

TECKNET EMD01001BA01

TECKNET Solar Wireless Driveway Alarm

Model: EMD01001BA01

1. INTRODUCTION

Thank you for choosing the TECKNET Solar Wireless Driveway Alarm. This system is designed to provide reliable and convenient security monitoring for your property. Utilizing advanced PIR (Pyroelectric Infrared) technology, it detects motion from people, vehicles, or large animals, alerting you instantly via a wireless receiver. Its solar-powered sensor and weatherproof design ensure continuous operation in various outdoor environments. Please read this manual thoroughly before installation and operation to ensure optimal performance and safety.

2. PRODUCT OVERVIEW

2.1. Components

- **Motion Sensor (Transmitter):** The outdoor unit equipped with a solar panel and PIR sensor for detecting movement.
- **Receiver:** The indoor unit that receives signals from the sensor and emits alerts (chimes, LED flashes).
- **Mounting Hardware:** Screws and anchors for installation.



Image: The main components of the TECKNET Solar Wireless Driveway Alarm, showing the solar-powered motion sensor and the multi-zone receiver.



Image: Detailed diagram illustrating the various parts and controls of both the receiver and the motion sensor, such as the lock nut, Type-C charging port, toggle switch, solar panel, and detection angle block on the sensor, and previous/mode button, next/pairing button, volume/switch button, Type-C connector, zone number, and speaker on the receiver.

2.2. Key Features

- **Long-Range Detection:** Detects motion up to 70 ft (High sensitivity) and transmits signals up to 2600 ft (1/2 mile) wirelessly.
- **Solar-Powered Sensor:** The outdoor sensor is powered by a built-in battery charged by its solar panel, reducing the need for manual battery replacement.
- **Weatherproof Design:** IPX5-rated waterproof and designed to withstand extreme temperatures from -15°C to 50°C (-4°F to 140°F).
- **Customizable Alerts:** Offers 36 melodies, 5 volume levels (0-88dB), and 4 distinct ringer alert zones with multi-colored LED indicators.
- **Easy Setup:** Pre-paired units for quick installation and operation.



Image: Visual representation of the 2600FT wireless long-range capability of the driveway alarm system, showing the sensor at the end of a driveway and the receiver inside a house.

2600FT Range Solar Wireless

Wireless Transmission Distance between Receiver and Motion Sensor Up to 1/2 Mile



Image: A detailed graphic emphasizing the 2600FT wireless transmission distance between the receiver and the motion sensor, highlighting its extensive range for property monitoring.

Solar Charging, Energy-Saving



No Need Replace Batteries
Solar-Powered Even in Extreme Weather



 **-4°F** —  **140°F**
(-20°C to 60°C)

 **IPX5 Weatherproof**

Image: Demonstrates the solar charging capability and weatherproof durability of the sensor, showing it functioning effectively in both sunny and rainy conditions, with temperature range and IPX5 rating.

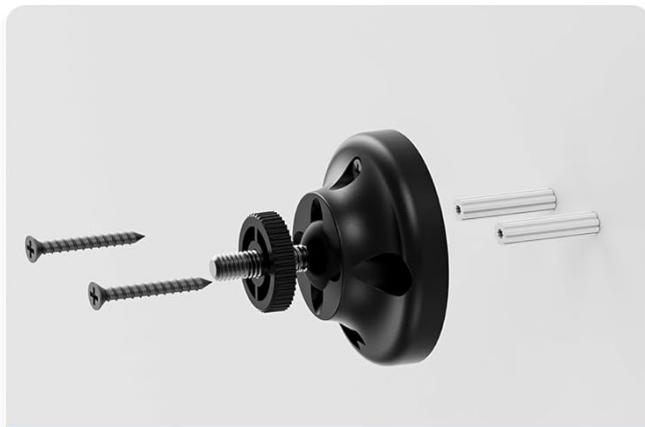


Image: Illustrates the robust IPX5 weatherproof design and wide operating temperature range of the sensor, ensuring reliability in diverse weather conditions.

