

eMACROS HS002

eMACROS Long Range Solar Wireless Driveway Alarm User Manual

Model: HS002

INTRODUCTION

Thank you for choosing the eMACROS Long Range Solar Wireless Driveway Alarm. This system is designed to provide reliable security alerts for your property, detecting movement from humans, cars, and large animals. With its long-range wireless capabilities and solar-powered sensors, it offers a convenient and effective solution for monitoring your outdoor perimeter.

This manual provides detailed instructions for setup, operation, maintenance, and troubleshooting to ensure optimal performance of your device.

PACKAGE CONTENTS

The eMACROS Long Range Solar Wireless Driveway Alarm package typically includes the following components:

- 1 x Receiver Unit
- 2 x Solar-Powered Motion Sensors
- Charging Cables and Adapters (for receiver)
- Mounting Hardware
- User Manual (this document)



Image: The complete eMACROS Driveway Alarm System, showing the receiver and two solar-powered motion sensors, along with their retail packaging.

SETUP AND INSTALLATION

1. Charging the Receiver

The receiver comes with charging cables and adapters. For optimal performance, use the provided adapter specifically with the receiver. Ensure the receiver is fully charged before initial use.

2. Sensor Placement and Charging

The sensors are solar-powered and do not require battery replacement. They are equipped with internal rechargeable batteries that are charged by the solar panel. The sensor can be used directly after receiving it without initial charging.

No need to replace batteries Unit charges even on cloudy or rainy days.

We recommend using our original cable. Using cables of other brands or models may cause damage to the device. The sensor can be used directly after receiving it without charging.

