

eMACROS HS006-W

eMACROS Pro 4 Solar Driveway Alarm System User Manual

Model: HS006-W

1. INTRODUCTION

The eMACROS Pro 4 Solar Driveway Alarm system is designed to provide advanced security and monitoring for your property. This system features a solar-powered motion sensor and a rechargeable base station with app connectivity, offering real-time alerts and comprehensive coverage. Its robust design ensures reliable performance in various environmental conditions.



Figure 1: Overview of the eMACROS Pro 4 Solar Driveway Alarm system, including the solar sensor, smartphone app interface, and the base station.

2. PACKAGE CONTENTS

Please verify that all components are present in your package:

- 1 x Rechargeable Base Station
- 1 x Solar Sensor
- 1 x Charger (for Base Station)
- Mounting Hardware (screws, anchors)
- User Manual (this document)

Note: While the provided 'whats_in_the_box' only listed 'Charger', a complete system typically includes the base station and solar sensor as implied by the product title and description.

3. SETUP INSTRUCTIONS

3.1 Initial Charging and Power-On

1. Connect the provided charger to the Rechargeable Base Station. Allow the base station to fully charge before initial use. The base station offers up to 7-day backup power.
2. The Solar Sensor is powered by its integrated solar panel and includes a lithium polymer battery for continuous operation. Ensure the solar panel is exposed to sunlight for optimal performance.

3.2 App Installation and Pairing

1. Download the eMACROS app from your smartphone's app store.
2. Open the app and follow the on-screen instructions to create an account and add your device.
3. Ensure your Wi-Fi network is operating on a 2.4 GHz frequency, as the system is compatible with this band.
4. Follow the app's pairing guide to connect the Base Station and Solar Sensor to your Wi-Fi network.

3.3 Sensor Placement and Installation

Proper placement of the solar sensor is crucial for optimal detection and to minimize false alarms.

- For detecting **people**, install the solar sensor at a height of 3-4 feet (approx. 0.9-1.2 meters) from the ground, keeping it level and perpendicular to the ground.
 - For detecting **vehicles**, install the solar sensor at a height of 2-3 feet (approx. 0.6-0.9 meters) from the ground, keeping it level and perpendicular to the ground.
 - Mount the sensor securely using the provided screws.
-



Figure 2: The solar sensor is designed for easy installation, typically requiring basic tools for secure mounting.

4. OPERATING THE SYSTEM

4.1 Motion Detection and Alerts

The eMACROS Pro 4 utilizes advanced SST PIR (Passive Infrared) technology to detect motion. When motion is detected, the system triggers an alert.

Instant Push Notifications



Figure 3: Instant push notifications are sent to your smartphone upon motion detection.

- **Real-Time Push Alerts:** Alarm messages are instantly pushed to your phone, allowing for immediate awareness.
- **Detection Range:** The system offers an impressive 1/2 mile (approx. 800 meters) detection range in open areas, providing extensive coverage.