3. SETUP

3.1. Sensor Installation

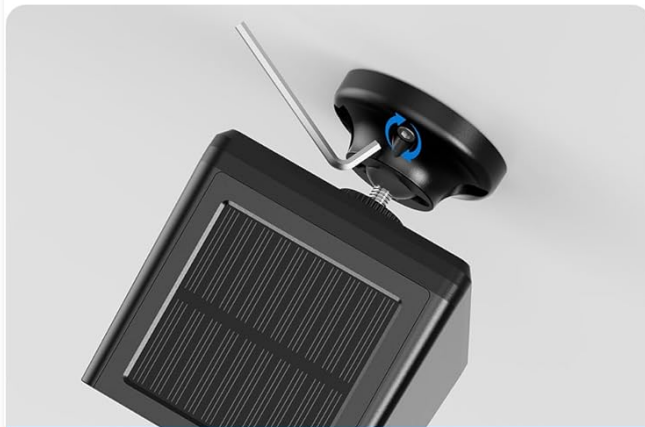
1. **Choose Location:** Select a suitable outdoor location for the motion sensor, such as a wall, fence post, or tree, ensuring it has direct sunlight exposure for optimal solar charging.
2. **Mount the Base:** Fasten the sensor's mounting base to the chosen surface using the provided screws.
3. **Attach Sensor:** Screw the transmitter (sensor) onto the mounted base.
4. **Adjust Angle:** Adjust the sensor's angle clockwise to tighten the screw securely. Ensure the solar panel is positioned to absorb maximum sunlight.



1 Fasten the base to the wall with screws



2 Screw the transmitter lock



3 Adjust the angle, clockwise to tighten the screw securely

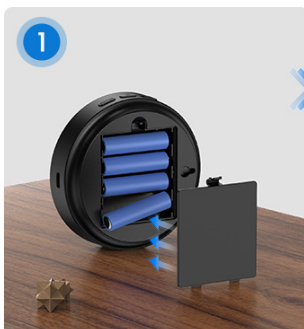


Easy To Use

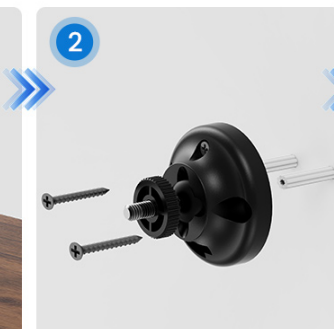
Tips: Install it at an angle to absorb as much sunlight as possible

Image: Step-by-step guide on how to install the motion sensor, from fastening the base to adjusting the angle for optimal sunlight absorption.

How to Install the Sensor ?



The receiver requires only 4 AA batteries



Fasten the base to the wall with screws



Screw the transmitter lock



Adjust the angle, clockwise to tighten the screw securely

Image: Visual instructions for installing the sensor, including details on battery insertion for the receiver (if applicable, though product states no batteries required for sensor) and mounting steps.

3.2. Receiver Placement

Place the receiver indoors in a central location where the chime can be easily heard. Ensure it is within the 2600 ft wireless range of the sensor. The receiver can be powered via a Type-C connector.

4. OPERATING INSTRUCTIONS

4.1. Motion Detection

The sensor uses PIR technology to detect heat from moving objects. It has three sensitivity levels:

- **Low:** Detects up to 25 ft
- **Medium:** Detects up to 50 ft
- **High:** Detects up to 70 ft

Adjust the sensor's focus and detection angle using its rotating bracket to optimize coverage for your specific area (e.g., driveway, backyard, front door).

