Wuloo WUL-DA-1&2-Brown

Wuloo Wireless Driveway Alarm System User Manual

Model: WUL-DA-1&2-Brown

1. INTRODUCTION

Thank you for choosing the Wuloo Wireless Driveway Alarm System. This system provides a reliable and expandable solution for monitoring your property, alerting you to movement from vehicles, people, or large animals. Designed for long-range wireless transmission and all-weather performance, it offers enhanced security and convenience for your home or office.

This manual provides detailed instructions for the proper installation, operation, and maintenance of your Wuloo Driveway Alarm System. Please read it thoroughly before use to ensure optimal performance and longevity of the product.

2. PACKAGE CONTENTS

Before proceeding with installation, please verify that all components are present:

- 1 x Multi-functional Receiver
- 2 x Wireless Motion Sensors (with built-in rechargeable batteries)
- Mounting Hardware (screws, anchors)
- Power Adapter for Receiver
- USB Charging Cable for Sensors
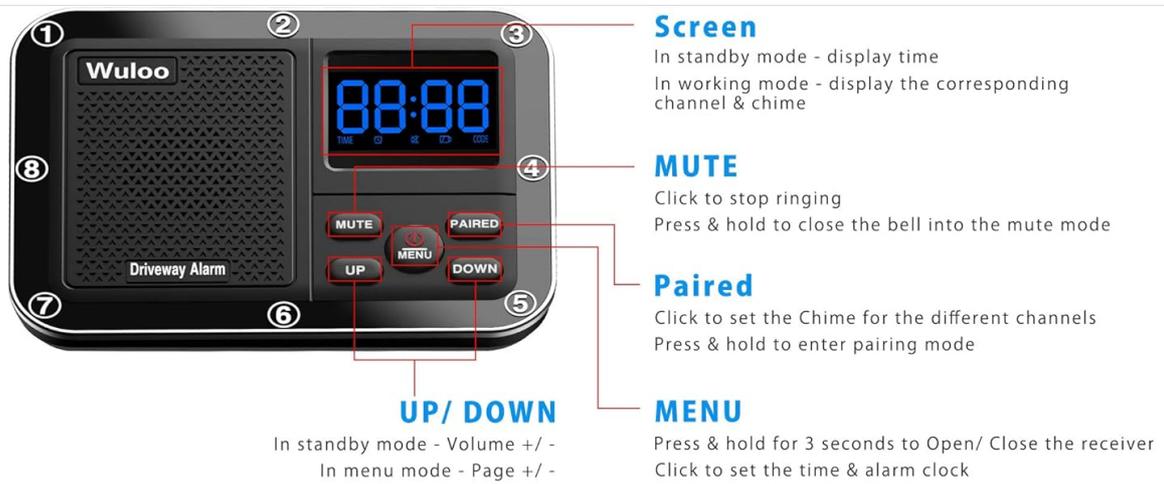- User Manual (this document)
- Quick Start Guide

Image: Main components of the Wuloo Wireless Driveway Alarm System, including two motion sensors and the central receiver unit.

3. SETUP AND INSTALLATION

3.1 Initial Sensor Charging

The motion sensors are equipped with rechargeable batteries. Although they come with some charge, it is recommended to fully charge them before initial installation to ensure maximum battery life.

- Locate the charging port on the sensor (usually under a protective cover).
- Connect the USB charging cable to the sensor and a compatible USB power source.
- Allow the sensor to charge until the charging indicator light turns off or indicates a full charge.

Screen

In standby mode - display time
In working mode - display the corresponding channel & chime

MUTE

Click to stop ringing
Press & hold to close the bell into the mute mode

Paired

Click to set the Chime for the different channels
Press & hold to enter pairing mode

UP/ DOWN

In standby mode - Volume +/ -
In menu mode - Page +/ -

MENU

Press & hold for 3 seconds to Open/ Close the receiver
Click to set the time & alarm clock

Note: The receiver can remain connected to AC power all the time, or it can operate with the installation of 3 AA batteries(Not included). For the safety, please pull out the battery when plugged into the power supply to prevent the battery from damage

4 Sensitivity Adjustable
Channel Setting (0-8)

1800mA Rechargeable Battery

Plug the battery

Note:The sensors can work 12 Months after fully charged. But it only have 20% power when you received it, so please full charge it before installation.

