

Wuloo WUL-MTY0102-1T1

Wuloo Solar Driveway Alarm System User Manual

Model: WUL-MTY0102-1T1

Brand: Wuloo

1. INTRODUCTION

Thank you for choosing the Wuloo Solar Driveway Alarm System. This wireless, weatherproof motion sensor and receiver system is designed to provide reliable alerts for activity in your driveway, walking path, garage, or other outdoor areas. Featuring solar charging, a long-range signal, and adjustable settings, this system offers enhanced security and convenience for your property. Please read this manual carefully before installation and operation to ensure optimal performance and longevity of your device.

2. PRODUCT OVERVIEW

The Wuloo Solar Driveway Alarm System includes a solar-powered motion sensor and an indoor receiver. This section details the components and their key features.

2.1 Package Contents

- 1 x Solar Motion Sensor
- 1 x Indoor Receiver
- Mounting Screws and Anchors
- 1 x Type-C Charging Cable (for initial charging if needed)
- 1 x Screwdriver
- 1 x User Manual

Package Include

**1 outdoor unit
& 1 indoor unit**



Figure 2.1: Included Components and Dimensions

2.2 System Components

Solar Motion Sensor

Power Source: Solar panel with rechargeable Lithium Polymer (LiPo) battery.

Work Modes: 4 modes (Light & Alarm, Light Only, Alarm Only, Mute).

Sensitivity: 3-level adjustable sensitivity to minimize false alarms.

Weatherproof: Designed to operate effectively in rain or snow.

Melodies: 12 different melodies available.

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.

Figure 2.2: Solar Motion Sensor Features

Indoor Receiver

Chimes: 16 adjustable chimes, allowing different chimes for multiple sensors.

Volume: 4 adjustable volume levels, including a mute option.

Pairing: Easy pairing process with sensors.

Prompt Sounds: Includes 'turn on', 'turn off', 'pairing finished', and 'pairing cleared' prompts.

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.

Figure 2.3: Indoor Receiver Features



Figure 2.4: Wuloo Solar Driveway Alarm System (Sensor and Receiver)

3. SETUP AND INSTALLATION

This section provides instructions for setting up and installing your Wuloo Solar Driveway Alarm System.

3.1 Sensor Placement

- Choose a location for the sensor that provides a clear line of sight to the detection area (e.g., driveway, gate, walking path).
- Ensure the solar panel on top of the sensor receives adequate direct sunlight for optimal charging.
- Mount the sensor securely using the provided screws and anchors. The sensor can be wall-mounted.
- Position the sensor approximately 3-4 feet (0.9-1.2 meters) above the ground for best detection results.
- Avoid pointing the sensor directly at moving objects like trees or bushes that might cause false alarms.

Used in Many Circumstances



Figure 3.1: Common Installation Scenarios

3.2 Receiver Placement

- Place the receiver indoors, ideally in a central location where the alarm can be heard throughout your home.
- Ensure the receiver is within the 1/2 mile (approx. 800 meters) signal range of the sensor. Note that obstacles like thick walls, buildings, and dense foliage can reduce the effective range.

Great Signal Range

1. 1/3 Mile, signal transmission range between sensor and receiver
2. 30ft detect range
3. 3 level sensitivity adjustable



Figure 3.2: Signal and Detection Range

3.3 Initial Charging (Sensor)

While the sensor is solar-powered, it is recommended to fully charge it using the provided Type-C cable before first use, especially if it has been stored for a long time or if sunlight is limited. Connect the Type-C cable to the sensor's charging port and a DC 5V adapter (not included).

3.4 Pairing Sensor and Receiver

The sensor and receiver typically come pre-paired. If re-pairing is needed or if you are adding additional sensors:

1. On the receiver, press and hold the PAIR button until you hear a 'welcome' prompt sound. This puts the receiver into pairing mode.
2. On the sensor, press the ON/OFF button for 3 seconds to turn it on.
3. The sensor and receiver should automatically pair. You will hear a 'pairing finished' prompt from the receiver.
4. To clear existing pairing history on the receiver, press the PAIR & Volume buttons simultaneously. You will hear 'pairing cleared'.

The system is expandable, allowing you to add up to 8 sensors to a single receiver or multiple receivers for broader coverage.

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.