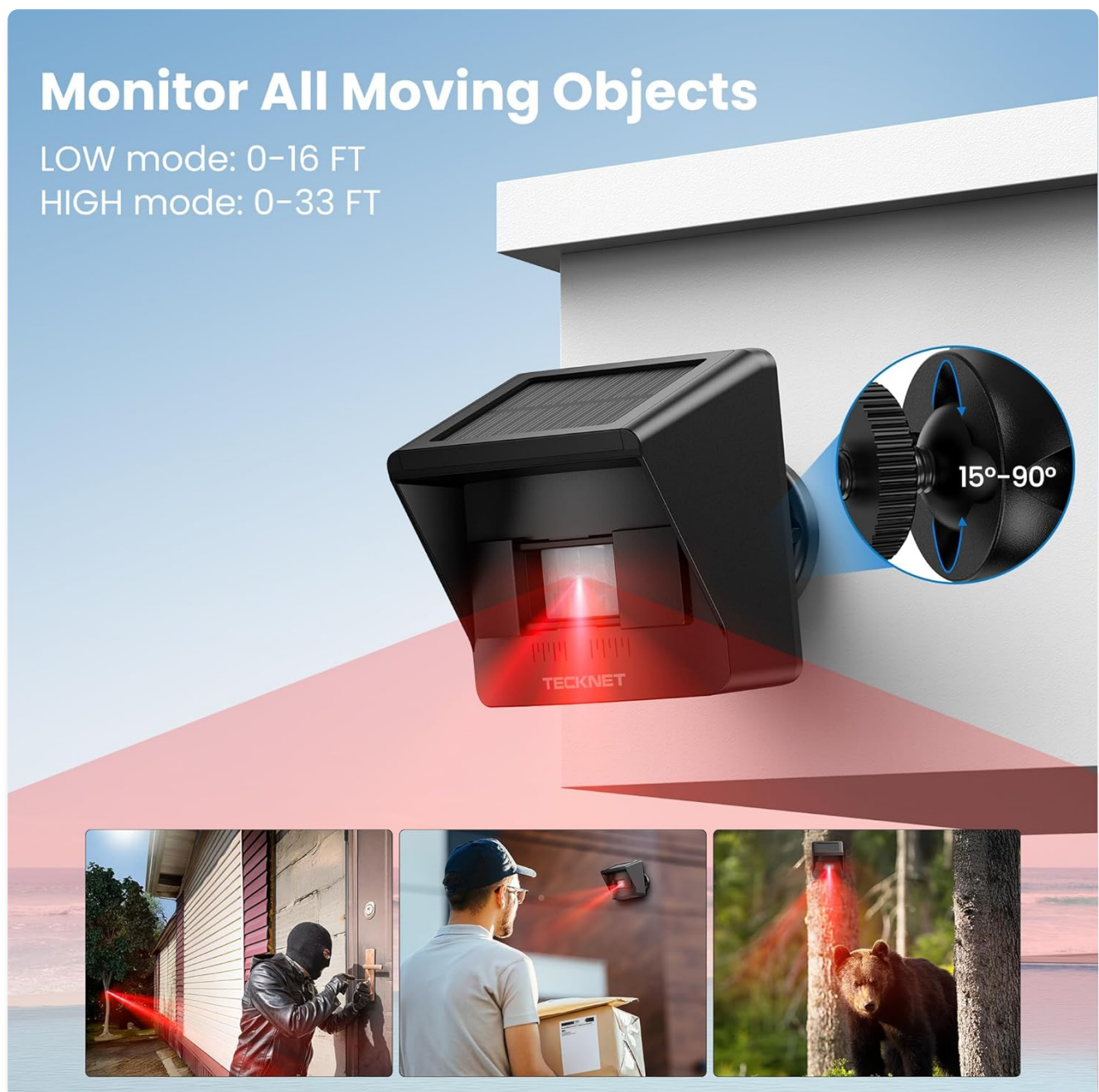


Image: Illustrates the sensor's ability to monitor all moving objects, showing its detection range and various applications for security and awareness.



Image: Explains the adjustable detection angle and sensitivity levels (Low/High) of the sensor, allowing for precise monitoring.

4.2. Receiver Alerts

When motion is detected, the receiver will emit an audible chime and its multi-colored LEDs will flash, providing both auditory and visual alerts.

- **Melodies:** Choose from 36 different melodies to customize your alert sound.
- **Volume Levels:** Adjust the volume to one of 5 levels (0-88dB) to suit your preference.
- **Alert Zones:** The system supports 4 ringer alert zones. Different zones can be assigned different ringtones, allowing you to distinguish the location of the detected motion (e.g., gate, driveway, backyard).

Portable and Convenience



Colorful
LED Light



4 Unique
chimes



36
Ringtones



5 Levels Volume
(0-88dB)



Image: Highlights the portable and convenient features of the receiver, including its colorful LED lights, multiple chimes, ringtones, and adjustable volume levels.