Image: Internal view of the motion sensor, highlighting the rechargeable battery and sensitivity/channel settings.

3.2 Receiver Power Connection

The receiver can be powered by the included AC adapter or by 3 AA batteries (not included) for backup or portable use. For continuous operation, it is recommended to use the AC adapter.

- Plug the AC power adapter into the receiver's power input port.
- Plug the adapter into a standard wall outlet.
- If using batteries, open the battery compartment and insert 3 AA batteries, observing polarity.

3.3 Pairing Sensors with Receiver

Each sensor needs to be paired with the receiver to function correctly. The system supports up to 8 sensors.

1. Ensure the receiver is powered on.
2. Press and hold the **PAIRING** button on the receiver for 3 seconds until the pairing indicator flashes.
3. Within 10 seconds, trigger the motion sensor by waving your hand in front of it.
4. The receiver will chime and its LED indicator will flash, confirming successful pairing.
5. Repeat for all additional sensors.

STEPS FOR USAGE:

STEP 1:

Check the battery settings, set the channel & sensitivity

STEP 2:

Press & hold the PAIRING button for 3 seconds to enter PAIRING mode

STEP 3:

Shake your hands slowly in front of the sensor eye; The corresponding LED indicator will flash and have a ring voice on the receiver, it means pair success

STEP 4:

Please charge the sensor before installing

STEP 5:

Rotate to turn the screws to install the sensor in an outdoor settings where you want to detect motion

Image: Visual guide for the setup process, from checking battery to sensor installation.

3.4 Sensor Placement and Mounting

Optimal placement of the motion sensor is crucial for effective detection and to minimize false alarms.

- Mount the sensor on a stable surface, such as a wall, fence post, or tree, using the provided screws.
- Position the sensor to cover the desired detection area (e.g., driveway, pathway, gate).
- Avoid pointing the sensor directly at moving objects like swaying branches, reflective surfaces, or areas with frequent small animal activity, unless desired.
- The sensor is weatherproof and designed to work well in rain or snow.

Image: An outdoor motion sensor detecting movement on a driveway, illustrating its weatherproof design and wireless range.

4. OPERATING INSTRUCTIONS

4.1 Receiver Functions

The multi-functional receiver offers various settings for customization:

- **Display Screen:** Shows time in standby mode and corresponding channel/chime when triggered.
- **MUTE Button:** Press to stop ringing. Press and hold to enter mute mode.
- **PAIRED Button:** Click to set the chime for different channels. Press and hold to enter pairing mode.
- **UP/DOWN Buttons:** Adjust volume in standby mode, navigate options in menu mode.
- **MENU Button:** Press and hold for 3 seconds to open/close the receiver. Click to set time and alarm clock.

Image: The receiver unit showcasing its various features, including chime selection, volume control, and clock/alarm functions.

4.2 Adjusting Sensor Sensitivity

The sensors feature 4 adjustable sensitivity levels to prevent false alarms from small animals or environmental factors.

- **Lowest Sensitivity:** 0-15 feet detection range.
- **Middle 2 Sensitivity:** 0-20 feet detection range.
- **Middle 1 Sensitivity:** 0-26 feet detection range.
- **HI (Highest) Sensitivity:** 0-33 feet detection range.

To adjust sensitivity, you may need to open the sensor casing and use the internal switch (refer to Section 3.1 image for location). Experiment with settings to find the ideal balance for your environment.
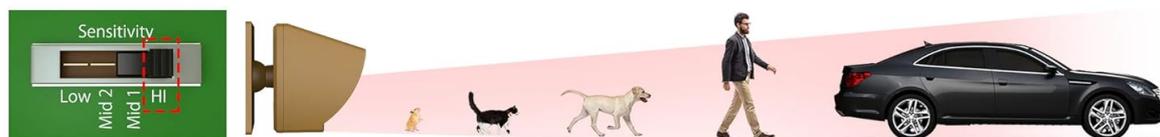
4 SENSITIVITY LEVEL

Lowest sensitivity: **0-15** feet

MIDDLE 2: **0-20** feet

MIDDLE 1: **0-26** feet

HI (Highest Sensitivity): **0-33** feet

Image: Diagram explaining the four sensitivity levels and their corresponding detection ranges for the motion sensor.

