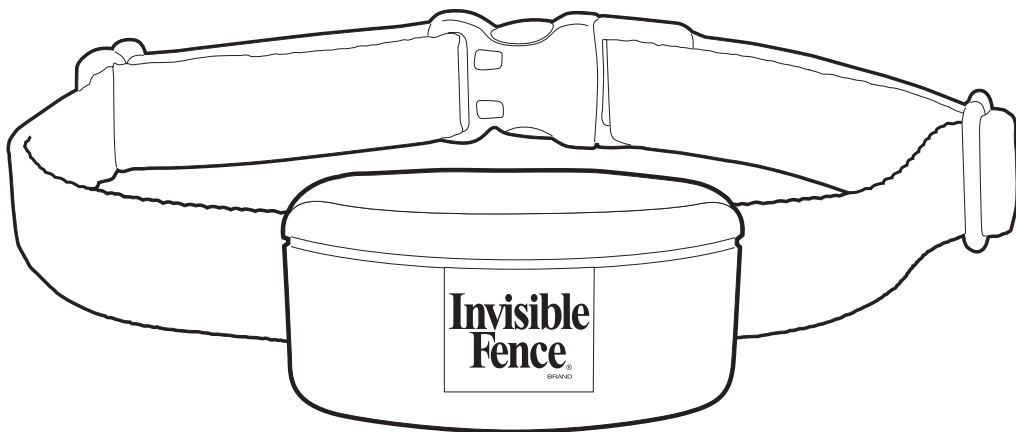
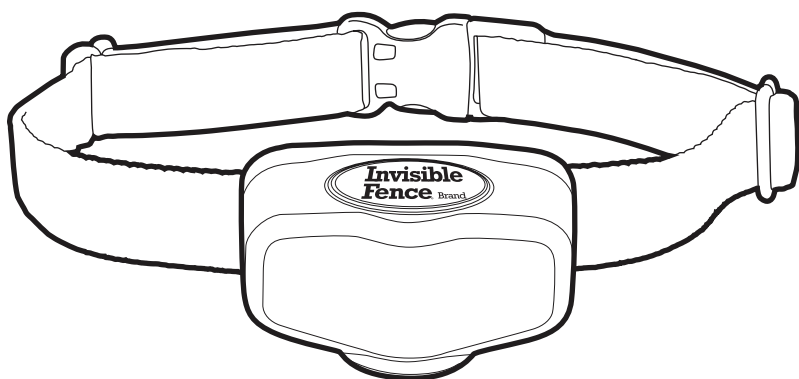




Invisible Fence® Brand

Boundary Plus® R23 & MicroLite® Plus Computer Collar® Units Owner's Manual



www.InvisibleFence.com

Important Precautions

- Invisible Fence® Brand pet containment systems have contained over two million pets. However, there are some precautions you should take.
- Read and retain manuals: Read the entire Owner's Manual before using your new Invisible Fence® Brand pet containment system.
- Adhere to all warnings and cautions contained in any Invisible Fence® Brand manual.

⚠ WARNING

WARNING indicates a hazardous situation, which, if not avoided, could result in death or serious injury.

CAUTION

CAUTION used without the safety alert symbol, indicates a hazardous situation, which, if not avoided, could result in harm to your pet.

NOTICE

NOTICE is used to address safe use practices not related to personal injury.

⚠ WARNING

- Never open a Power Cap® Battery, dispose of it in a fire, recharge it, expose it to heat above 212° F (100° C), or expose its contents to water. Doing so can cause leakage or explosion and may lead to personal injury.
- Not every pet can be trained to avoid the established boundary. Sometimes even a properly trained pet may cross the boundary. Therefore, Invisible Fence, Inc., as well as Invisible Fence® Distributors and Dealers, cannot guarantee the system will, in all cases, keep a customer's pet within the established boundary. Accordingly, if a customer has reason to believe that their pet may pose a danger to others, or harm itself, the customer should not rely solely upon the Invisible Fence® Brand pet containment system to keep the pet from crossing the boundary.
- Do not install, connect, or remove your system during a lightning storm. If the storm is close enough for you to hear thunder, it is close enough to create hazardous surges.