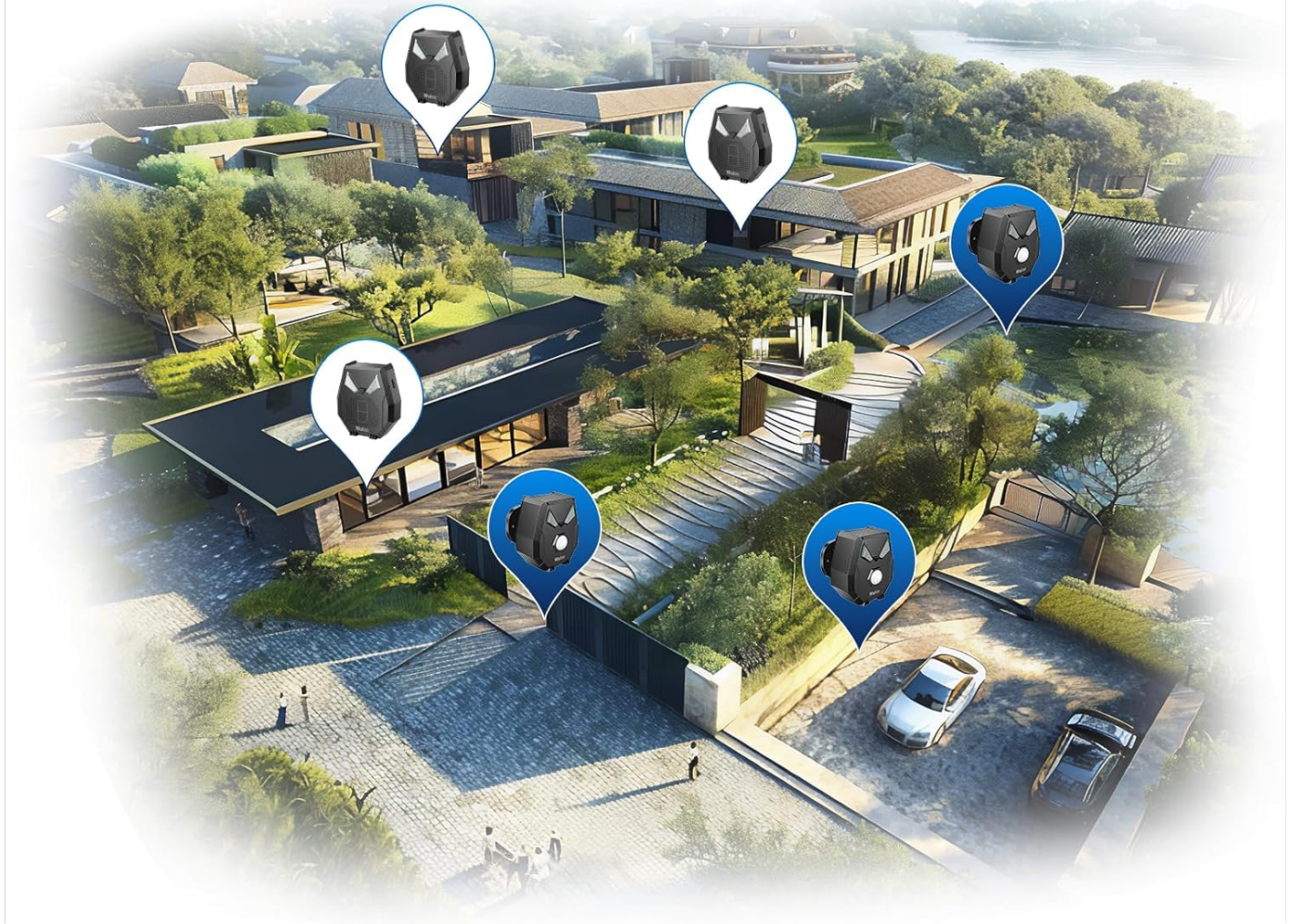


Figure 3.3: Easily Expandable System

4. OPERATION

This section details how to operate your Wuloo Solar Driveway Alarm System, including adjusting settings for the sensor and receiver.

4.1 Sensor Settings

- **ON/OFF:** Press and hold the ON/OFF button on the sensor for 3 seconds to turn it on or off.
- **Work Mode:** The sensor has 4 work modes: Light and Alarm Sound, Light Flash Only, Alarm Sound Only, and Mute (no sound, no flash). Select the desired mode using the dedicated button on the sensor.
- **Melody Setting:** Press the melody button on the sensor to cycle through 12 different melodies.
- **Sensitivity Adjustment:** The sensor features a 3-level sensitivity switch (L/M/H). Adjust this setting to optimize detection and reduce false alarms from small animals or environmental factors like leaves.

4.2 Receiver Settings

- **Chime Selection:** The receiver offers 16 different chimes. You can set a unique chime for each paired sensor (e.g., 'sensor one', 'sensor two' melodies). Enter pairing mode to set specific melodies for different sensors.
- **Volume Adjustment:** The receiver has 4 volume levels, including a mute level. Use the volume button to adjust the sound output.

5. MAINTENANCE

Proper maintenance ensures the long-term performance and reliability of your Wuloo Solar Driveway Alarm System.

- **Solar Panel:** Regularly check the solar panel on the sensor for dirt, dust, or debris. Clean it gently with a soft, damp cloth to ensure efficient charging.
- **Battery Life:** The sensor's rechargeable battery is designed to last up to 24 months on a full charge. Ensure the sensor receives adequate sunlight to maintain battery levels. If the sensor is in a shaded area, occasional manual charging via the Type-C cable may be necessary.
- **Weather Protection:** The sensor is weatherproof and designed to withstand rain and snow. However, avoid submerging the unit in water.
- **General Cleaning:** Wipe down both the sensor and receiver with a dry or slightly damp cloth as needed to keep them clean. Do not use harsh chemicals or abrasive cleaners.