Long Transmission Range

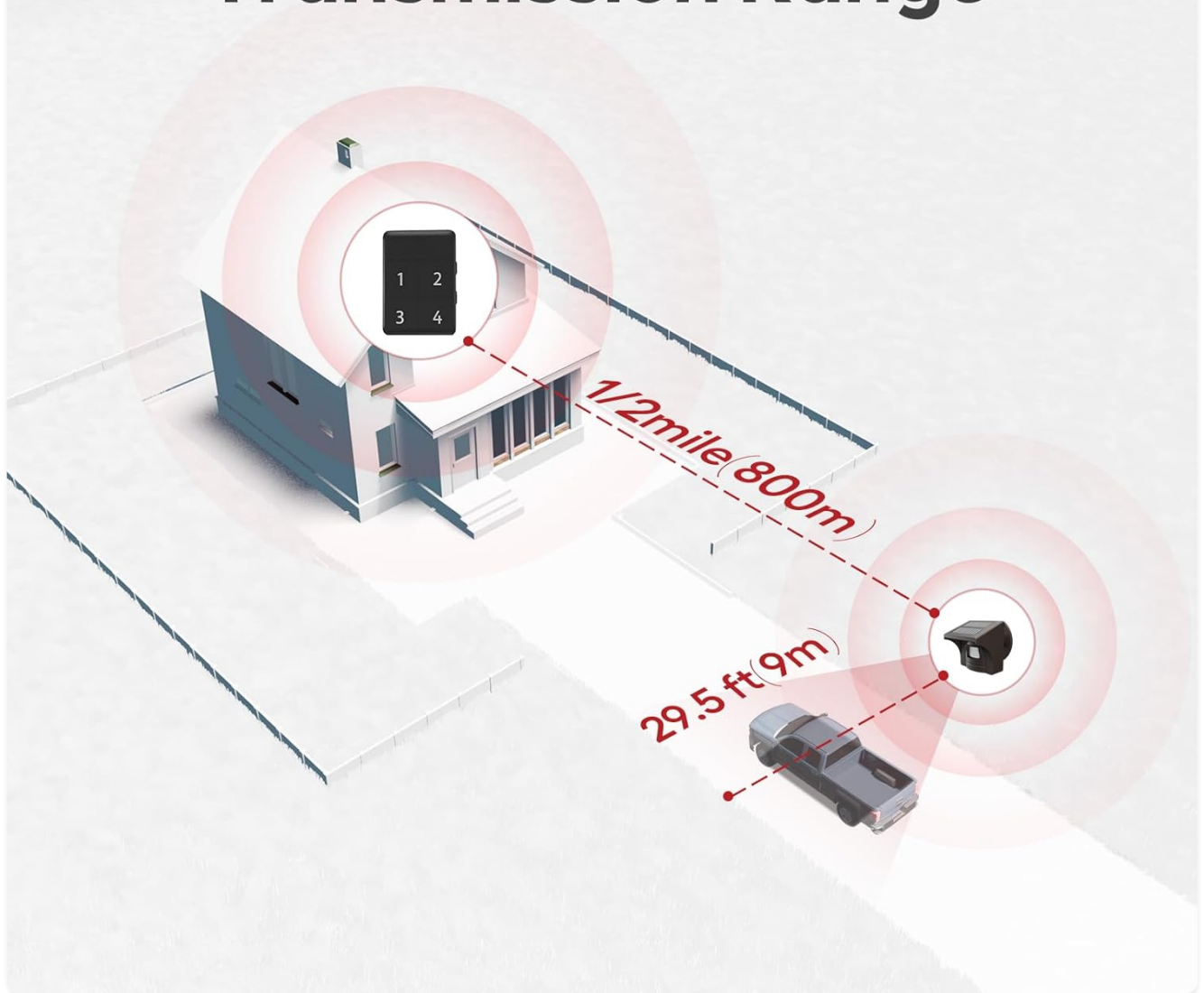


Figure 4: The system's long transmission range ensures reliable signal transmission across large properties.

4.2 App Features and Customization

The eMACROS app provides various functionalities to manage your alarm system:

- **Sensor Naming:** Customize the names of individual sensors (e.g., "Driveway," "Garage") for easy identification of alert locations.
- **Multi-User Monitoring:** Share device access with family members via email addresses to keep everyone updated on important alerts.
- **Chime Options:** The base station offers 58 different chimes. You can select your preferred melody and adjust the volume up to 100 dB.



Figure 5: Customize sensor names for clear identification of alert zones.



Figure 6: Share access to the alarm system with multiple users for shared security awareness.

4.3 Integration with Home Security Cameras

The system is designed to complement existing home security camera setups. Upon receiving an alert, you can quickly open your home security camera app to view intruders in real-time and take preventive action.



Figure 7: Seamless integration allows for quick visual verification of alerts using your existing security cameras.

5. MAINTENANCE

5.1 Power Management

- The solar sensor is designed for continuous operation with its built-in rechargeable battery and solar panel. Ensure the solar panel remains clean and free of obstructions for efficient charging.
- The base station features a rechargeable battery with up to 7-day backup power, ensuring functionality during power outages.
- The app will provide a low battery warning for the base station, prompting you to recharge it.

A Single Full Charge for **2-Year** Use



Figure 8: The solar sensor provides long-lasting power with minimal intervention.

