Manuals+
Q & A | Deep Search | Upload

HTZSAFE HB-807A+HB-T504

HTZSAFE Driveway Alarm System User Manual

Model: HB-807A+HB-T504

Setup Operating Maintenance Troubleshooting Specifications Warranty & Support

Introduction

The HTZSAFE Driveway Alarm System provides a reliable and expandable solution for monitoring your property. This system includes a solar-powered wireless motion sensor and a portable plug-in receiver, designed to alert you to movement from people, vehicles, or large animals within a specified range. The solar sensor is weatherproof and self-charging, eliminating the need for battery replacement. The receiver offers multiple melodies and adjustable volume levels, with a built-in backup battery for continuous operation during power outages. This manual provides comprehensive instructions for setup, operation, maintenance, and troubleshooting to ensure optimal performance of your HTZSAFE system.

Package Contents

The HTZSAFE Driveway Alarm System (1 Receiver + 1 Sensor model) typically includes the following components:

- 1 x HTZSAFE Solar Wireless Motion Sensor (Model: T504)
- 1 x HTZSAFE Portable Plug-in Receiver (Model: HB-807A)
- Mounting Hardware (screws, anchors, ball-joint mount, mounting plate)
- USB Charging Cable (for initial charging if needed)
- User Manual (this document)

Figure 1: Main components of the HTZSAFE Driveway Alarm System.