Figure 5.1: Solar Charging and Weatherproof Design

6. TROUBLESHOOTING

If you encounter issues with your Wuloo Solar Driveway Alarm System, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
False alarms from sensor	High sensitivity setting; environmental factors (e.g., small animals, strong winds, moving foliage).	Adjust the sensor's sensitivity switch to a lower level (L or M). Reposition the sensor to avoid direct exposure to moving objects or strong winds.
No signal from sensor to receiver	Sensor battery low; sensor out of range; significant obstacles between sensor and receiver; pairing issue.	Ensure the sensor's solar panel receives adequate sunlight or manually charge it. Move the receiver closer to the sensor. Reduce obstacles or find a clearer line of sight. Re-pair the sensor and receiver following the instructions in Section 3.4.

Problem	Possible Cause	Solution
Receiver not sounding/too quiet	Volume set to mute or too low; receiver not powered on.	Adjust the receiver's volume using the volume button. Ensure the receiver is properly plugged in or has power.
Sensor light not flashing/alarm not sounding	Incorrect work mode selected; sensor battery low.	Check the sensor's work mode setting and ensure it is not set to 'Mute'. Charge the sensor battery.

7. SPECIFICATIONS

Detailed technical specifications for the Wuloo Solar Driveway Alarm System.


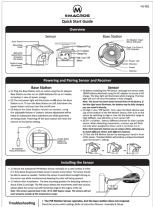




- **Brand:** Wuloo
- **Model Number:** WUL-MTY0102-1T1
- **Color:** Black
- **Power Source:** Solar Powered (Sensor), 110 Volts AC (Receiver)
- **Item Weight:** 0.35 Kilograms (approx. 12.3 ounces)
- **Maximum Signal Range:** 1/2 Mile (approx. 800 meters) in open area
- **Maximum Detection Range:** 25 Feet (approx. 7.6 meters)
- **Mounting Type:** Wall Mount
- **Battery Type (Sensor):** Lithium Polymer (LiPo) rechargeable battery (included)
- **Battery Life (Sensor):** Up to 24 months on a full charge
- **Compatible Devices:** Light, Security System, Smart Home Hub
- **Recommended Uses:** Indoor/Outdoor
- **Product Dimensions:** 5.12 x 3.31 x 5.08 inches (Sensor and Receiver dimensions vary slightly)

8. WARRANTY AND SUPPORT

Wuloo is committed to providing high-quality FM wireless products and excellent customer service. With over 20 years of experience in designing and manufacturing wireless technology, Wuloo stands behind its products.

Wuloo offers a 'Love it or refund' promise, ensuring customer satisfaction. For any questions, technical assistance, or support needs, please refer to the contact information provided with your product packaging or visit the official Wuloo brand store online. We are dedicated to making your life safer and more convenient.

Related Documents - WUL-MTY0102-1T1

 <p>Model: WL-1100 Email: info@wuloo.com Facebook: @WulooUSA</p>	<p>Wuloo Solar Driveway Alarm System - User Manual</p> <p>Comprehensive user manual for the Wuloo Solar Driveway Alarm System, detailing features like 1800ft wireless range, outdoor motion detection, rechargeable battery, weatherproof design, and various configurations.</p>
 <p>184724000</p>	<p>eMACROS Driveway Alarm System: Setup and Installation Guide</p> <p>A comprehensive guide to setting up and installing the eMACROS Long Range Solar Wireless Driveway Alarm system, including powering and pairing the sensor and receiver, and troubleshooting common issues.</p>
<p>Wuloo Wireless Intercom System</p>  <p>Model: WL-666 Email: info@wuloo.com Facebook: @WulooUSA</p>	<p>Wuloo WL-666 Wireless Intercom System User Manual</p> <p>A comprehensive user manual for the Wuloo WL-666 Wireless Intercom System. This guide covers setup, features like TALK, GROUP, MONITOR, VOX, and CALL, troubleshooting common issues, and warranty information.</p>
 <p>Product Specifications - Dialog® System</p>	<p>Douglas Lighting Controls Dialog System Product Specifications</p> <p>Comprehensive product specifications for the Douglas Lighting Controls Dialog System, detailing components, features, and installation requirements for advanced lighting control solutions.</p>
 <p>WORKBOOK 2021 E-BIKE DRIVE SYSTEMS</p>	<p>BAFANG WORKBOOK 2021: E-Bike Drive Systems and Components</p> <p>Explore the BAFANG WORKBOOK 2021, a comprehensive guide to BAFANG's e-bike drive systems, motors, batteries, HMLs, and accessories for various applications including eMTB, eRoad, eTour, eCity, eCargo, and eFAT.</p>
<p>Wuloo Wireless Intercom System</p>  <p>Model: WL-666 Email: info@wuloo.com Facebook: @WulooUSA</p>	<p>Wuloo WL-666 Wireless Intercom System User Manual</p> <p>User manual for the Wuloo WL-666 Wireless Intercom System, detailing setup, features like long-range communication and VOX mode, troubleshooting, and usage scenarios. Learn how to connect, set channels, and communicate effectively.</p>