CAUTION

Read and follow the important instructions on how to avoid pressure necrosis. Proper fit of the Computer Collar® Unit is important. A Computer Collar® Unit worn for too long or made too tight on the pet's neck may cause skin damage. Ranging from redness to pressure ulcers; this condition is commonly known as bedsores.

The following tips will help keep your pet safe and comfortable. Millions of pets are comfortable while they wear stainless steel posts. Some pets are sensitive to contact pressure. You may find after some time that your pet is very tolerant of the Computer Collar® Unit. If so, you may relax some of these precautions. It is important to continue daily checks of the contact area. If redness or sores are found, discontinue use until the skin has fully healed.

- Avoid leaving the Computer Collar® Unit on the pet for more than 12 hours per day.
- When possible, reposition the Computer Collar® Unit on the pet's neck every 1 to 2 hours.
- Check the fit to prevent excessive pressure; follow the instructions in this manual.
- Never connect a leash to the Computer Collar® Unit; it will cause excessive pressure on the contacts.
- When using a separate collar for a leash, don't put pressure on the Computer Collar® Unit.
- Wash the pet's neck area and the contacts of the Computer Collar® Unit weekly with a damp cloth.
- Examine the contact area daily for signs of a rash or a sore.
- If a rash or sore is found, discontinue use of the Computer Collar® Unit until the skin is healed.
- If the condition persists beyond 48 hours, see your veterinarian.

You may need to trim the hair in the area of the Correction Posts or switch to the longer Correction Posts to ensure consistent contact. Never shave the pet's neck; this may lead to a rash or infection.

To prevent an unintended correction:

- The Computer Collar® Unit should not be on your pet when the system is tested.
- Remove the Computer Collar® Unit before making any changes to your system.
- Before placing the Computer Collar® Unit on your pet, test the Boundary Area and Width after any change.
- The use of any power source other than a Power Cap® Battery may cause a Computer Collar® Unit to operate erratically or fail. The use of unnecessary force may damage the case and render the Power Cap® Battery inoperable.
- Train your pet according to the instructions in the Invisible Fence® Brand training manuals. Complete all steps before allowing your pet to run free. Do not become overly confident if your pet has become conditioned to the Invisible Fence® Brand pet containment system sooner than expected.
- Your Invisible Fence® Brand Dealer has professionally installed your pet containment system and ensured it is working properly. You will want to perform periodic maintenance checks to make sure the system is properly functioning for your pet's safe containment.
- Check the Invisible Fence® Brand transmitter periodically to make sure it is operating properly. To do this, simply bring the Computer Collar® Unit to the edge of the containment field to verify function.
- The transmitter has visual and audible signals to warn of a system malfunction. The transmitter should be installed where such signals may be easily seen and heard. If the transmitter is installed by the customer in an enclosed box, or in a place not readily accessible to the customer, the customer will not benefit from the system's warning functions, for which Invisible Fence, Inc., as well as Invisible Fence® Distributors and Dealers, assume no responsibility.
- Do not attempt to service any Invisible Fence® Brand equipment. Refer all service to your authorized Invisible Fence® Brand Dealer. Only your authorized Invisible Fence® Brand Dealer should make adjustments to your pet containment system.
- All Invisible Fence® Brand pet containment systems are designed for domesticated animal use only. Never attempt to use this product for any purpose not specifically described in this manual.

