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› Dakota Alert DCMA-4k Plus Driveway Alarm System Instruction Manual

Dakota Alert DCMA-4k Plus

Dakota Alert DCMA-4k Plus Driveway Alarm System

INSTRUCTION MANUAL

Introduction

The Dakota Alert DCMA-4k Plus is a long-range wireless driveway alarm system designed to provide alerts when motion is detected on your property. This system includes a DCMT-4000 motion detector transmitter and an RE-4k Plus receiver, offering a wireless range of up to one mile. It is suitable for monitoring driveways, entrances, backyards, and other outdoor areas.



Image: The Dakota Alert DCMA-4k Plus system, showing the motion sensor and receiver units.

What's Included

Your Dakota Alert DCMA-4k Plus system typically includes the following components:

- DCMT-4000 Motion Detector Transmitter
- RE-4k Plus Receiver
- Mounting hardware for the sensor
- Power adapter for the receiver

Please check your package contents against the packing list to ensure all items are present.

Setup and Installation

Receiver Placement

The RE-4k Plus receiver should be placed indoors, ideally in a central location within your home or property to maximize signal reception from the outdoor sensors. Plug the receiver into a standard electrical outlet using the provided power adapter.

Motion Sensor (DCMT-4000) Installation

The DCMT-4000 motion sensor is designed for outdoor use. It operates on a single 9V battery (not included), which can last for a year or more. Install the battery before mounting.

1. **Select a Location:** Choose a location where the sensor can detect movement across the desired area, such as a driveway or pathway. Ensure there are no obstructions directly in front of the sensor that could cause false alarms (e.g., swaying branches, tall grass).
2. **Mount the Sensor:** Use the provided mounting hardware to securely attach the sensor to a stable surface, such as a post or tree. The sensor should be mounted at a height that allows for optimal detection of people or vehicles.
3. **Adjust Sensitivity:** The sensor may have adjustable sensitivity settings to fine-tune its detection range and reduce false alarms from small animals. Refer to the sensor's specific manual for details on adjusting this setting.



Image: The DCMT-4000 motion sensor mounted on a tree, illustrating its outdoor placement for 24/7 monitoring.

Pairing Sensors with the Receiver

The system uses code-learning technology for easy pairing. The RE-4k Plus receiver can pair with up to 16 sensors, and an unlimited number of receivers can be paired with one sensor.

1. **Enter Programming Mode:** Press and hold the 'Mode' button on the RE-4k Plus receiver for 3 seconds until the blue light starts blinking slowly.
2. **Select a Tune:** Press and release the 'Volume' button to cycle through the 16 available tunes. Choose the desired tune for this specific sensor.
3. **Activate Transmitter:** Activate the motion sensor (DCMT-4000) by passing your hand in front of it or by triggering it as if motion were detected. The receiver will emit a confirmation chime.
4. **Exit Programming Mode:** Press and hold the 'Mode' button on the receiver for 3 seconds to exit programming mode.
5. **Test:** Activate the transmitter again to confirm that the receiver is programmed and plays the selected tune.

Your browser does not support the video tag.

Video: Instructions on how to program the RE-4k Plus receiver to recognize a transmitter, including selecting a tune and confirming the pairing.

Operating Instructions

Volume Control

The RE-4k Plus receiver offers four different volume levels. Use the 'Volume' button to adjust the alert sound to your preferred level. This allows you to set an appropriate volume for your environment without being too loud or too quiet.

Customizable Tunes

With 16 available tunes, you can assign different sounds to different sensors. This feature is useful for distinguishing between alerts from various locations, such as a driveway entrance versus a backyard shed. For example, you can set a specific tune for when a vehicle enters and a different tune for when it exits, if using multiple sensors.



DON'T BE CAUGHT OFF GUARD

- The RE-4k Plus has 16 sounds to choose from to alert you
- There are four different volume levels
- You can set a different tune when a vehicle is entering and a different tune for when exiting
- Wireless range up to one mile from sensor to receiver
- Simple installation and easy to program
- Receiver has two relay outputs and one 12VDC output

RE-4k Plus Receiver

Image: The RE-4k Plus receiver highlighting its features, including 16 tunes and four volume levels.

External Device Integration

The RE-4k Plus receiver includes onboard form C relay outputs and a 12VDC relay output. These outputs enable connection to external devices such as sirens, strobe lights, or integration into a home automation or security system. Refer to the receiver's detailed wiring diagram in the full manual for specific connection instructions.



The image shows a white, oval-shaped RE-4k Plus receiver device with a blue circular logo on top. It has a terminal block on the front and a small circular port. The background is a dark, blurred indoor setting.

TRIGGERS EXTERNAL DEVICES

-  Siren Alarm
-  Strobe Warning Light
-  Home Automation & Security System

The onboard form C relay outputs and 12VDC relay output enables you to connect RE-4k Plus with external sirens, strobe lights, or to a security or automation system.

DA Dakota Alert, Inc.
WIRELESS SECURITY EQUIPMENT

Image: The RE-4k Plus receiver with its relay outputs, demonstrating its capability to trigger external devices like sirens or strobe lights.

Maintenance

Battery Replacement

The DCMT-4000 motion sensor operates on a single 9V alkaline battery. Under normal use, this battery can last for a year or more. When the battery is low, the sensor may exhibit reduced range or inconsistent detection. Replace the battery promptly to ensure continuous operation.

Weather Resistance

The outdoor motion sensor is designed to be weather-resistant. However, it is recommended to periodically check the sensor for any signs of water ingress or damage, especially after heavy rain or extreme weather conditions. Ensure the housing is securely closed and any seals are intact.



Image: An outdoor sensor highlighting its long battery life and weather-resistant design, ensuring reliable property monitoring.

Troubleshooting

- **No Alert from Receiver:**
 - Check if the receiver is properly plugged in and powered on.
 - Ensure the sensor's battery is fresh and correctly installed.
 - Verify that the sensor and receiver are properly paired (refer to 'Pairing Sensors' section).
 - Check the distance between the sensor and receiver; while rated for one mile, environmental factors (hills, dense foliage, metal structures) can reduce effective range.
- **False Alarms:**
 - Adjust the sensor's sensitivity setting to a lower level.
 - Reposition the sensor to avoid detecting small animals, swaying branches, or direct sunlight.
 - Ensure the sensor is not pointed at heat sources or reflective surfaces.
- **Inconsistent Detection:**
 - Replace the sensor battery, even if it appears to be working.
 - Check for any new obstructions between the sensor and receiver.
 - Ensure the sensor is securely mounted and not shifting due to wind.
- **Receiver Not Responding:**
 - Unplug the receiver, wait 30 seconds, and plug it back in to reset.
 - If issues persist, attempt to re-pair the sensor with the receiver.

Specifications

Feature	Specification
Model Number	DCMA-4k Plus
Brand	Dakota Alert
Wireless Range	Up to 1 mile (line of sight)
Sensor Power Source	9V Battery (Alkaline recommended)
Receiver Power Source	AC Power Adapter (included)
Number of Tunes	16
Volume Levels	4
Max Sensors per Receiver	16
Outputs	Form C Relay, 12VDC Relay
Installation Type	Self-Adhesive or Screw-In
Item Weight	1.54 pounds (total package)
Product Dimensions	9.1 x 9.1 x 9.1 inches

Warranty and Support

For warranty information, technical support, or to purchase additional components, please refer to the official Dakota Alert website or contact their customer service directly. Keep your purchase receipt for warranty claims.