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Woinnmm D01-T

# Woinnmm Solar Wireless Driveway Alarm System User Manual

Model: D01-T | Brand: Woinnmm

## 1. INTRODUCTION

The Woinnmm Solar Wireless Driveway Alarm System provides reliable monitoring and protection for your property. Designed for both indoor and outdoor use, this system features a long-range wireless connection and solar-powered motion sensors, ensuring continuous operation and peace of mind. It effectively detects movement from humans, cars, and large animals, alerting you with customizable chimes.



Figure 1: Woinnmm Solar Wireless Driveway Alarm System (1 Receiver + 2 Sensors)

This image displays the complete Woinnmm Solar Wireless Driveway Alarm System, including one black receiver unit and two brown solar-powered motion sensors. The components are designed for easy integration into your property's security setup.

#### Video 1: Solar Driveway Alarm System D01 Overview

This video provides a comprehensive overview of the Woinnmm Solar Driveway Alarm System D01, demonstrating its features, applications, and how it enhances property security by detecting movement in various scenarios.

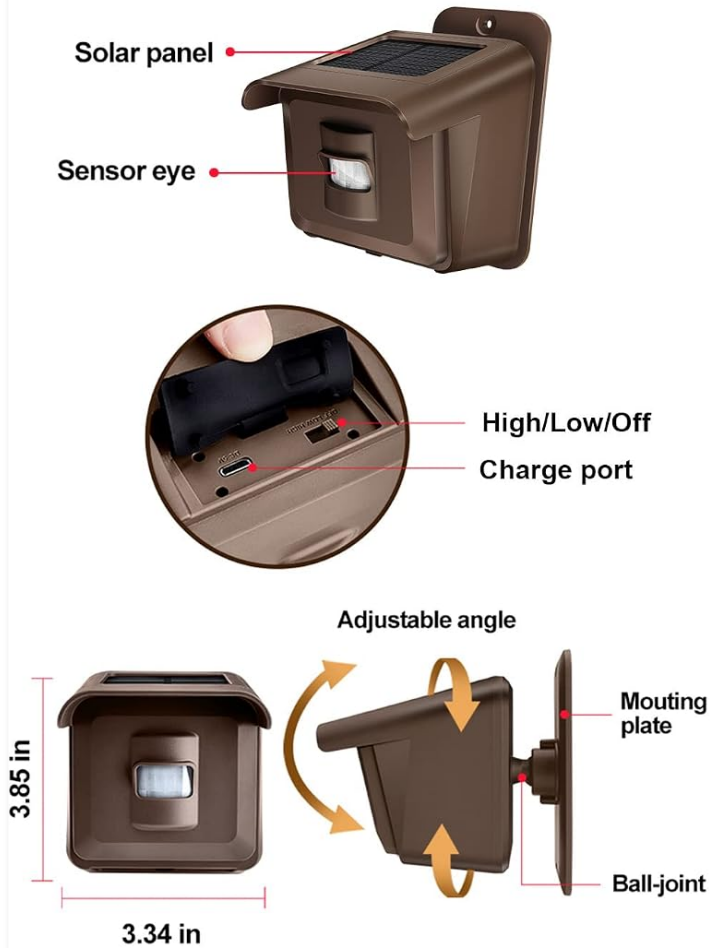
## 2. PRODUCT COMPONENTS

Your Woinnmm Driveway Alarm System includes the following components:

- 1 x Receiver Unit
- 2 x Motion Sensors (Solar Powered)
- 1 x USB-C Charging Cable
- Mounting Screws
- 1 x User Manual (this document)

# PRODUCT FEATURES & SIZE

## WIRELESS MOTION SENSOR



## RECEIVER



Figure 2: Product Features and Size

This diagram illustrates the key features and dimensions of both the wireless motion sensor and the receiver unit, highlighting components like the solar panel, sensor eye, charge port, volume controls, and mode button.

## 3. SETUP AND INSTALLATION

The Woinnmm Driveway Alarm System is designed for DIY installation and can be set up in minutes. Follow these steps for optimal performance:

### 3.1 Sensor Placement

Strategically place the motion sensors to cover desired areas such as driveways, entry points, or outdoor perimeters. The sensors are weatherproof (IP65 rated) and can withstand various environmental conditions.

- Mount sensors on a stable surface like a wall, fence post, or tree using the provided screws.
- Ensure the solar panel on top of the sensor is exposed to direct sunlight for optimal charging.
- Adjust the swivel mount to refine the focus and detection angle of the sensor.

# LONG RANGE SOLAR WIRELESS DRIVEWAY ALARM SYSTEM

- ✓ Wireless Transmission Range (From Sensor to Receiver): 1/2 Mile
- ✓ SENSOR Detection Range: UP to 30 Feet ( High sensitivity: 30ft, Low sensitivity: 18ft )
- ✓ SENSOR Detection Horizontal Angle: 89°



Figure 3: Long Range Wireless Transmission

This image illustrates the impressive 1/2 mile wireless transmission distance between the sensor and receiver, along with the sensor's detection range of up to 30 feet (high sensitivity) or 18 feet (low sensitivity).



Figure 4: Solar Powered Motion Sensor

The image shows the solar-powered motion sensor, highlighting its ability to automatically charge its 2200mAh Lithium battery using solar energy, ensuring continuous operation even in cloudy or rainy conditions.

### 3.2 Initial Charging

Before installation, fully charge both the receiver and the motion sensors. The receiver is charged via the included USB-C cable. The motion sensors are primarily solar-powered but come with an initial charge.