Rechargeable Battery Base Station

Outage-Proof Power, Always On — 7-Days Battery Backup

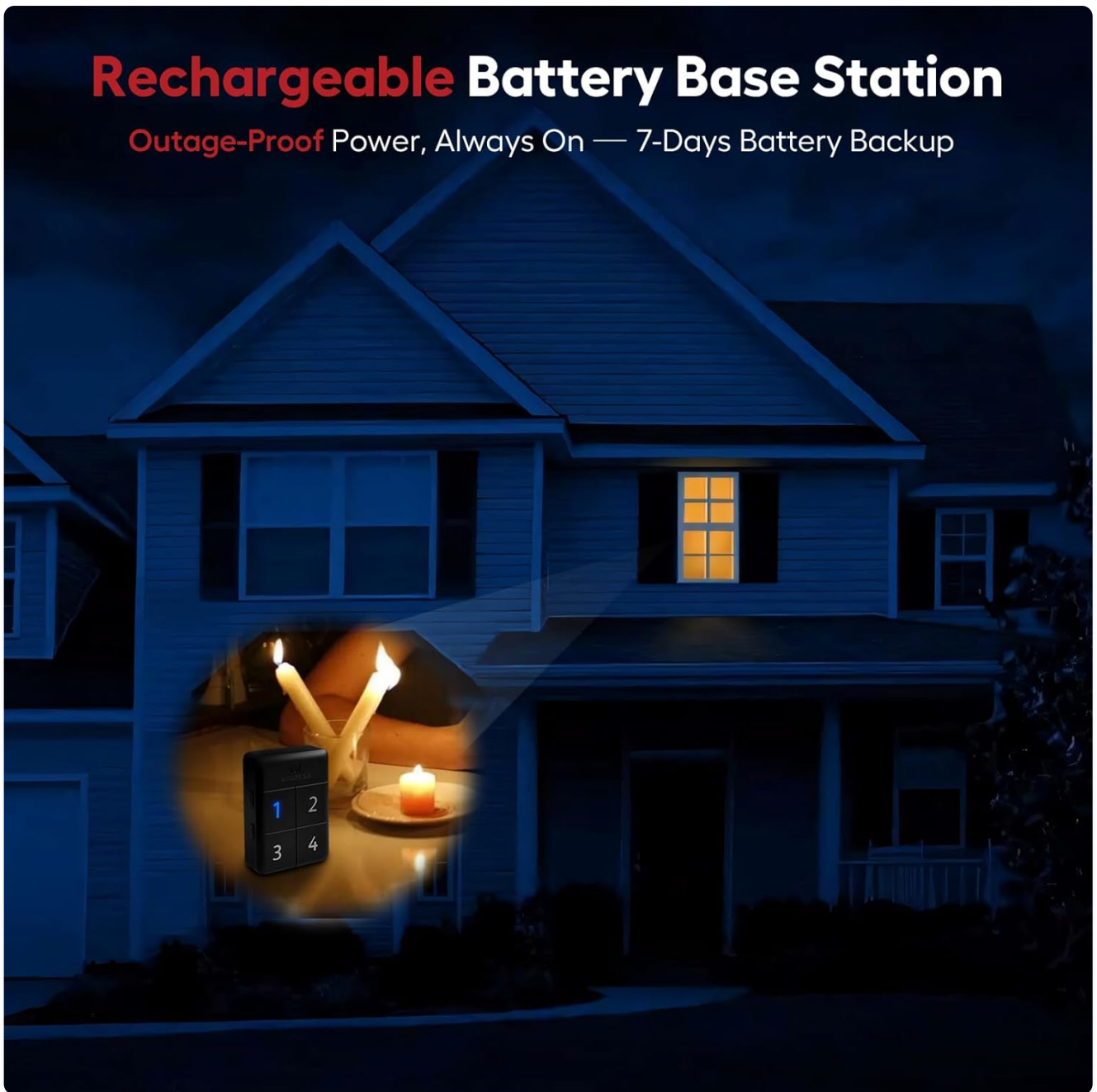


Figure 9: The rechargeable base station ensures continuous operation even during power interruptions.

Figure 10: The app provides timely low battery warnings for the base station.

5.2 Weather Resistance

The system is engineered with an upgraded IP65 waterproof rating, ensuring durability and effective operation in all weather conditions, including rain and shine.

IP65+ Weather Resistance



Figure 11: The IP65+ rating ensures reliable performance in diverse weather conditions.

6. TROUBLESHOOTING

6.1 Reducing False Alarms

The system incorporates Self-developed SST PIR Technology to reduce false alerts by 80%. However, if you experience frequent false alarms, consider the following:

- Ensure the sensor is not pointed directly at moving foliage, reflective surfaces, or heat sources (e.g., vents, direct sunlight on dark surfaces) that could trigger the PIR sensor.
- Verify the sensor's mounting height is appropriate for the intended detection target (people vs. vehicles).
- Adjust the sensor's sensitivity settings if available in the app or on the device.

Adopting the latest **SST** technology (SmartSense)