NOTICE

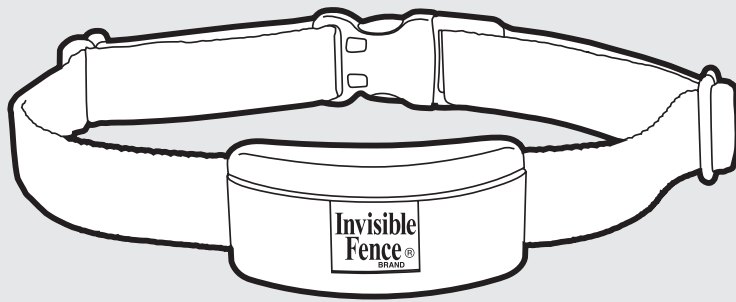
- Use care when mowing, aerating, or trimming your lawn so as not to cut the loop wire.
- If you have any questions about any aspect of your Invisible Fence® Brand pet containment system, call your Invisible Fence® Brand Dealer immediately.

Congratulations on your purchase of the world’s premier pet containment solution, the Invisible Fence® Brand. When professionally installed, the Invisible Fence® Brand pet containment system is backed with a one-year, money-back performance guarantee. The support of your Invisible Fence® Brand Dealer gives you peace of mind that your pet remains safe at home. Refer to the back of your sales contract for complete details.

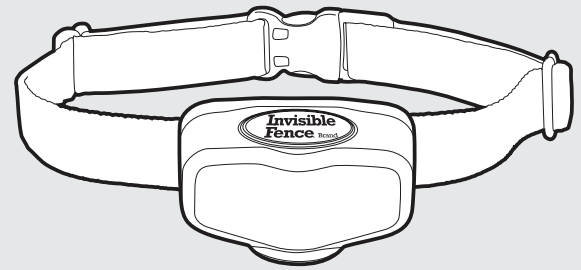
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Components



**Boundary Plus® R23
Computer Collar® Unit**



**MicroLite® Plus
Computer Collar® Unit**



Power Cap® Battery



Owner's Manual

How the System Works

The Boundary Plus® and MicroLite® Plus Computer Collar® Units are compatible with Boundary Plus® and 800 Series Transmitters to contain your pet within areas you choose, or teach your pet to avoid specific areas such as flower beds, gardens, or pools. The transmitter produces a signal that travels along the signal field wire and back to the transmitter to produce an Invisible Boundary® barrier.

When your pet approaches the established boundary, the Computer Collar® Unit generates a tone and correction to remind your pet of the boundary. With training and praise, your pet will quickly learn to avoid the established boundary.

Definition: A correction is a training term used to describe an action taken to discourage unwanted pet behavior. The Computer Collar® Unit applies a correction when your pet crosses the boundary of an Invisible Fence® Brand electronic pet containment system. Corrections are used in combination with rewards to alter unwanted pet behavior.

Your Invisible Fence® Brand pet containment system will only work when:

- The transformer is connected to the transmitter and to a functional standard electric outlet, via an approved Lightning Protection Device. All Invisible Fence® Brand pet containment systems must be grounded per the National Electric Code to be protected against lightning (North American customers only).
- The transmitter is ON, connected to the signal field wire, and producing a signal along the entire length of the wire.
- The signal field wire is intact, continuous, and the transmitter's Status Indicator light is blinking blue.
- The Computer Collar® Unit is correctly fitted and worn by your pet. The Computer Collar® Unit must be adjusted so that both of the correction posts touch your pet's skin.
- The Power Cap® Battery in the Computer Collar® Unit is good and correctly installed. See page 6 and 7 for proper Power Cap® Battery operation.

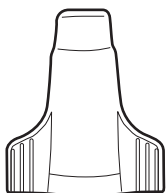
About Thunder and Electrical Storms: Even though your Invisible Fence® Brand pet containment system is equipped with a Lightning Protection Device (North American customers only), it is still possible that it may be damaged during a thunderstorm, or when an electrical storm is in the area. After a storm has ended, check the signal field width. See page 8 for periodic maintenance checks.

Operating Guide

The Boundary Plus® R23 and MicroLite® Plus Computer Collar® Units

The Boundary Plus® R23 and MicroLite® Plus Computer Collar® Units are patented microprocessor-controlled devices, powered by a patented Power Cap® Battery.