4.3 Expanding Your System

The Wuloo Driveway Alarm System is expandable, allowing you to connect up to 8 additional sensors to a single receiver. This enables comprehensive monitoring of larger properties or multiple entry points.

- Purchase additional Wuloo compatible motion sensors.
- Follow the pairing instructions in Section 3.3 for each new sensor.
- Assign different chimes or channels to each sensor for easy identification of the triggered zone.

Expandable System

A receiver can expand up to 8 Sensors to monitor your property throughout your home or office
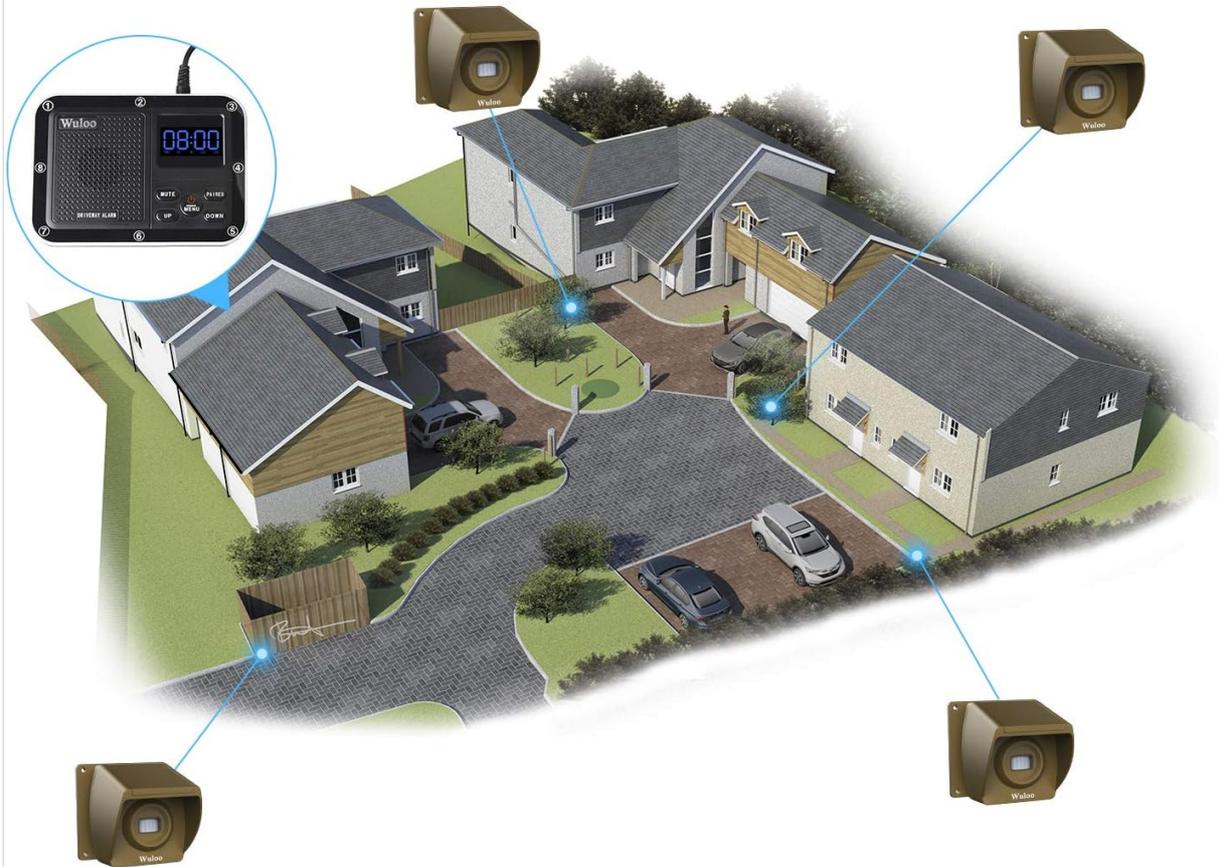

Image: An illustration demonstrating how the system can be expanded with multiple sensors to cover a larger area.