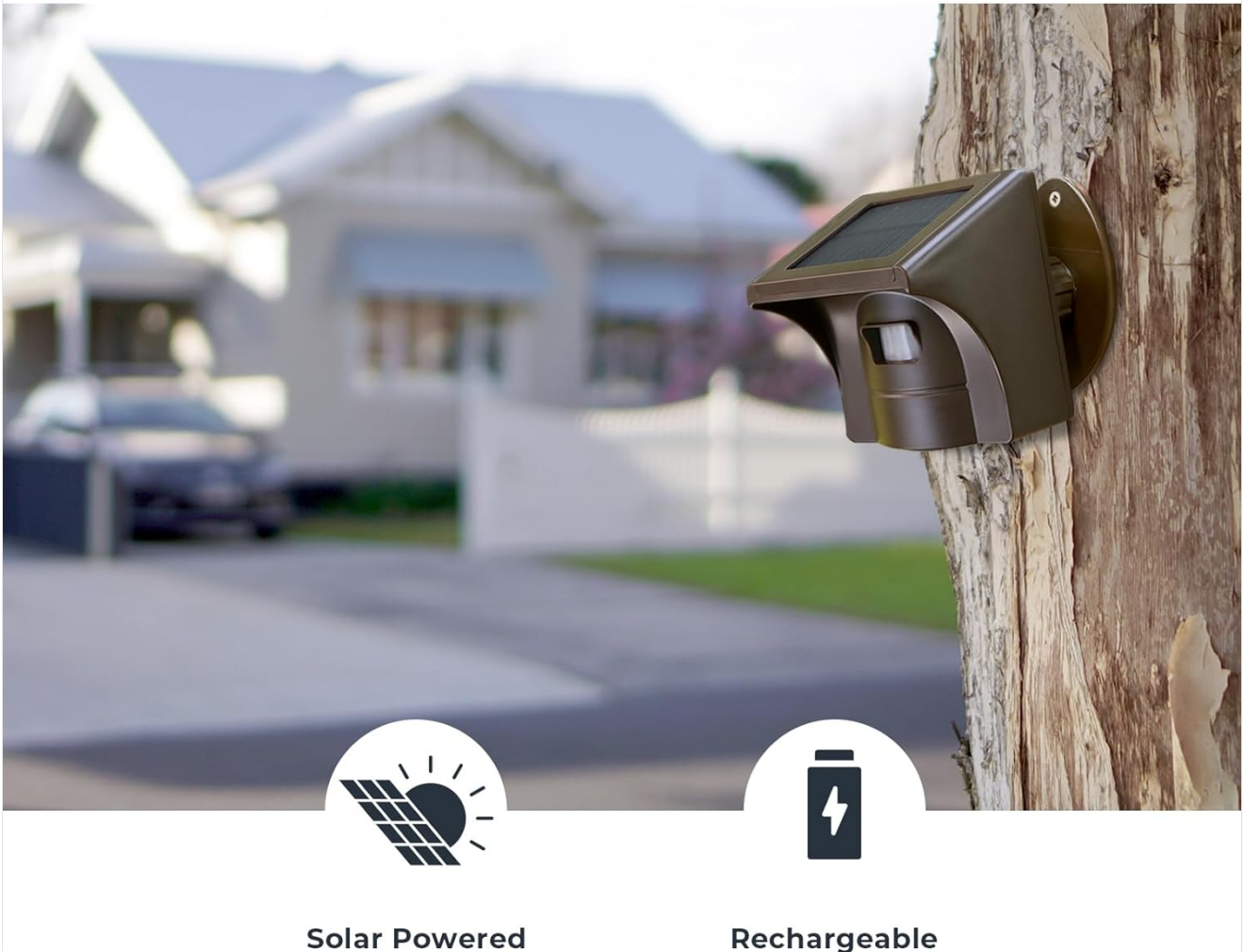


Image: A solar-powered sensor mounted on a tree, illustrating its self-charging capability even in less than ideal weather conditions. Choose a location for the sensors that provides a clear line of sight to the area you wish to monitor and receives adequate sunlight for charging. Avoid placing sensors directly facing strong light sources or in areas with dense foliage that might obstruct the solar panel.

3. Mounting the Sensors

The sensors are designed for wall mount installation. Use the provided mounting hardware to securely attach the sensors to a stable surface such as a wall, fence post, or tree. The swivel mount allows you to refine the focus and detection angle of the sensor.



Image: A close-up of the eMACROS solar sensor mounted on a wooden post, highlighting its robust, weather-resistant construction suitable for outdoor use.

4. Adjusting Detection Sensitivity

False alarms can be minimized by adjusting the sensitivity of the sensor's eye with the built-in switch. The sensitivity settings are:

- **Hi:** Approximately 30 feet detection range.
- **Low:** Approximately 20 feet detection range.

Refer to the owner's instruction manual for specific details on locating and adjusting this switch.

1500FT Wireless Transmission Range

2 Adjustable Detection Distance: 20ft/30ft.



Image: A visual representation of the sensor's detection range, illustrating how it covers a driveway area and its wireless transmission capability up to 1500 feet.

OPERATING INSTRUCTIONS

1. Pairing Sensors with Receiver

The system is designed for quick setup. Follow the Quick Start Guide included in your package to pair your sensors with the receiver. The system can be expanded with up to 4 sensors and unlimited receivers for comprehensive property coverage.

2. Selecting Chimes

The receiver offers over 4 fun and unique chimes. You can match different chimes with different sensors around your property to easily differentiate where motion is being detected.

3. Detection and Alerts

Once set up, the wireless driveway alarm detects movement from humans, cars, and large animals. Upon detection, the receiver will sound the selected chime, alerting you to activity in the monitored area.



Wrapped in Splendor --A Gift of Exquisite Packaging.



Image: A collage demonstrating the alarm's ability to detect various types of movement, including people (delivery, potential intruder), vehicles, and wildlife, providing comprehensive property monitoring.

4. Wireless Range

The system boasts a super long receiving range, easily achieving a 1500FT wireless range in most conditions. It has been rigorously tested through thick forestry, hail storms, gusty winds, heavy rains, scorching heat, and snow, ensuring reliable performance in diverse environments.

MAINTENANCE

- **Sensor Cleaning:** Periodically clean the solar panel and the sensor eye to ensure optimal charging and detection performance. Use a soft, damp cloth to remove dust, dirt, or debris.
- **Battery Life:** The solar-powered sensors are designed for long-term operation without manual battery

replacement. The internal Lithium Polymer batteries have an estimated life of 1 year, continuously recharged by the solar panel.

- **Receiver Power:** Ensure the receiver remains connected to its power adapter for continuous operation, or recharge its internal battery as needed.
- **Weather Resistance:** The sensors feature a waterproof ABS housing and sealing ring, ensuring normal operation in rain or shine. While highly weather-resistant, extreme conditions may temporarily affect performance.