### 3.3 Pairing Sensors with Receiver

To ensure your system functions correctly, pair each motion sensor with the receiver:

1. **Power on the Receiver:** Hold the "MODE" button on the receiver for 3 seconds until any of the Zone A/B/C/D LED lights flash quickly, indicating it's in pairing mode.
2. **Power on the Motion Sensor:** Take off the silicone lid on the sensor. Switch the power to either "High" or "Low" mode.
3. **Trigger the Sensor:** Wave your hand in front of the sensor eye. The red light on the sensor will flash once, and the receiver will produce a unique melody, confirming successful pairing.

## Video 2: How to Pair the Driveway Alarm System

This instructional video demonstrates the step-by-step process of pairing a new motion sensor with the receiver unit, ensuring proper communication and functionality of your driveway alarm system.

### 3.4 Expanding Your System

One receiver can be extended to connect up to 16 motion sensors. Additionally, one sensor can be connected to multiple receivers, allowing for comprehensive coverage of your outdoor and indoor property.



Figure 5: Fully Expandable System

This image illustrates the system's expandability, showing how one receiver can connect to up to 16 sensors, and one sensor can connect to multiple receivers, providing full property protection.

## 4. OPERATING INSTRUCTIONS

Once installed and paired, your Woinnmm Driveway Alarm System is ready for operation.

### 4.1 Sensitivity Adjustment

Minimize false alarms by adjusting the sensitivity of the sensor. The sensor has two sensitivity settings:

- **High:** Detects movement up to 30 feet.
- **Low:** Detects movement up to 18 feet.

Adjust the switch inside the sensor unit (under the silicone lid) to select the desired sensitivity.

## 4.2 Chime Selection

The receiver offers 4 unique chimes. You can match different melodies with different sensors around your property to easily differentiate where movement is being detected (e.g., front driveway, backyard, side gate).

## 4.3 Volume Control

Adjust the volume of the receiver using the dedicated volume up (+) and volume down (-) buttons on the side of the unit.



Figure 6: Wider Range of Application

This image demonstrates the versatility of the system, showing its application in detecting pedestrians at a doorway, vehicles on a driveway, potential burglars, and large animals in a yard.

## 5. MAINTENANCE

To ensure the longevity and optimal performance of your Woinnmm Driveway Alarm System, follow these maintenance guidelines:

- **Sensor Cleaning:** Periodically clean the sensor eye and solar panel to remove dirt, dust, or debris that may obstruct detection or charging efficiency. Use a soft, damp cloth.
- **Battery Life:** The motion sensors are designed to work almost the entire year due to solar charging. The receiver's built-in 2200mAh Lithium Battery usually provides 1-2 weeks of working time and should be recharged via the USB-C cable when low.
- **Weather Protection:** While the sensors are weatherproof (IP65), extreme weather conditions (e.g., heavy snow accumulation on the solar panel) might temporarily affect performance. Ensure the solar panel is clear for continuous charging.

## 6. TROUBLESHOOTING

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

| Problem                              | Possible Cause                                                                                                 | Solution                                                                                                                                            |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| No detection / Sensor not triggering | Sensor is off; Low battery; Obstruction in detection path; Incorrect sensitivity setting; Sensor out of range. | Ensure sensor is on (High/Low); Charge receiver/sensor; Clear path; Adjust sensitivity (High for longer range); Relocate sensor closer to receiver. |
| False alarms                         | High sensitivity; Sensor pointed at moving objects (trees, bushes); Direct sunlight on sensor eye.             | Adjust sensitivity to "Low"; Reposition sensor to avoid unwanted movement; Shield sensor from direct sunlight if causing issues.                    |
| Receiver not alarming                | Receiver is off; Low battery; Volume too low; Not paired correctly.                                            | Ensure receiver is on; Charge receiver; Increase volume; Re-pair sensor with receiver (refer to Section 3.3).                                       |
| Short wireless range                 | Obstructions (thick walls, dense foliage); Interference from other wireless devices.                           | Relocate receiver or sensor to minimize obstructions; Move away from other strong wireless signals.                                                 |

## 7. SPECIFICATIONS

| Feature                       | Detail                                        |
|-------------------------------|-----------------------------------------------|
| Model Number                  | D01-T                                         |
| Power Source (Sensor)         | Battery Powered + Solar Powered               |
| Power Source (Receiver)       | AC Powered (Built-in 2200mAh Lithium Battery) |
| Maximum Wireless Range        | 1500 Feet (1/2 Mile)                          |
| Motion Sensor Detection Range | High: 30 feet, Low: 18 feet                   |
| Mounting Type                 | Wall Mount                                    |
| Weather Resistance            | IP65 Waterproof, Outdoor Weatherproof         |

| Feature                       | Detail                                                                    |
|-------------------------------|---------------------------------------------------------------------------|
| Product Dimensions (Sensor)   | 5"D x 3.34"W x 3.85"H                                                     |
| Product Dimensions (Receiver) | 4.37"D x 4.37"W x 1.29"H                                                  |
| Included Components           | USB-C Charging Cable, Screws, Manual, Motion Detector (x2), Receiver (x1) |
| Material                      | ABS                                                                       |

## 8. WARRANTY AND SUPPORT

Woinnmm stands behind the quality of its products. Your Solar Wireless Driveway Alarm System comes with:

- **24-Month Warranty:** Enjoy peace of mind with a comprehensive 24-month warranty covering manufacturing defects.
- **30-Day Money Back Guarantee:** If you are not completely satisfied, you can return the product within 30 days for a full refund.
- **24 x 7 E-mail Support:** For any questions, technical assistance, or support needs, our dedicated customer service team is available 24 hours a day, 7 days a week via email.

Please refer to the contact information provided in your product packaging for direct support.

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Details

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