



Dakota Alert®
WIRELESS SECURITY EQUIPMENT

Wireless Rubber Hose Transmitter

DCHT-4000

USER GUIDE

www.dakotaalert.com



This DCHT-4000 Wireless Rubber Hose Transmitter sends a signal to your DCR-4000 receiver when it detects a vehicle running over the hose. Connect multiple Wireless Rubber Hose Transmitters (or other transmitters) to your receiver to create a complete security system.

PACKAGE CONTENTS

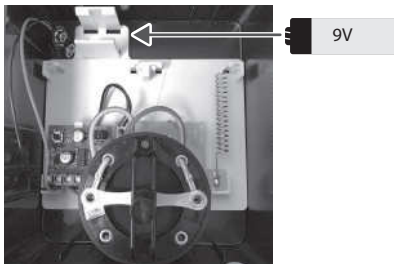
- Rubber Hose
- Transmitter
- *User Guide*

SETTING UP YOUR WIRELESS RUBBER HOSE

1. Install a 9V battery (not included). See “Installing the battery” on page 3.
2. Select a tune and connect your rubber hose transmitter to your receiver. See “Coding to your receiver” on page 4.
3. Position your rubber hose and the transmitter box. See “Positioning your rubber hose transmitter” on page 5.

INSTALLING THE BATTERY

1. Open the transmitter box lid.
2. Connect a 9V battery (not included) to the snap connectors, then slide it into the battery slot.



3. Close the transmitter box lid.

Note: If you hear a second alert immediately after the first alert, and nothing has activated the transmitter again, the battery in the transmitter box is low and should be replaced.

CODING TO YOUR RECEIVER

Note: You can connect up to 16 transmitters to your receiver.

1. Place your receiver and rubber hose transmitter near each other.
2. Press and hold the **MODE** and **🔊** (volume) buttons for three seconds. When all four lights flash, release the buttons.
3. Press **🔊** (volume) repeatedly until you find the tune you want to use.

1	Ding Dong (high)	5	Alarm/Siren	9	William Tell
2	Ding Dong (low)	6	Coo Coo Clock	10	Canon in D
3	Westminster	7	Bird Chirping	11	Morning
4	Fur Elise	8	Twinkle Twinkle	12	Toreador March

4. After you choose a tune, press the button inside the transmitter box to activate the transmitter. The receiver emits a short beep.



5. If you are coding more than one transmitter, repeat steps 3 and 4.

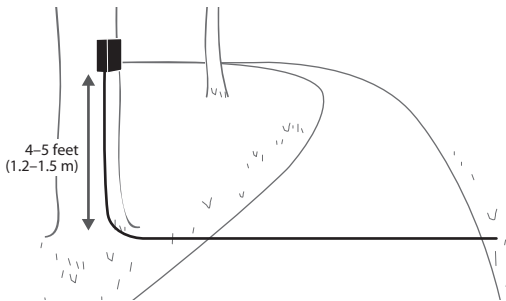
6. After your transmitter(s) are coded, press and hold the **MODE** button until the LEDs stop flashing.
7. To test the tune, press the button inside the transmitter box. You'll hear the selected tune through your receiver and the lights will flash.

POSITIONING YOUR RUBBER HOSE TRANSMITTER

1. Push the rubber hose onto the nozzle on the transmitter box.
2. Lay the rubber hose perpendicular across the driveway, then have a car drive across it to test it. You should hear an alert through your receiver.
3. Mount the transmitter box on a wooden post or a tree with two screws (not included). For the best results, the transmitter should be at least 4–5 feet (1.2–1.5 m) off the ground.

Note: Although the maximum range is about a mile, obstructions such as hills, trees, metal siding, and stucco can all reduce the range.

Mounting the transmitter box on a metal post may interfere with the transmitter's radio signal.



ADJUSTING THE VOLUME

- Press the  (volume) button repeatedly to adjust the volume (four levels and off). The lights show the volume level for four seconds.

TROUBLESHOOTING

If you are getting false alarms:

- If you hear a second alert immediately after the first alert, and nothing has activated the transmitter again, the battery in the transmitter box is low and should be replaced.