ONLY use the post tightening tool to tighten the stainless steel correction posts. DO NOT secure the correction posts in the Computer Collar® Unit with any kind of glue or adhesive.

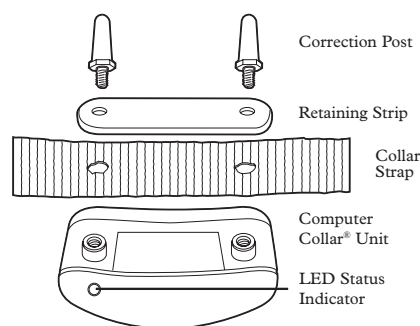


Fitting the Computer Collar® Unit

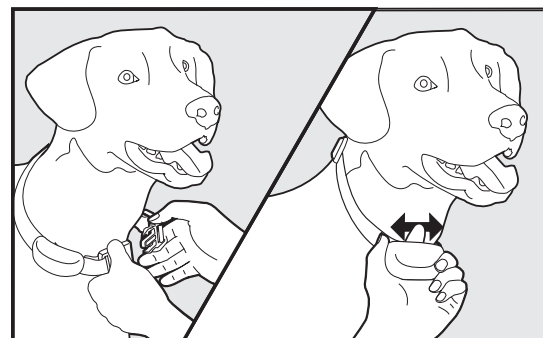
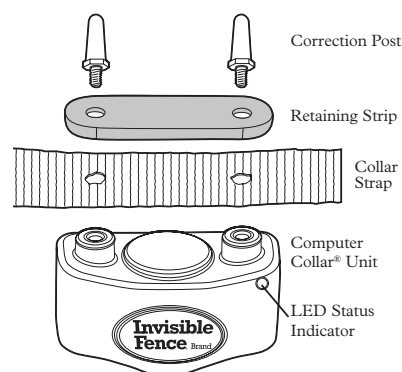
To work properly, the correction posts on the Computer Collar® Unit must touch your pet's skin.

1. Position the collar strap high on your pet's neck with the Computer Collar® Unit under your pet's jaw.
2. To avoid having a collar that is too tight on a thick-haired pet, thin some hair away in order to allow the correction posts to make contact with the skin. Do not shave the pet's neck.
3. Tighten the collar strap of the Computer Collar® Unit appropriately. Adjust the collar strap so it is snug enough to slide only one finger between a correction post and your pet's skin.
4. Adjust the fit of the Computer Collar® Unit as necessary as your pet's coat, weight, and age change. Your pet's coat may change from season to season.
5. Allow your pet to become accustomed to its new Computer Collar® Unit. The collar must be removed each night during the first month of training. This ensures proper fit and avoids the possibility of skin irritation.
6. After training is complete, remove your pet's Computer Collar® Unit each night if possible. This will help prevent irritation. However, if this is not possible, please check the tightness of the collar each time you feed your pet by removing the collar and then replacing it back on your pet.
7. The Computer Collar® Unit is waterproof. If the nylon collar strap becomes wet, it is recommended that it be removed from your pet and be allowed to air dry before replacing the collar on your pet's neck.

Boundary Plus® R23 Computer Collar® Unit



MicroLite® Plus Computer Collar® Unit



Computer Collar® Unit Power Cap® Battery Status

The Computer Collar® Unit monitors Power Cap® Battery status. Each time you insert a Power Cap® Battery into your Computer Collar® Unit it performs a battery test. The LED status indicator will show a flashing light, indicating power status.

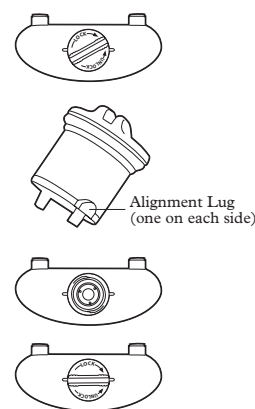
At Start-Up		
Color	Indicator	Status
GREEN	5 flashes	Battery strength is good
RED	4 flashes	Battery strength is weakening; replace at first opportunity
NO LIGHT		Battery is dead; replace immediately

Should the red LED flash continuously while your pet is wearing the Computer Collar® Unit, the Power Cap® Battery strength is dangerously low; replace Power Cap® Battery immediately.

