



Radio Frequency Do's & Don'ts

Please read before installing !

Almost all of us have used a cordless phone, cellular phone, or FRS radios by now. They all work with the same principles as our wireless products only they have the advantage of us listening to hear when we are in a bad location by hearing static or noise and knowing we have to move closer or move to a hill (higher) to acquire better signal reception. Radio frequency (wireless) in simple terms consists of a transmitter and a receiver. Our transmitters send data via radio frequency (wireless) to the receiver (inside) triggering a tone or alert inside your home. Line of sight with no obstructions between outside device and inside receiver are always favorable for the best results. 98% of our tech support phone calls are asking why my sensor isn't working or is intermittent in sensing. And 98% of the time it is poor communications between outside sensor and inside receiver. A good example is using your cordless phone or cell phone and stepping one direction or the other to sound clear or full of static and noise. The difference is you are able to hear the noise and adjust your location. Because our devices send data, the only way to determine "noise" or "static" is by your system not "beeping" or intermittent and/or erratic operation.

Learn how your sensing device works by trying it first in your house before mounting it at the location that you want to install it. All variables are less of a factor the closer the receiver and sensor are to each other. In other words it is more critical at 700 foot distance than at 100 foot distance from transmitter to receiver.

Do's

- Mount the receiver as high as possible in your home.
- Make transmitter to receiver as clear of obstructions as possible.
- Try your sensor and receiver inside before mounting to understand how unit operates.
- Set the receiver at a window on the same side of the house as the sensor.

Don'ts

- Do not set the receiver on the floor inside your home.
- Do not place the receiver in a basement.
- Do not set your receiver next to cordless phones, computers, or any other electronic devices.
- Do not set the receiver next to metal devices.
- Do not mount the outside sensor on metal.
- Do not set your outdoor sensor on the ground to test.

Other Wireless Facts:

- Steel or aluminum siding can greatly reduce range of transmitter to receiver range.
- Metalized Celotex under siding or brick can have a huge effect on reduction of range.
- Brick and masonry will have a substantial range reduction.
- Height is a huge factor in performance of transmission distance.
- Glass windows provide the least resistance to radio frequency.
- Always try to place your receiver at a window on the same side of your home as the sensor outside.
- The closer the sensor is to the receiver, the less that the above play into as factors.
- Mounting an outdoor sensor over a hill has the most reducing effect of radio frequency distance.
- Usually small receiver relocations are all that is needed.
- 2nd story placement of the receiver can result in a huge distance increase if applicable.
- Maximum height and minimum obstructions are the largest benefit in range.
- Our units distance are rated line of sight average. You can experience more or less range than rated.
- Weather conditions can also change performance of distance.
- Over a period of time range can slightly degrade as product ages, frequencies of product slightly shift, foliage growth, or local RF interference changes. You may need to relocate the sensor closer to the receiver.

Digital Probe Owners Manual

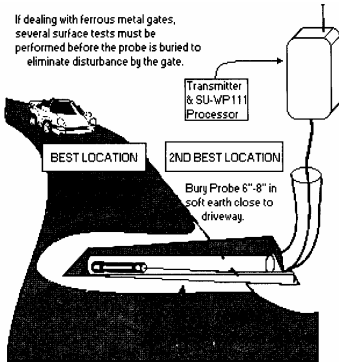


The wireless probe is great for high wildlife activity, most of all deer. You will never be awakened in the middle of the night with animal triggers. The probe offers extremely reliable detection for vehicles only. The probe system will detect vehicles within a 14 foot radius from the probe. The tough PVC watertight probe is buried next to the driveway and the 50 foot direct burial cable runs to the NEMA4X rated weatherproof control box, which houses the electronics and the batteries. The control box can be mounted on the backside of a pole, tree, building, etc. for a stealth appearance.

Recommended Probe Mounting

There are two possible ways to successfully install your probe.

- 1st Choice - Center of Driveway
- 2nd Choice - Alongside Driveway



Choosing to bury your probe in the center of your driveway offers a few benefits:

1. Sensitivity can be lowered for greater stability
2. Range can be extended for a wide driveway

If you choose to bury your probe under your driveway, it should be encased in a 2 or 3" PVC pipe that has been sealed at one end. By placing the probe in a PVC pipe, you are allowing yourself an easier time retrieving the probe at a later date. It is also very important that the pipe be pitched. This allows for proper drainage.



If you choose to bury your probe next to your driveway:

Bury your probe 6 - 8" below ground close to the driveway. The probe needs to be parallel to the traffic motion.

**Try unit in house or close proximity before mounting probe and outdoor housing.
Learn how your unit operates before taking it a long distance away.**

Try unit in desired area several weeks before burying probe !

Recommended Control Box Mounting



The first and most important thing to remember when mounting your control box is that the higher you can get the control box the more range you will get.

Mount the transmitter box as high on tree, pole, building, etc. as you can.