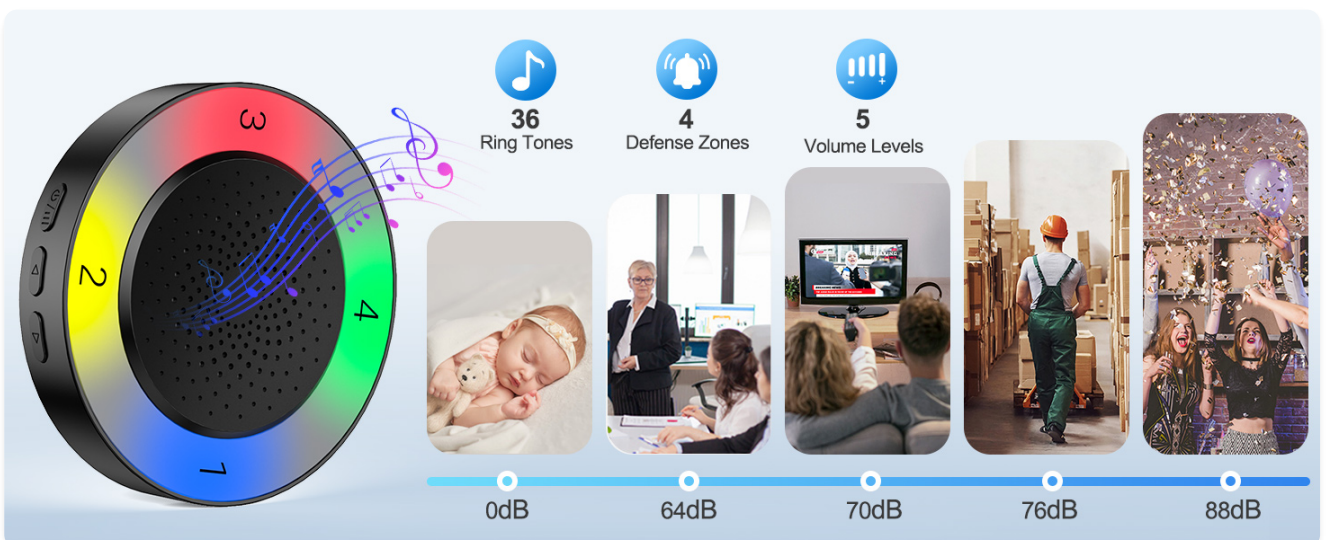


Image: Details the receiver's extensive customization options for alerts, including the number of ringtones, defense zones, and volume levels.

4.3. Application Scenarios

The system is versatile and can be used in various scenarios to enhance security and awareness:

- **Visitor Alert:** Be notified when someone approaches your front door or driveway.
- **Intruder Detection:** Receive immediate alerts for unauthorized entry into your property.
- **Vehicle Monitoring:** Detect vehicles entering or exiting your driveway or garage.
- **Animal Detection:** Be aware of large animals in your yard or property.



Image: Illustrates diverse applications of the driveway alarm system, including monitoring walkways, mailboxes, garages, and yards.



VISITOR

Image: Scenario showing the system detecting a visitor, providing an alert for approaching individuals.



THIEF

Image: Scenario demonstrating the system's ability to detect and alert about potential intruders, enhancing property security.



VEHICLE

Image: Scenario illustrating the system's use for detecting vehicles entering or exiting a monitored area.



Image: Scenario depicting the system detecting an animal, useful for monitoring wildlife or pets in specific areas.

5. MAINTENANCE

The TECKNET Solar Wireless Driveway Alarm is designed for low maintenance. The sensor's solar panel recharges its internal battery, eliminating the need for frequent battery replacements. To ensure optimal performance:

- **Clean Solar Panel:** Periodically wipe the solar panel on the sensor with a soft, damp cloth to remove dust, dirt, or debris that may obstruct sunlight absorption.
- **Clear Obstructions:** Ensure no foliage or objects are blocking the sensor's view or the solar panel.
- **Weather Protection:** While weatherproof, extreme conditions like heavy snow accumulation on the sensor may temporarily affect performance. Clear snow as needed.



Image: Illustrates the solar charging capability of the sensor, confirming it can charge its batteries even on cloudy or rainy days.

6. TROUBLESHOOTING

If you encounter issues with your TECKNET Solar Wireless Driveway Alarm, please refer to the following common troubleshooting steps:

- **No Detection:**
 - Ensure the sensor is powered on and its solar panel is receiving adequate sunlight.
 - Check for obstructions in the sensor's detection path.

- Verify the sensor's sensitivity setting (Low, Medium, High) is appropriate for your desired detection range.
 - Confirm the sensor and receiver are properly paired. Refer to the pairing instructions if needed.
- **False Alarms:**
 - Adjust the sensor's angle and focus to avoid detecting unwanted movement (e.g., small animals, swaying branches).
 - Lower the sensitivity setting if necessary.
 - Ensure the sensor is not exposed to direct heat sources or strong winds that could trigger false alarms.
- **Poor Wireless Range:**
 - Relocate the receiver closer to the sensor.
 - Minimize obstacles (thick walls, large metal objects) between the sensor and receiver.
 - Ensure no strong interference sources (e.g., other wireless devices) are nearby.
- **Receiver Not Responding:**
 - Check if the receiver is properly powered via its Type-C connector.
 - Verify the volume setting is not at 0.

If these steps do not resolve the issue, please contact TECKNET customer support for further assistance.

7. SPECIFICATIONS

Feature	Specification
Model Number	EMD01001BA01
Sensor Technology	Motion Sensor (PIR)
Wireless Range	Up to 2600 Feet (1/2 Mile)
Detection Range	Low: 25 ft, Medium: 50 ft, High: 70 ft
Power Source (Sensor)	Solar Powered
Weather Resistance	IPX5 Weatherproof
Operating Temperature	-15°C to 50°C (-4°F to 140°F)
Melodies	36 Options
Volume Levels	5 Levels (0-88dB)
Alert Zones	4 Zones
Item Weight	14.4 ounces
Product Dimensions	4.56 x 3.15 x 3.54 inches

8. WARRANTY AND SUPPORT

TECKNET products are designed to provide reliable performance. For any questions, technical support, or warranty inquiries, please contact TECKNET customer service. Details for contacting support can typically be found on the

product packaging or the official TECKNET website.

Please retain your proof of purchase for warranty claims.