Replace your existing Power Cap® Battery with one supplied via your Power Cap® Battery plan, available through your Invisible Fence® Brand Dealer. If a fresh Power Cap® Battery is not available, contact your Invisible Fence® Brand Dealer for a replacement. Once a replacement Power Cap® Battery is installed and the signal field checked (see page 8 for instructions on checking the signal field), put the Computer Collar® Unit on your pet. The Invisible Fence® Brand pet containment system is now ready.

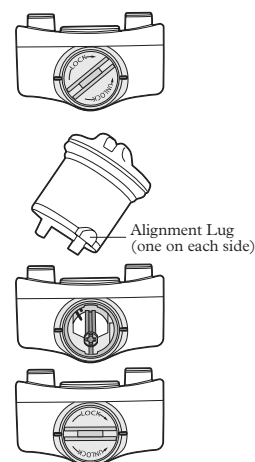
Changing the Power Cap® Battery - Boundary Plus® R23 Computer Collar®

1. Use a small, thin coin to remove the Power Cap® Battery from the Boundary Plus® Computer Collar® Unit. Insert the coin in the slot on top of the Power Cap® Battery and turn it counter-clockwise. Do not push down while turning. The Power Cap® Battery will rotate up and out of the Boundary Plus® Computer Collar® Unit's battery chamber.
2. Install a new Power Cap® Battery using the following steps:
 - a. Line up the lugs on the bottom of the Power Cap® Battery with the grooves in the sides of the Boundary Plus® Computer Collar® Unit's battery chamber. Make sure the metal tabs on the bottom of the Power Cap® Battery are not bent.
 - b. Place the Power Cap® Battery into the chamber while gently, but firmly, turning it clockwise with your fingers.
 - c. Use a small, thin coin in the slot on top of the Power Cap® Battery to turn it clockwise until the slot on the top of the Power Cap® Battery is lined up with the two small raised tabs on the bottom of the Computer Collar® Unit. Do not over-tighten by turning the slot past the tabs on the Computer Collar® Unit.



Changing the Power Cap® Battery - MicroLite® Plus Computer Collar®

1. Use a small, thin coin to remove the Power Cap® Battery from the MicroLite® Plus Computer Collar® Unit. Insert the coin in the slot on top of the Power Cap® Battery and turn it 45 degrees counter-clockwise. Do not push down while turning. The Power Cap® Battery will rotate while the spring inside will push the Power Cap® Battery out of the MicroLite® Plus Computer Collar® Unit's battery chamber.
2. Install a new Power Cap® Battery using the following steps:
 - a. Line up the lugs on the bottom of the Power Cap® Battery with the grooves in the sides of the MicroLite® Plus Computer Collar® Unit's battery chamber. Make sure the metal tabs on the bottom of the Power Cap® Battery are not bent.
 - b. Place the Power Cap® Battery into the chamber while gently, but firmly, turning it clockwise 45 degrees with your fingers.
 - c. Use a small, thin coin in the slot on top of the Power Cap® Battery to turn it clockwise until the slot on the top of the Power Cap® Battery is lined up with the two small raised tabs on the bottom of the Computer Collar® Unit. Do not over-tighten by turning the slot past the tabs on the Computer Collar® Unit.



On average, the Power Cap® Battery should be changed every 3 months. Low temperatures, the number of times the pet challenges the pet containment system boundary, and improper collar fit can all reduce Power Cap® Battery life.

⚠ WARNING

The use of any power source other than an Invisible Fence® Brand Power Cap® Battery may cause a Computer Collar® Unit to operate erratically or fail. The use of unnecessary force may damage the case and render the Power Cap® Battery inoperable. NEVER open a Power Cap® Battery, dispose of it in fire, recharge it, expose it to heat above 212°F (100°C), or expose its contents to water. Doing so can cause leakage or explosion and may lead to personal injury.