If the transmitter is not detecting:

- Change the battery in the transmitter box.
- Make sure that the transmitter is coded to the receiver. See “Coding to your receiver” on page 4.
- Move the transmitter closer to the receiver.
- Keep the transmitter away from large metal objects that may interfere with the radio signal.
- Adjust the air screw in the transmitter box. Turn it clockwise to increase the sensitivity.
- Check the rubber hose for any damage. If the hose is damaged, visit www.dakotaalert.com to purchase a replacement.

SPECIFICATIONS

- **Power source:** 9V alkaline battery
- **Motion detection range:** 433.92 MHz
- **Wireless range:** Up to 1 mi. (1.6 km)*
- **Rubber hose length:** 25 ft. (7.62 m)
- **Operating temperature:** -30 to 120°F (-34.4 to 48.9°C)

*Actual range will vary depending on local terrain and obstructions.

TECH SUPPORT

If you have problems using this product after reading this manual, please contact us. You can reach us by phone at 605-356-2772 from 8:30 AM to 5:00 PM Monday through Friday (Central Standard Time). We will be happy to answer your questions and help you in any way we can.

WARRANTY

Dakota Alert warrants this product to be free of defects in materials and workmanship for a period of one year from the date of purchase. This warranty does not cover damage resulting from accident, abuse, act of God, or improper operation. If this product does become defective, simply return it to Dakota Alert. Please include a note describing the troubles along with your name and return address as well as the original sales receipt. If the product is covered under the warranty it will be repaired or replaced at no charge. If it is not covered by the warranty, you will be notified of any charges before work is done.

LEGAL NOTICES

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

 **WARNING:** Cancer and Reproductive Harm. Go to www.P65Warnings.ca.gov for more information.

Dakota Alert, Inc.

www.dakotaalert.com

Phone: (605) 356-2772 | **Fax:** (605) 356-3662

Address: 32556 477th Ave. | PO Box 130 | Elk Point, SD 57025

19-0040



DATM **Dakota Alert**[®]

WIRELESS SECURITY EQUIPMENT

Wireless Receiver

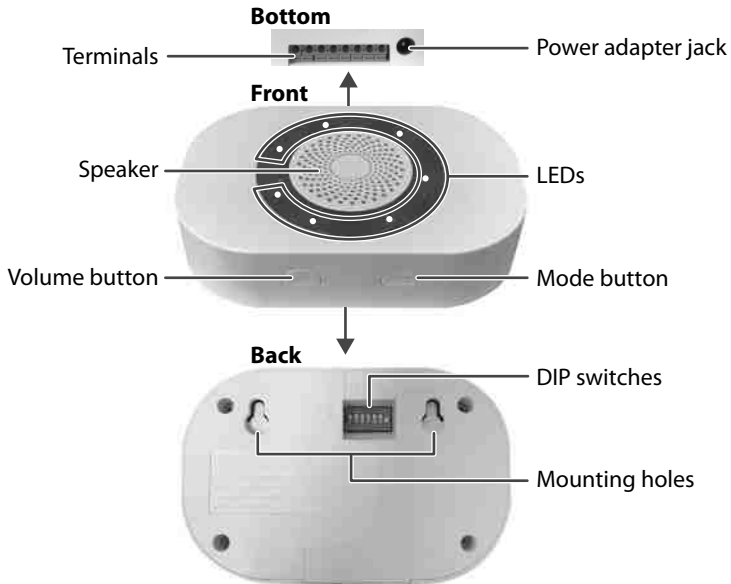
RE-4k Plus

USER GUIDE



www.dakotaalert.com

OVERVIEW

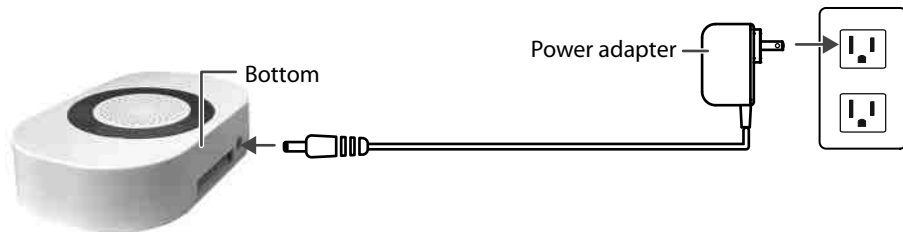


PACKAGE CONTENTS

- RE-4k Plus receiver
- Power adapter
- *User Guide*

POWERING YOUR RECEIVER

1. Connect the power adapter to the jack in the bottom of the receiver.
2. Plug the power adapter into an AC outlet.



SETTING UP YOUR RECEIVER

“Basic Setup” lets you choose the tune and LED settings you want for Dakota Alert 4000 Series transmitters. In addition to tune and LED settings, “Advanced Setup” lets you set up exterior sensors using the Relay 1, Relay 2, and the 12 VDC terminals.

