this sensor (e.g., Sensor 1, Sensor 2).
- To assign a specific melody for this sensor, press the **Melody Setting** button on the receiver while it's still in pairing mode for that channel.
- Wait for 5 seconds for the pairing process to complete automatically. Repeat for additional sensors.

5. Adjusting Sensor Sensitivity:

The sensor has 3 sensitivity levels (L/M/H). Adjust this setting to optimize detection and minimize false alarms from small animals or environmental factors like leaves. Higher sensitivity detects smaller movements or objects further away.

OPERATING INSTRUCTIONS

Sensor Operation:

- **Power ON/OFF:** Press and hold the ON/OFF button on the sensor for 3 seconds.
- **Work Modes:** Cycle through the 4 available work modes by pressing the dedicated button on the sensor:
 - Light flash and alarm sound
 - Light flash only
 - Alarm sound only (e.g., barking dog sound)
 - Mute (no sound, no flash)
- **Sensor Melody:** Press the melody button on the sensor to change its local alarm sound (12 options, including dog barking and gunshot sounds).

Receiver Operation:

- **Volume Adjustment:** Press the Volume button to cycle through 4 volume levels (including mute).
- **Chime Selection:** Press the Melody Setting button to change the chime played by the receiver. There are 16 chimes available. During pairing, you can assign a unique chime to each sensor.

A Huge Upgrade

Compare with similar products, we made a huge upgrade for our product.



Sensor

Solar pannel with rechargeable battery

4 work mode adjustable for sensor. light flash and alarm sound, light flash only, alarm sound only, and mute (no sound no flash)

Add customized melodies like "dog bark", "shooting sound", etc

Sensitivity adjustable

Waterproof that can work well in the rainy day

UPGRADE



Receiver

Set different chime for different sensors;

Customized melodies like "sensor one, sensor two..." as other customers' suggestions;

Add prompt sounds like "turn on", "turn off", "pairing finished" and "pairing cleared"

Image: Overview of system upgrades and features.

Expanding Your System:

The Wuloo system is expandable. You can add more sensors (up to 8) to cover larger areas or additional entry points. You can also add multiple receivers to hear alerts in different rooms of your home or property. Follow the pairing instructions in the Setup section for each new component.

Easily Expandable

You can add more sensors to build a larger detection range, and you can also add more receivers if you want to hear the alarm in other rooms.