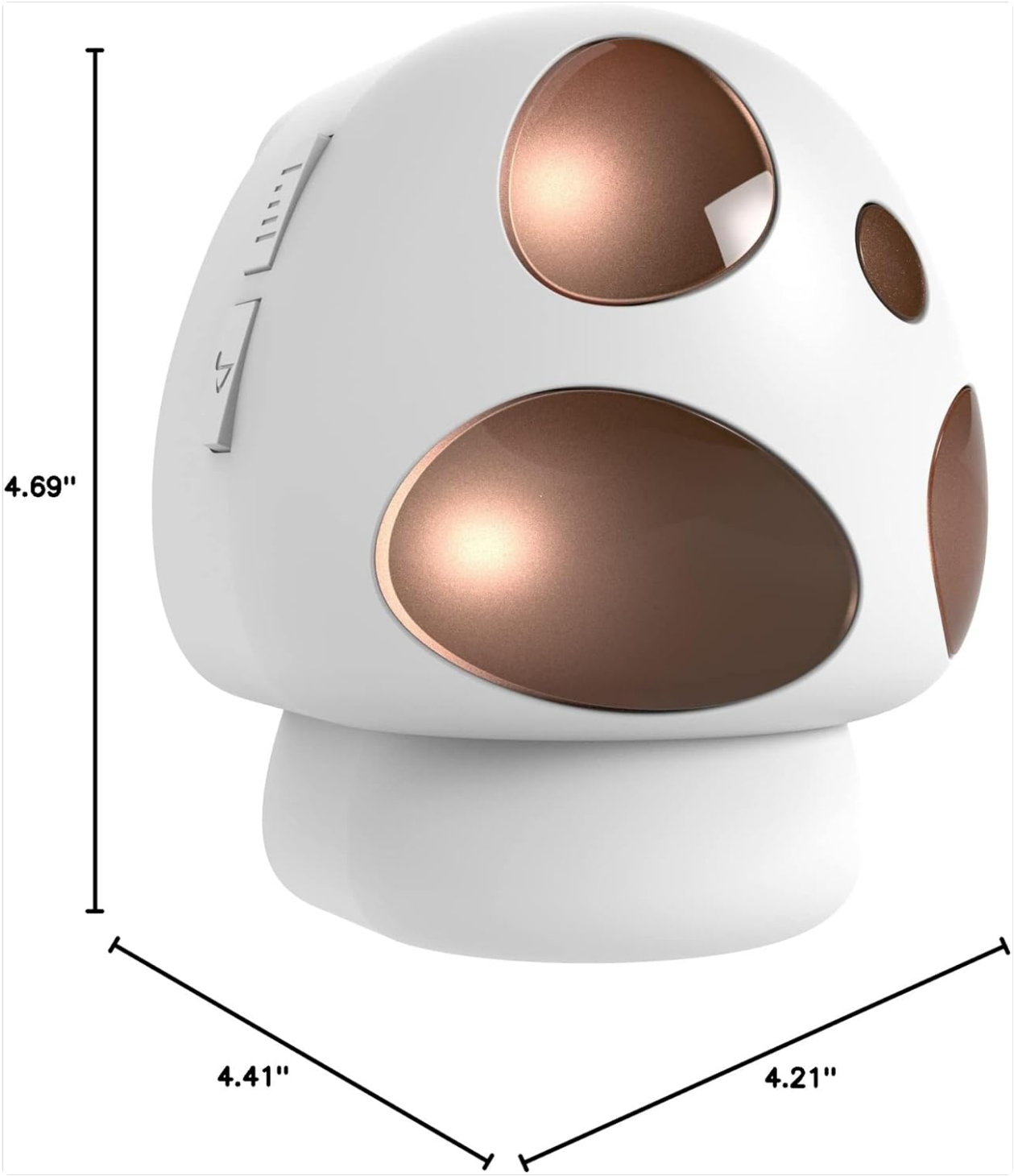


Figure 2: Dimensions of the HTZSAFE Portable Plug-in Receiver and Solar Wireless Motion Sensor.

Setup Guide

1. Initial Charging (Sensor)

The solar motion sensor is designed to be self-sufficient through its solar panel. However, for optimal performance upon first use, it is recommended to fully charge the sensor using the provided USB cable. Connect the small end of the USB cable to the charging jack on the sensor and the other end to a standard USB power adapter (not included).

Figure 3: The solar panel on top of the motion sensor for continuous charging.

2. Receiver Placement

Plug the portable receiver into a standard electrical outlet inside your home. Ensure it is placed in a central location where the chime can be easily heard throughout your property. The receiver has a built-in rechargeable battery that allows it to function even during power outages.

3. Sensor Mounting and Placement

Mount the solar motion sensor outdoors in a location that provides optimal detection coverage for your desired area (e.g., driveway, yard, gate, pool). The sensor should be positioned to detect motion from people, vehicles, or large animals. It can be mounted on walls, fence posts, or trees using the provided mounting hardware.

- **Detection Range:** The sensor detects motion from 25 feet to 70 feet. Adjust sensitivity as needed (Low=25ft; Medium=50ft; High=70ft).
- **Line of Sight:** Ensure a clear line of sight between the sensor and the area to be monitored for best performance.
- **Solar Exposure:** Position the solar panel to receive maximum direct sunlight throughout the day for continuous charging.

Figure 4: Illustration of the system's 1/2 mile wireless range and 70-foot motion detection capability.

Your browser does not support the video tag.

Video 1: Official HTZSAFE video demonstrating the installation and various uses of the driveway alarm system. This video shows the solar sensor being mounted on a wall and a tree, highlighting its weatherproof design and ease of installation. It also illustrates how the system detects people, vehicles, and animals, and how the indoor receiver provides alerts. The video emphasizes the system's long range and expandability.

Figure 5: Wider application range of the solar motion sensor, detecting heat movements from various sources.

Operating Instructions

1. Adjusting Volume and Melodies

The receiver offers 5 adjustable volume levels and 35 optional melodies. You can customize the melody for each sensor to differentiate where motion is being detected (e.g., "Driveway" for the front sensor, "Dog Barks" for the backyard sensor).

- Use the **Volume** button on the receiver to cycle through the 5 volume levels.
- Use the **Tone** button to cycle through the 35 available melodies.

Figure 6: Features of the HTZSAFE receiver, including chime and volume options.

2. Mute Mode

For quiet hours, the receiver can be set to mute mode. In this mode, only the LED indicator will flash when motion is detected, providing a visual alert without sound.

Figure 7: The receiver operating in mute mode, where only the LED light flashes upon detection.

3. Expanding the System

The HTZSAFE system is fully expandable. You can add up to 4 motion sensors to one receiver and connect one sensor to unlimited receivers. This allows for comprehensive coverage of large properties.

Figure 8: The system's expandability, allowing for additional sensors and receivers.

Maintenance

- **Sensor Cleaning:** Periodically clean the solar panel and sensor eye with a soft, damp cloth to ensure optimal performance and charging efficiency.
- **Battery Life:** The solar sensor's built-in rechargeable battery is designed for long-term use. The receiver's built-in battery provides backup power; ensure it is regularly plugged into an outlet to keep it charged.
- **Environmental Considerations:** The solar sensor is weatherproof and designed to operate in temperatures from -30°F to 150°F. Extreme weather conditions may temporarily affect performance.

