KERUI DW9

KERUI DW9 Wireless Driveway Alarm System User Manual

Model: DW9 | Brand: KERUI

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your KERUI DW9 Wireless Driveway Alarm System. This system is designed to enhance security by alerting you to movement in monitored outdoor areas such as driveways, perimeters, entrances, and pathways.
The system consists of a weatherproof Passive Infrared (PIR) motion detector (sensor) and an indoor chime receiver. It is suitable for various applications, including home security, shed monitoring, garage alerts, and commercial entry notifications.

Image 1.1: The KERUI DW9 system, showing the indoor receiver unit and the outdoor motion sensor.

2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- 1 x Receiver Unit
- 1 x PIR Motion Sensor
- 2 x Window Covers (for sensor field of view adjustment)
- 1 x UK Power Adapter (for receiver)
- 1 x USB Cable
- 1 x Mounting Hardware (screws and anchors)
- 2 x User Manuals

3. SETUP AND INSTALLATION

3.1 Powering the Receiver

The receiver can be powered in two ways:

1. **AC Power:** Connect the supplied UK power adapter to the DC-5V port on the receiver and plug it into a standard electrical outlet.
2. **Battery Power (Backup):** For portable use or as a backup during power outages, insert 3 x AA batteries (not included) into the battery compartment. The receiver will retain pairing and alarm tone choices even if unplugged or power fails, provided batteries are installed.

Image 3.1: Receiver unit with labeled components, including battery compartment.

3.2 Powering the PIR Motion Sensor

The PIR motion sensor requires 2 x AA batteries (not included). Open the battery compartment on the back of the sensor and insert the batteries, observing the correct polarity.

Image 3.2: PIR motion sensor with internal components and window covers.

3.3 Mounting the PIR Motion Sensor

For optimal performance and to minimize false alarms, follow these recommendations:

- **Height:** Mount the sensor approximately 3-4 feet (0.9-1.2 meters) above the ground.
- **Direction:** Point the sensor straight out towards the area you wish to monitor, such as your driveway or entrance.
- **Location:** Use the provided mounting hardware to affix the sensor to a fence post, tree, wall, or stake.
- **Avoid Obstructions:** Ensure a clear line of sight between the sensor and the monitored area. Avoid aiming directly at busy roads or areas with frequent small animal activity to reduce unwanted alerts.

The sensor has a 90-degree viewing radius from its center. You can adjust its field of view using the two included window covers.

The sensor outside will detect any heat movement from people and vehicles, and send a signal to the receiver inside the house to chime.
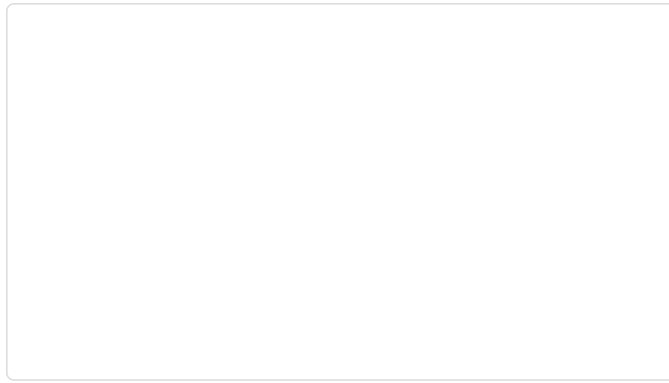
Image 3.3: Example of sensor placement for driveway monitoring.

3.4 Initial Pairing and Programming

The included sensor and receiver are pre-programmed and ready to use out of the box. If you are adding additional sensors or need to re-program, follow these steps:

- The system supports up to 8 sensors, with 2 sensors assignable to each of the 4 available zones.
- Each zone can be assigned one of 16 available melodies, allowing you to distinguish the alert source.

For a visual guide on programming and resetting your DW9 system, please refer to the official tutorial video:

Video 3.1: Tutorial on how to program and reset the KERUI DW9 Driveway Alarm (Duration: 3:05).
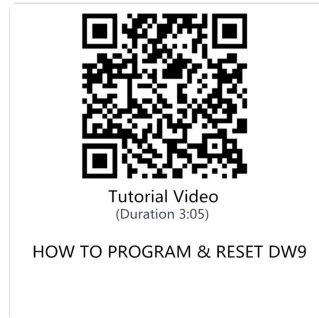
[Watch on YouTube](#)

Tutorial Video
(Duration 3:05)

HOW TO PROGRAM & RESET DW9

Image 3.4: QR code linking to the programming tutorial video.

4. OPERATION

4.1 Receiver Controls

- **ON/OFF Switch:** Located on the side of the receiver to power the unit on or off.
- **Volume Control:** Adjusts the alert volume through 5 levels, including a mute option. Maximum volume is 100 dB.
- **Tone Select:** Cycles through 16 selectable alert sounds/melodies. Each melody has a specific duration.
- **LED Light Indicator:** Flashes when an alert is triggered, providing a visual notification.

Image 4.1: Receiver features and capabilities.