Image: The eMACROS solar sensor covered in water droplets, demonstrating its IP65 waterproof rating and ability to withstand various weather elements.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No alert from receiver when motion is detected.	Sensor battery low; Sensor out of range; Obstruction between sensor and receiver; Sensor not paired.	Ensure sensor is receiving adequate sunlight for charging. Relocate sensor closer to receiver. Remove obstructions. Re-pair sensor with receiver according to Quick Start Guide.
Frequent false alarms.	Sensor sensitivity too high; Sensor detecting small animals or moving objects (e.g., branches).	Adjust sensor sensitivity to 'Low' setting. Reposition sensor to avoid detecting unwanted movement.
Receiver not powering on.	Receiver battery depleted; Incorrect power adapter.	Connect receiver to the provided charging cable and adapter. Ensure the adapter is specifically for the receiver (not compatible with versions prior to 2021).
Short wireless range.	Excessive obstructions (thick walls, metal structures); Interference from other wireless devices.	Relocate receiver or sensors to minimize obstructions. Try to identify and reduce interference from other 433 MHz devices.

SPECIFICATIONS

Brand: eMACROS

Model: HS002

Power Source: Solar, Battery Powered

Maximum Wireless Range: 1500 Feet

Mounting Type: Wall Mount

Battery Type (Sensors): Lithium Polymer (included, rechargeable via solar)

Battery Life (Sensors): Approximately 1 year (continuously recharged)

Temperature Range: -20 to 60 Degrees Celsius (-4 to 140 Degrees Fahrenheit)

Frequency: 433 MHz

Product Dimensions: 9.41"D x 5.28"W x 5.04"H (approximate)

Item Weight: 1.48 pounds (total package)

UPC: 754914525981

Included Components: 1 receiver and 2 sensors

WARRANTY AND SUPPORT

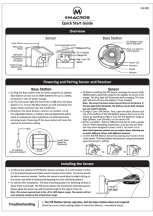
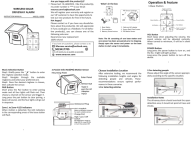
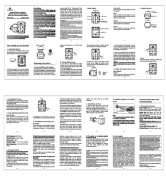


eMACROS stands behind the quality of its products. For warranty information and customer support, please refer to the contact details provided in your product packaging or visit the official eMACROS website. You can also find additional support and FAQs on the Amazon product page.

Official User Guide (PDF): [Download PDF](#)

eMACROS Store: [Visit Store](#)

IMPORTANT SAFETY INFORMATION

- Do not attempt to disassemble or repair the device yourself. Refer all servicing to qualified personnel.
- Keep the device away from extreme heat sources and open flames.
- Ensure all mounting hardware is securely fastened to prevent the sensors from falling.
- Dispose of batteries and electronic components responsibly according to local regulations.

	<p><u>eMACROS Driveway Alarm System: Setup and Installation Guide</u></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><u>eMACROS Wireless Solar Driveway Alarm HS006 Instruction Manual</u></p> <p>Detailed instruction manual for the eMACROS Wireless Solar Driveway Alarm, Model HS006. Covers setup, operation, features, installation, troubleshooting, and FCC compliance for this solar-powered motion detection system.</p>
	<p><u>eMACROS HS-003 Wireless Motion Sensor and Driveway Alarm User's Guide</u></p> <p>Comprehensive user guide for the eMACROS HS-003 wireless motion sensor and driveway alarm system. Learn about installation, operation, features, and troubleshooting for enhanced home security.</p>
	<p><u>eMACROS MC-007 Indoor/Outdoor Smart Security Camera Video Driveway Alarm User's Guide</u></p> <p>User's guide for the eMACROS MC-007 Smart Security Camera Video Driveway Alarm. This guide covers setup, connection, app operation, features, and troubleshooting for the indoor/outdoor security camera.</p>
	<p><u>eMACROS MC-919 Wireless Portable Speakerphone User Guide</u></p> <p>User guide for the eMACROS MC-919 Wireless Portable Speakerphone, covering Bluetooth connectivity, True Wireless Stereo (TWS) pairing, call handling, charging, battery status, voice guidance, factory reset, troubleshooting, specifications, and FCC statement.</p>