Troubleshooting

Problem	Possible Cause	Solution
Sensor not detecting motion.	Incorrect sensitivity setting, obstruction, or low battery.	Adjust sensitivity (High/Medium/Low). Clear any obstructions. Ensure solar panel receives adequate sunlight or charge manually.
False alarms.	Sensor too sensitive, direct sunlight, or small animals/foliage.	Reduce sensitivity. Reposition sensor to avoid direct sun or moving foliage. Adjust angle to exclude small animals.
Receiver not chiming.	Receiver in mute mode, out of range, or power issue.	Check if receiver is in mute mode (LED only). Move receiver closer to sensor. Ensure receiver is plugged in and charged.
Short wireless range.	Obstructions (walls, trees), interference, or terrain.	Minimize obstructions between sensor and receiver. Avoid placing near large metal objects or other wireless devices. Consider repositioning.

Specifications

Brand: HTZSAFE

Model Number: HB-807A+HB-T504

Power Source: Battery Powered (Solar for Sensor, Rechargeable for Receiver)

Wireless Range: Up to 1/2 Mile (800 meters) in ideal conditions

Motion Detection Range: 25-70 Feet (adjustable sensitivity)

Operating Temperature: -30°F to 150°F (-34°C to 65°C)

Receiver Volume Levels: 5

Receiver Melodies: 35

Expandability: Up to 4 sensors per receiver, unlimited receivers per sensor

Item Weight: 0.44 Kilograms (approx. 15.3 ounces)

Product Dimensions: 4.41"D x 4.21"W x 4.69"H (Sensor)

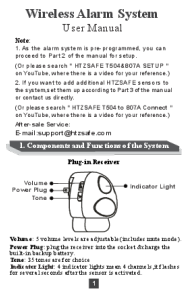
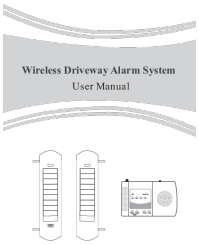
Warranty and Support

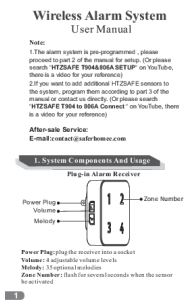
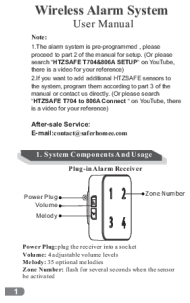
For warranty information, technical support, or any inquiries regarding your HTZSAFE Driveway Alarm System, please refer to the official HTZSAFE website or contact their customer service directly. Details can typically be found in the packaging or on the manufacturer's product page.

You can also refer to the official user manual PDF for more detailed information**HTZSAFE User Manual (PDF)**

© 2025 HTZSAFE. All rights reserved.

Related Documents - HB-807A+HB-T504

	HTZSAFE Wireless Alarm System User Manual User manual for the HTZSAFE Wireless Alarm System, detailing components, operation, setup, and technical specifications for the plug-in receiver and solar wireless motion sensor. Includes instructions for adding and deleting sensors, adjusting volume and sensitivity, and installation notes.
	HTZSAFE T804 Wireless Motion Sensor User Manual | Installation & Operation Guide Comprehensive user manual for the HTZSAFE T804 Wireless Motion Sensor. Provides detailed instructions on system components, setup, operation, installation, and technical specifications for this long-range motion detector.
	HTZSAFE Solar Wireless Driveway Alarm System User Manual User manual for the HTZSAFE Solar Wireless Driveway Alarm System, detailing configuration, components, operation, installation, and technical parameters.
	HTZSAFE Plug-in Receiver User Manual - Setup, Operation, and Technical Specifications Comprehensive user manual for the HTZSAFE Plug-in Receiver. Learn how to connect, operate, and troubleshoot your wireless alarm receiver. Includes system components, operation instructions, and technical parameters.

	HTZSAFE Wireless Alarm System User Manual User manual for the HTZSAFE Wireless Alarm System, covering system components, usage, operation instructions, and technical parameters for both the plug-in alarm receiver and the solar wireless motion sensor.
	HTZSAFE Wireless Alarm System User Manual - Setup, Operation & Specifications Comprehensive user manual for the HTZSAFE Wireless Alarm System, covering system components, operation instructions, adding/deleting sensors, volume and melody settings, sensitivity adjustment, and technical specifications for the receiver and motion sensor.