4.2 PIR Motion Sensor Operation

- **Motion Detection:** The sensor detects heat movement within approximately 20 feet (6 meters) in front of it.
- **Signal Transmission:** Upon detection, the sensor sends a wireless signal up to 500 feet (150 meters) in open areas to the receiver.
- **Detection Delay:** After detecting motion, the sensor enters a "sleep" mode for 5 seconds. This prevents continuous alerts from a single object passing through and conserves battery life.
- **Sensor LED:** The sensor's eye will light up red when activated. This LED can be turned off using the internal LED dip switch (refer to Image 3.2). Note that turning off the LED will disable the visual low battery indicator.

Image 4.2: Sensor detecting motion and receiver alerting.

4.3 Adjusting Sensor Settings

- **Detection Range:** Inside the sensor's battery compartment, a dip switch allows you to select a detection range of 6 meters or 12 meters. For maximum effective range, set it to "12M" and consider turning off the sensor LED.
- **Field of View:** Use the two included window covers to narrow or adjust the sensor's field of view, focusing its detection area.

5. MAINTENANCE

5.1 Battery Replacement

- **PIR Sensor:** Replace 2 x AA batteries approximately once a year, depending on usage and environmental conditions.
- **Receiver:** If using battery backup, replace 3 x AA batteries as needed.
- **Cold Temperatures:** Alkaline batteries may deplete quickly in cold weather. Consider using lithium batteries in the outdoor sensor for improved performance in low temperatures.

5.2 Cleaning

Wipe the sensor and receiver units with a soft, dry cloth. Do not use abrasive cleaners or solvents.

6. TROUBLESHOOTING

- **Frequent False Alarms:**
  - Ensure the sensor is mounted 3-4 feet above the ground.
  - Adjust the aiming angle of the sensor to avoid detecting small animals or nearby traffic.
  - Use the window covers to narrow the sensor's field of view.
  - Adjust the detection range dip switch to 6M if 12M is too sensitive for your environment.

- **No Alert from Receiver:**
  - Check if the receiver is powered on and connected to AC or has fresh batteries.
  - Ensure the sensor has fresh batteries and is powered on.
  - Verify that the sensor and receiver are within range (up to 500ft in open area). Large obstructions like thick walls can reduce range.
  - Confirm that the sensor and receiver are correctly paired. Refer to Section 3.4 for programming instructions.
  - Check the receiver's volume setting; ensure it is not muted.

- **Sensor LED Not Lighting Up:**
  - Check the internal LED dip switch (refer to Image 3.2); it might be set to OFF.
  - If the LED is off, the low battery indicator will also be disabled.

7. SPECIFICATIONS

Brand	KERUI
Model	DW9
Color	Black
Power Source (Receiver)	AC Adapter (DC-5V) or 3 x AA Batteries
Power Source (Sensor)	2 x AA Batteries
Sensor Battery Life	Up to 1 year
Maximum Detection Range	12 meters (adjustable to 6 meters)
Wireless Transmission Range	Up to 500 feet (150 meters) in open area
Sensor Viewing Angle	90 degrees (adjustable with window covers)
Receiver Volume Levels	5 (including mute), up to 100 dB
Receiver Melodies	16 selectable
Max Sensors Supported	8 sensors (2 per zone, 4 zones total)
Weather Resistance (Sensor)	IPV4 (weatherproof)

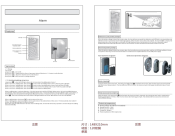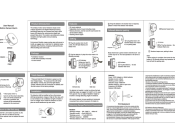| Product Dimensions	7 x 2.5 x 12 cm
Item Weight	320 g
UPC	607467347398
ASIN	B07FMLS64N

8. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided at the time of purchase or contact your retailer. Specific warranty terms may vary by region and seller.

For further technical support or inquiries, please visit the official KERUI website or contact their customer service department. The programming tutorial video (linked in Section 3.4) is also a valuable resource for setup and troubleshooting.

Related Documents - DW9

	[KERUI DW9 Alarm System User Manual and Technical Guide](#) Comprehensive user manual for the KERUI DW9 alarm system, detailing features, instructions for setting, adding/deleting detectors, low power prompts, clearing functions, and technical parameters. Includes guidance on operation and maintenance.
	[KERUI M116-2E Wireless Infrared Pet-Immunity Detector User Manual](#) User manual for the KERUI M116-2E Wireless Infrared Pet-Immunity Detector. Features include pet immunity, adjustable detection distance, RF alarm signal, and easy installation. Learn about installation, operation, and technical specifications.
	[KERUI M5 Infrared Detection Welcome Alarm User Manual](#) User manual for the KERUI M5 Infrared Detection Welcome Alarm. Learn about its features, installation, operation, and technical specifications for home, shop, and office security.
	[KERUI DW520 Motion Sensor Alarm User Manual](#) Detailed user manual for the KERUI DW520 Motion Sensor Alarm system, covering product introduction, features, setup, pairing, installation, and technical specifications. Includes FCC compliance information.

	[KERUI Standalone Siren Alarm System: Operating Instructions & Features](#) Learn about the KERUI Standalone Siren Alarm System. This guide covers product description, how to trigger accessories, add/reset devices, and technical parameters for this wireless security system.
	[Smart Security System User's Guide](#) User's guide for the Smart Security System, detailing setup, features, components, and specifications for home security. Covers installation, pairing, arming/disarming, and system management.