5. MAINTENANCE

5.1 Sensor Battery Recharging

The motion sensors are equipped with 1800mAh rechargeable Lithium-Ion batteries designed to last up to 12 months on a full charge. When the battery level is low, the receiver may indicate a weak signal or the sensor may stop transmitting.

- To recharge, carefully remove the sensor from its mounting location.
- Access the charging port (often located under a protective cover or within the casing).
- Connect the provided USB charging cable to the sensor and a USB power source.
- A full charge typically takes several hours. Ensure the sensor is fully charged before re-installing.

Note: For safety, please pull out the battery when plugged into the power supply to prevent damage, as indicated in some product diagrams. However, the primary method is direct USB charging.

5.2 Cleaning

Periodically clean the sensor lens and receiver unit with a soft, dry cloth to ensure optimal performance and clear detection. Avoid using abrasive cleaners or solvents.

5.3 Environmental Considerations

While the sensors are weatherproof, extreme temperatures outside the operating range of -4°F to 140°F (-20°C to 60°C) may affect performance. Ensure the sensor lens is clear of snow, ice, or debris for accurate detection.

6. TROUBLESHOOTING

If you encounter issues with your Wuloo Wireless Driveway Alarm System, please refer to the following common solutions:

Problem	Possible Cause / Solution
Sensor not detecting motion / No alert	**Low Battery:** Recharge the sensor battery. **Out of Range:** Ensure sensor is within 1/3-mile wireless range of the receiver. **Incorrect Placement:** Adjust sensor angle or height. Ensure line of sight is clear. **Sensitivity Setting:** Increase sensor sensitivity (HI setting). **Not Paired:** Re-pair the sensor with the receiver (refer to Section 3.3).
Frequent false alarms	**High Sensitivity:** Decrease sensor sensitivity (Low, Mid 1, or Mid 2 setting). **Environmental Factors:** Reposition sensor away from swaying branches, direct sunlight, or small animals.
Receiver not responding	**Power Issue:** Check AC power connection or replace AA batteries. **Reset:** Try turning the receiver off and on again using the MENU button.
Short battery life on sensor	**Frequent Triggers:** High traffic areas will drain battery faster. Consider adjusting sensitivity or placement. **Incomplete Charge:** Ensure sensor is fully charged each time. **Extreme Cold:** Very low temperatures can reduce battery performance.

7. SPECIFICATIONS

Brand	Wuloo
Model Number	WUL-DA-1&2-Brown
Color	1&2-Brown
Power Source	Battery Powered (Sensors), AC Adapter / Battery (Receiver)
Wireless Range	Up to 1/3 mile (approx. 1760 ft / 536m)

Motion Detection Range	Up to 33 feet (adjustable sensitivity)
Mounting Type	Wall Mount
Sensor Battery Type	1800mAh Lithium-Ion (rechargeable, included)
Sensor Battery Life	Up to 12 months on full charge
Receiver Battery Type	3 x AA batteries (not included)
Operating Temperature	-4°F to 140°F (-20°C to 60°C)
Expandability	Supports up to 8 additional sensors
Item Weight	1.96 pounds (total package)

8. WARRANTY AND SUPPORT

Wuloo is committed to providing high-quality products and excellent customer service. For specific warranty information, please refer to the documentation included with your product or visit the official Wuloo website.

If you require further assistance, encounter issues not covered in this manual, or need to inquire about warranty claims, please contact Wuloo customer support through the following channels:

- **Wuloo Official Store:** Visit Wuloo Store on Amazon
- Refer to your product packaging or quick start guide for direct contact information (email/phone).

Wuloo specializes in FM/ASK/FSK wireless technology and aims to make customers' lives safer and more convenient.