Mount the transmitter at least 10 feet from the probe.

Securely attach the control box to a tree, pole, building, etc. using the bracket and mounting screws provided.

Secure cable to mounting surface, to avoid damage to the cable and control box.

Do Not permanently splice connections yet. Test the unit for a couple weeks, making sure that you are receiving the expected detection.

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Changing Batteries

Attention !!!!

You must install the two 9 volt batteries before unit will operate. Unit will oscillate and transmit for several minutes before stable operation will occur. The 3 volt transmitter battery is shipped installed.



Other Mounting Tips And Tricks

- ◆ The range of the probe will cover a 14 ft. driveway
- ◆ Lay probe as close to driveway as possible.
- ◆ Do not cut probe cable. Coil up any extra.
- ◆ Do not bury probe within 5 ft. of power cables or transformers.
- ◆ Do not bury probe within 20 ft. of radio transmitter towers.
- ◆ Do not bury probe within 25 ft. of residential traffic.
- ◆ Do not bury probe within 40 ft. of highway traffic.
- ◆ Do not bury probe within 100 ft. of moving trains.
- ◆ Do not set the receiver on the floor in your house.
- ◆ Mount transmitter box at least 10 ft. from probe.
- ◆ The higher the receiver and box outdoors, the more range you will get.
- ◆ 9 volt lithium batteries will last longest.
- ◆ Install probe parallel with driveway.
- ◆ Mount transmitter box as high on tree, pole, building, etc. as you can.
- ◆ The higher the transmitter box, the greater range to receiver in house.
- ◆ Initial stabilization when installing battery may take several minutes.
- ◆ Over tightening screws can warp box allowing moisture to enter box.
- ◆ Always keep sensitivity as minimal as possible to avoid any false signals.
- ◆ Probe slid in PVC pipe, capped on one end and pitched for drainage, will give the longest life to probe and is recommended but not required.

1 Overview

The Xtralert digital receiver allows you to add up to four transmitters to any application. With diversity reception and advanced signal processing, Jansen Electronics Xtralert digital technology is designed to minimize dead spots in transmission areas.

1.1 Jansen Electronics Contact Information

If you have any problems with this procedure, contact Jansen Electronics technical services:

- E-mail: info@jansenelectronics.com
- Phone: (815)232-3093

1.2 LEDs and Buttons

Alarm LED: Lights when the selected transmitter is sending an alarm transmission.

Tamper LED: Lights when the selected transmitter is sending a tamper transmission.

Low Battery LED: Lights when the selected transmitter has a low battery

Fault LED: Lights when the selected transmitter is inactive.

Power LED: Lights when receiving power.

Transmitter Number LEDs: Shows status of the transmitter assigned to that number when lit.

Advance Button: Scrolls through transmitters to display status.

Note: If none of the transmitters are selected, none of the status LEDs will be lit. LEDs only light to display the transmitter currently selected.



Figure 1: Receiver LEDs and Buttons

2 Mount the Receiver

1. Use the provided anchors and screws to mount the receiver in a location accessible for future maintenance.
2. Perform a walk test, activating each transmitter assigned to the receiver and ensuring that an ensuring an appropriate response.

Caution: Mount the receiver in a location removed from metal. Metal objects will reduce RF range.

Warranty/Disclaimer

Jansen Electronics "JE" warrants its products ("Product" or "Products") to conform to its own specifications and to be free of defects in materials and workmanship under normal use for a period of 12 months (unless otherwise stated) from the date of purchase. Within the warranty period, JE will repair or replace, at its option, all or any part of the warranted product. JE will not be responsible for dismantling and or reinstallation charges. To exercise the warranty, the user ("user", "installer" or "consumer") must contact JE and receive a Return Material Authorization ("RMA") number by JE. This warranty is void in cases of improper installation, misuse, failure to follow installation and operating instructions, alteration, accident or tampering and repair by anyone other than JE.

This warranty is exclusive and expressly in lieu of all other warranties, obligations or liabilities, whether written, oral, express, or implied. There is no warranty by JE that JE product will be merchantable or fit for any particular purpose, nor is there any other warranty, expressed or implied, except as such is expressly set forth herein. In no event shall JE be liable for an incidental, consequential, indirect, special or exemplary damages, including but not limited to loss of profit, revenue, or contract, loss of use, cost of down time, or interruption of business, nor any claim made by distributor's customers or any other person or entity. This warranty will not be modified or extended. JE does not authorize any person to act on its behalf to modify or extend this warranty. This warranty will apply only to JE products. JE will not be liable for any direct, incidental or consequential damage or loss whatsoever, caused by the malfunction of product due to products, accessories, or attachments of other manufacturers, including batteries, used in conjunction with JE products.

Caution: Changes or modifications to this unit not expressly approved by Jansen Electronics may void the installer's authority to operate the equipment as well as the product warranty.