BASIC SETUP

Note: You can connect up to 16 Dakota Alert 4000 Series transmitters to your receiver.

1. Place your receiver and transmitter(s) next to each other.

Note: Be careful not to activate your transmitter until you select the tune you want. If you do accidentally activate the transmitter on the wrong tune, reselect a tune and reactivate the transmitter.

2. Press and hold the **MODE** button for three seconds until all LEDs flash and start blinking slowly.
3. Press the  (volume) button repeatedly until you find the tune you want to sound when a transmitter is activated.

1	Ding Dong (high)	5	Alarm/Siren	9	William Tell	13	Beep (high)
2	Ding Dong (low)	6	Coo Coo Clock	10	Canon in D	14	Beep (low)
3	Westminster	7	Bird Chirping	11	Morning	15	Beep, Beep
4	Fur Elise	8	Twinkle Twinkle	12	Toreador March	16	Beep, Beep, Beep, Beep

4. After you choose a tune, activate the transmitter (for example, press its button or wave your hand over its motion sensor). The receiver emits a short beep to confirm the transmitter has been coded.

Note: If you accidentally activate the transmitter on the wrong tune, press the  (volume) button to reselect a tune and reactivate the transmitter.

5. If you are coding more than one transmitter, repeat steps 3–4.
6. After your transmitter(s) are coded, press and hold the **MODE** button until the LEDs stop flashing.
7. To test the transmitter tune, activate the transmitter. You'll hear the selected tune through your receiver and the LEDs will flash.

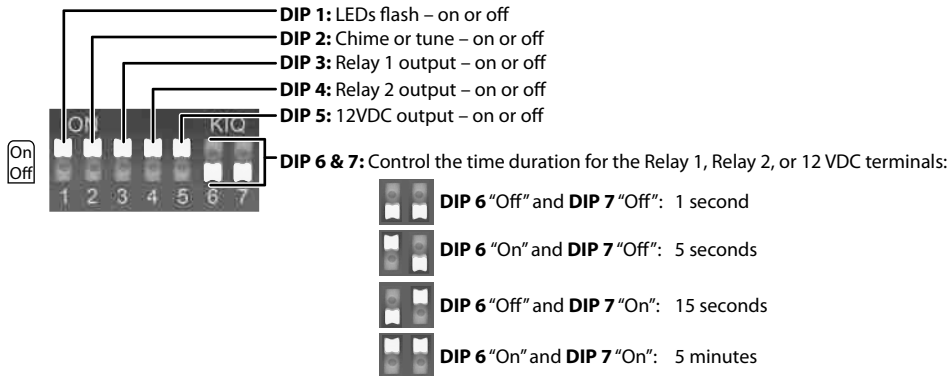
ADVANCED SETUP

Note: You can connect up to 16 Dakota Alert 4000 Series transmitters to your receiver. Each transmitter can be set to independently sound a tune, flash the LED, or control the 12VDC output and relay outputs for the selected time.

1. Place your receiver and transmitter(s) next to each other.

Note: Be careful not to activate your transmitter until you select the tune you want. If you do accidentally activate the transmitter on the wrong tune, reselect a tune and reactivate the transmitter.