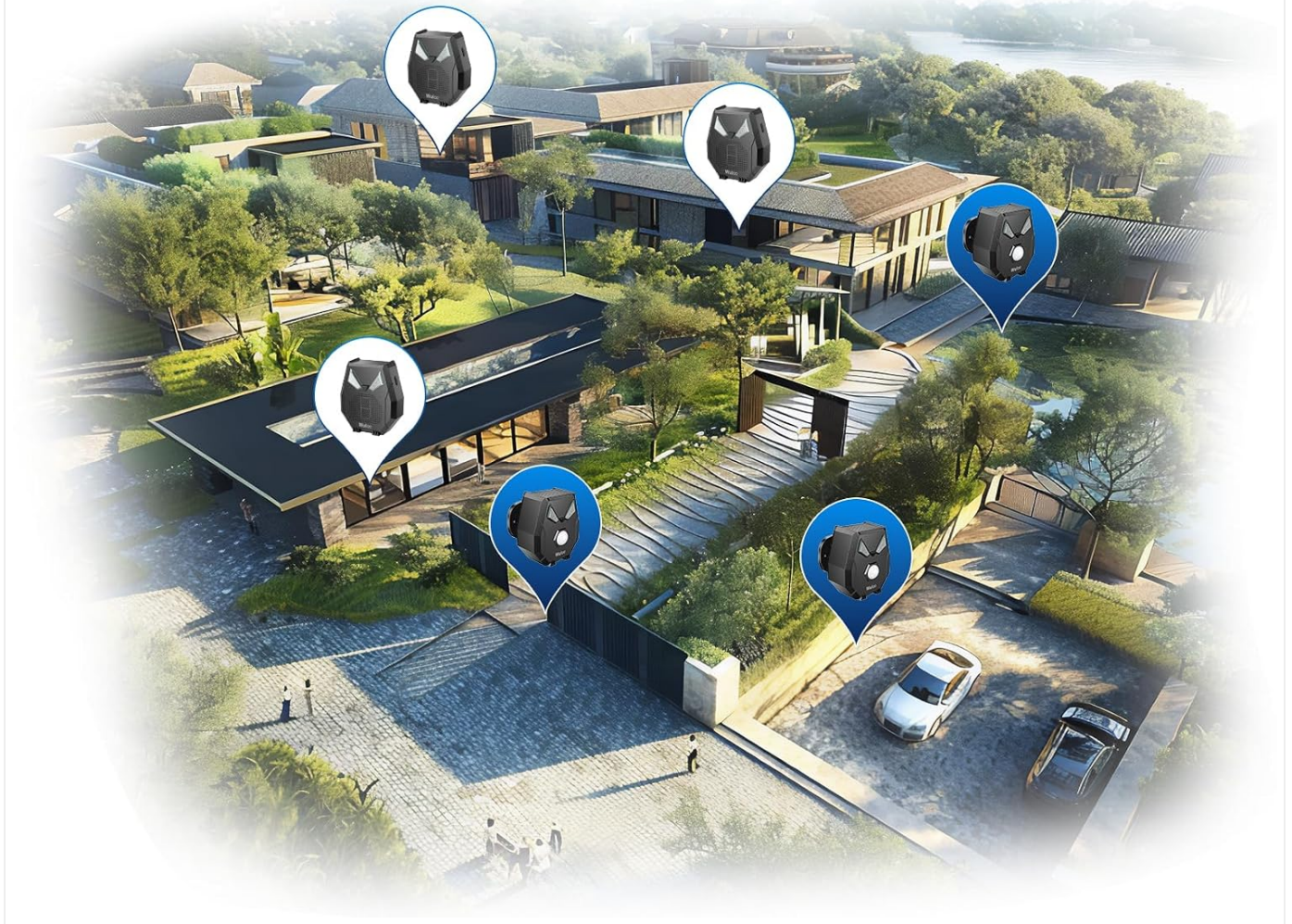


Image: Illustration of an expandable system with multiple sensors.

MAINTENANCE

- **Solar Panel Cleaning:** Periodically wipe the solar panel on the sensors with a soft, damp cloth to ensure optimal charging efficiency. Dust, dirt, or debris can reduce its effectiveness.
- **Battery Life:** The sensors are equipped with rechargeable batteries designed to last up to 24 months on a full charge, supplemented by solar power. If sensors are placed in areas with minimal sunlight, occasional manual charging via the USB-C port may be necessary.
- **Weather Resistance:** The sensors are designed to be weatherproof. However, ensure they are securely mounted and that the USB-C port cover is properly sealed to prevent water ingress.



Image: Sensor's solar charging and weatherproof capabilities.

TROUBLESHOOTING

Problem	Possible Cause	Solution
False Alarms	High sensitivity setting; small animals, moving foliage, or strong winds triggering the sensor.	Adjust the sensor's sensitivity to a lower setting (L or M). Ensure the sensor is not aimed at moving branches or objects.
No Alerts from Sensor	Sensor is off; low battery; out of range; sensor not paired; obstruction.	Ensure sensor is ON. Charge the sensor. Verify receiver is within 1/3-mile range. Re-pair the sensor with the receiver. Check for obstructions blocking the sensor's view or signal.

Problem	Possible Cause	Solution
Receiver Not Responding	Not plugged in; power outage; pairing issue.	Ensure receiver is securely plugged into a working outlet. Check household power. Clear pairing history and re-pair sensors.
Difficulty Pairing	Previous pairing data interfering; incorrect pairing steps.	Clear all pairing history on the receiver (press PAIR and Volume simultaneously). Ensure sensors and receiver are close during pairing. Follow pairing steps carefully.
Water Inside Sensor	Improper sealing of USB-C port cover; extreme weather conditions; manufacturing defect.	Ensure the USB-C port cover is always securely closed. While designed to be weatherproof, extreme conditions can sometimes challenge seals. If persistent, contact customer support.

SPECIFICATIONS

Feature	Detail
Brand	Wuloo
Model Number	WUL-MTY0102-1T2
Color	Black
Power Source (Sensor)	Solar Powered (with rechargeable Lithium Polymer battery)
Battery Life (Sensor)	Up to 24 months on a full charge
Detection Range (Sensor)	Up to 25 Feet
Transmission Range (Sensor to Receiver)	Up to 1/3 Mile (approx. 536 meters) in open area
Mounting Type	Wall Mount
Item Weight	0.54 Kilograms (total package)
Temperature Range	-20 Degrees Celsius (approx. -4 Fahrenheit)
Compatible Devices	Light, Fan, Smart Home Hubs, Security Systems (via alerts)
Receiver Chimes	16 adjustable melodies
Sensor Melodies	12 adjustable melodies (including dog barking, gunshot)
Expandability	Supports up to 8 sensors and multiple receivers

WARRANTY AND SUPPORT

For detailed warranty information, product registration, or technical support, please refer to the official Wuloo website or the contact information provided on your product packaging. Keep your purchase receipt for warranty claims.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

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

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question