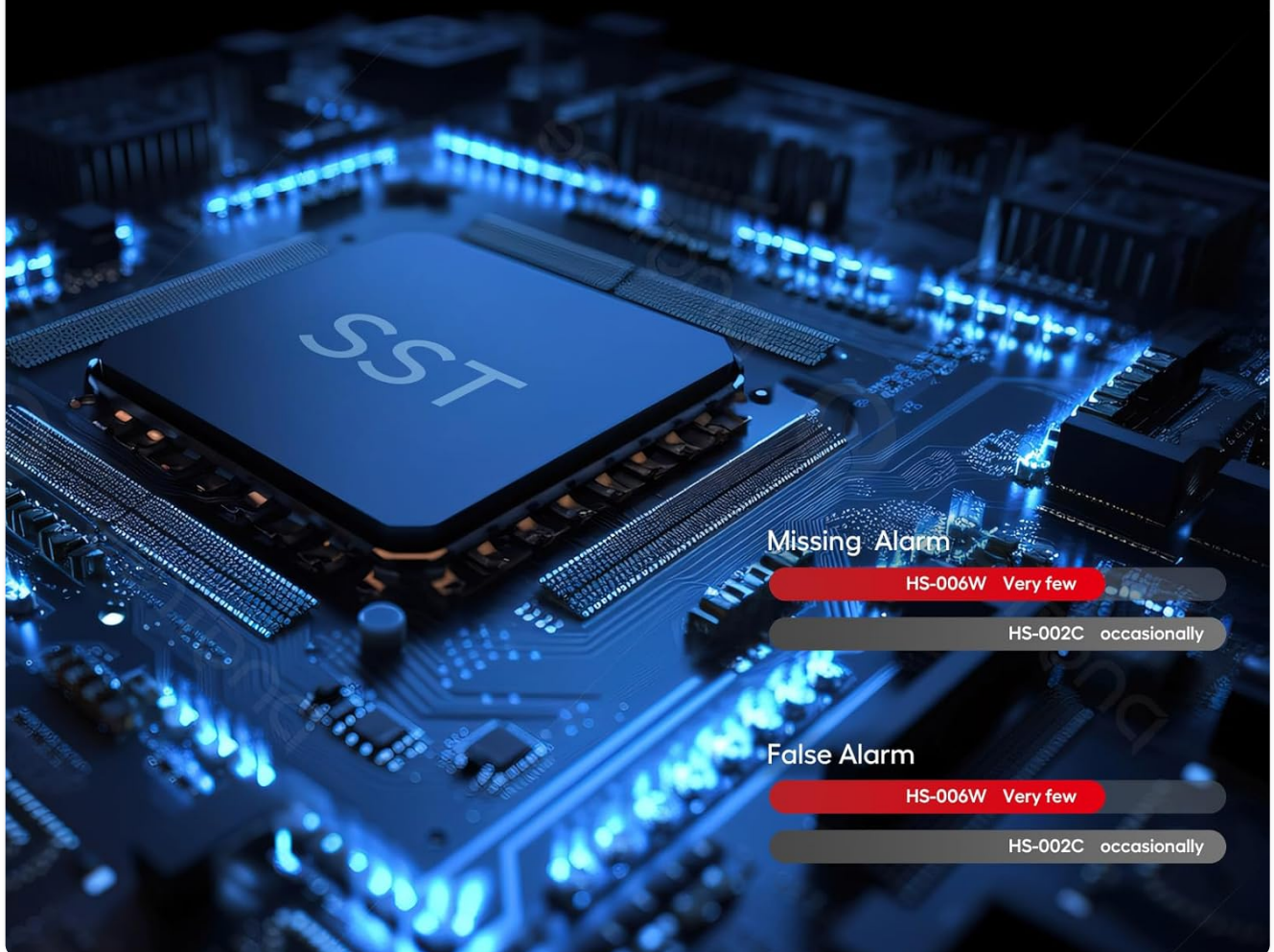


Figure 12: SST (SmartSense Technology) minimizes false alarms and missed detections.

6.2 Connectivity Issues

- Confirm your Wi-Fi network is 2.4 GHz. The system is not compatible with 5 GHz networks.
- Ensure the base station is within range of your Wi-Fi router.
- Restart your Wi-Fi router and the base station.

6.3 No Video Content Available

Please note that no official seller videos were available for embedding in this manual based on the provided product data. For visual guides or demonstrations, please refer to the manufacturer's official website or support channels.

7. SPECIFICATIONS

Feature	Specification
Brand	eMACROS

Feature	Specification
Model Number	HS006-W
Power Source	Solar Powered
Compatible Devices	Smartphone
Item Dimensions (L x W x H)	4.5 x 3 x 3 inches
Connectivity Technology	Wireless
Installation Type	Screw-In
Alert Type	Audio & Motion
Voltage	5 Volts (DC)
Control Method	App
Battery Cell Composition	Lithium Polymer
Maximum Range	2650 Feet (approx. 1/2 Mile)
Battery Life (Sensor)	2 years (estimated with full charge)
Included Components	Charger (for Base Station)
Noise Level	100 dB
Sensor Technology	Motion Sensor (SST PIR)
Connector Type	USB Type C
UPC	730198312264
Item Weight	15.2 ounces
Date First Available	April 22, 2025

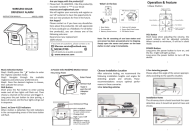
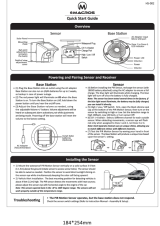


8. WARRANTY AND SUPPORT

For detailed warranty information, product registration, and technical support, please refer to the official eMACROS website or contact their customer service directly. Keep your purchase receipt for warranty claims. Extended protection plans may be available for purchase separately. Please consult the retailer for details on these plans.

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Related Documents

	<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 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 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>