2. Press and hold the **MODE** button for three seconds until all LEDs flash and start blinking slowly.
3. Set the DIP switches to control the actions when a signal is received:



4. Press the  (volume) button repeatedly until you find the tune you want to sound when a transmitter is activated.

1	Ding Dong (high)	5	Alarm/Siren	9	William Tell	13	Beep (high)
2	Ding Dong (low)	6	Coo Coo Clock	10	Canon in D	14	Beep (low)
3	Westminster	7	Bird Chirping	11	Morning	15	Beep, Beep
4	Fur Elise	8	Twinkle Twinkle	12	Toreador March	16	Beep, Beep, Beep, Beep

5. After you choose a tune and set the DIP switches to control the outputs, activate the transmitter (for example, press its button or wave your hand over its motion sensor). The receiver emits a short beep to confirm the transmitter has been coded.
- Note:** If you accidentally activate the transmitter on the wrong tune, press the  (volume) button to reselect a tune and reactivate the transmitter.
6. If you are coding more than one transmitter, repeat steps 3–5.
7. After you have coded your transmitter(s), press and hold the **MODE** button until the LEDs stop flashing.
8. To test your transmitter tune and outputs, activate the transmitter. You'll hear the selected tune, the LEDs will flash for 15 seconds, and the relay and voltage outputs will activate (if these options are programmed).

CONNECTING WIRES TO THE TERMINALS

The RE-4k Plus receiver has two relay outputs (NO, COM, NC) and a 12 VDC (+ and -) output terminal.

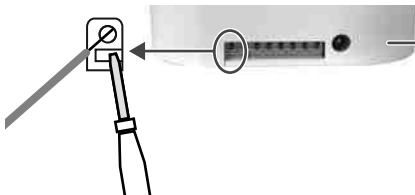


Back of receiver

1. To connect lead wires to the terminals, strip off 3/8" (10 mm) of insulation from the end of the wire.

Note: The terminals work with wire gauges from 22 to 16 AWG (low voltage only).

2. With a small screwdriver, press the orange button to open the terminal.
3. Insert the bare end of the wire into the terminal opening, then release the orange button. The terminal clamps down on the wire.
4. Pull gently on the wire to make sure that your connection is secure.



Bottom of receiver

ADJUSTING THE VOLUME

Press the  (volume) button repeatedly to adjust the volume (four levels and off). The LEDs show the volume level for four seconds.

LOW BATTERY INDICATOR

If the RE-4k Plus receiver plays your transmitter's tune twice and the LED blinks slowly for ten minutes after the transmitter is activated, your sensor's battery is low. Replace the battery.

CANCELLING OUTPUT SIGNALS

After the RE-4k Plus receives a signal, the relay and voltage outputs activate, the chime sounds, and the LED flashes for 15 seconds. If you want to stop these actions after they have started, briefly press the **MODE** button. The receiver resets and is ready to be activated again.

DELETING ALL SENSORS

1. Press and hold the **MODE** button for three seconds until the LEDs flash slowly.
2. Press and hold the **MODE** and **🔊** (volume) buttons again for five seconds. The four lights flash quickly, then turn off. The receiver is reset, and all codes are deleted.

Note: To recode transmitters to the receiver, see “Basic Setup” or “Advanced Setup.”



MOUNTING THE RECEIVER

Attach two screws (not included) or nails to your wall 2.6 inches (6.7 cm) apart, then hang your receiver.



SPECIFICATIONS

- **Power supply:** 12 VDC, 500 mA
- **Wireless range:** up to 1 mi. (1.6 km)*
- **Dimensions:** 5 × 3.3 × 1.3 in. (12.7 × 8.3 × 3.2 cm)
- **Operating frequencies:** 433 MHz

*Actual range will vary depending on local terrain and obstructions.

TECH SUPPORT

If you have problems using this product after reading this manual, please contact us. You can reach us by phone at 605-356-2772 from 8:30 AM to 5:00 PM Monday through Friday (Central Standard Time). We will be happy to answer your questions and help you in any way we can.

WARRANTY

Dakota Alert warrants this product to be free of defects in materials and workmanship for a period of one year from the date of purchase. This warranty does not cover damage resulting from accident, abuse, act of God, or improper operation. If this product does become defective, simply return it to Dakota Alert. Please include a note describing the troubles along with your name and return address as well as the original sales receipt. If the product is covered under the warranty it will be repaired or replaced at no charge. If it is not covered by the warranty, you will be notified of any charges before work is done.

LEGAL NOTICES

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

 **WARNING:** Cancer and Reproductive Harm. Go to www.P65Warnings.ca.gov for more information.

Dakota Alert, Inc.

www.dakotaalert.com

Phone: (605) 356-2772

Fax: (605) 356-3662

Address: 32556 477th Ave. | P0 Box 130 | Elk Point, SD 57025
19-0357