Periodic Maintenance Checks

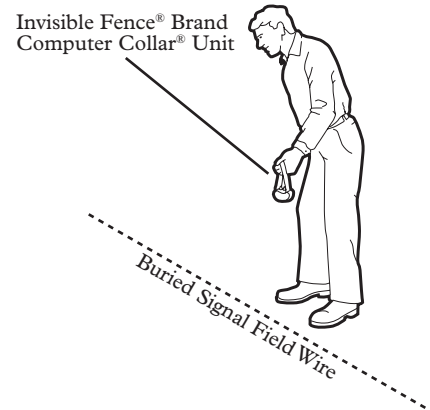
System Device	How Often	What to Look For
Boundary Plus® R23 & MicroLite® Plus Computer Collar® Units	Daily	• Check Power Cap® Battery status light • Review chart for status indicators (see page 7)
Signal Field	Monthly and after a thunderstorm	• Verify the signal field wire is active throughout the property, see Monthly Signal Field Test below

Monthly Signal Field Test

You should always be aware of your system's signal field.

Check the signal field from only one place on the signal field loop wire. Always check the signal field from the same place. Take the Computer Collar® Unit off your pet to measure the signal field.

1. Hold the Invisible Fence® Brand Computer Collar® Unit so it is parallel to the signal field wire.
2. Hold the collar so it is about the same height and at the same angle as it will be when the pet is wearing it.
3. Walk slowly toward the signal field wire. The Computer Collar® Unit will activate when you reach the buried signal field wire. **Do NOT touch the correction posts at this time!**
4. Move back into the safe area, raise the Computer Collar® Unit to twice the height of your pet and repeat Step 3. The Computer Collar® Unit will activate when you reach the buried signal field wire.



If the Computer Collar® Unit does not sound a warning tone where the edge of the signal is supposed to be, immediately call your Invisible Fence® Brand Dealer for service. Use a leash (lead) or other means to contain your pet until all necessary service has been completed.

Troubleshooting

Symptom	Possible Cause	Action
Pet is getting out.	• Power Cap® Battery in the Computer Collar® Unit is dead or weak. • Computer Collar® Unit is not fitted properly on the pet. • Signal field wire has a break. • Power is not supplied to the transmitter or power is out. • Pet needs additional training.	• Replace the Power Cap® Battery. • See page 6 for properly fitting the collar. • Make sure transmitter power supply is plugged in. • Contact your Invisible Fence® Brand Dealer. • Contact your Invisible Fence® Brand Dealer for additional pet training.
Pet will not enter the yard.	• Pet needs additional training.	• Contact your Invisible Fence® Brand Dealer for additional pet training.
Computer Collar® Unit not responding to signal field (loop) wire.	• Power Cap® Battery in the Computer Collar® Unit is dead or weak. • Signal field wire has a break. • Power is not supplied to the transmitter or power is out.	• Replace the Power Cap® Battery. • Make sure transmitter power supply is plugged in. • Contact your Invisible Fence® Brand Dealer to check signal field and fix break.

Battery Disposal

Separate collection of spent batteries is required in many regions; check the regulations in your area before discarding spent batteries. Please see page 7 of your manual for instructions on how to remove the battery pack for separate disposal. The Computer Collar® Unit operates on 1 Lithium (Li-MnO₂) battery with a 3 Volt, 160 mAH capacity, replace only with an equivalent battery that can be obtained from your Invisible Fence® Brand Dealer.

Perchlorate Battery

Perchlorate Material – special handling may apply. See www.dtsc.ca.gov/hazardouswaste/perchlorate.

Important Recycling Advice

Please respect the Waste Electrical and Electronic Equipment regulations in your country. This equipment must be recycled. If you no longer require this equipment, do not place it in the normal municipal waste system.

Please return it to where it was purchased in order that it can be placed in our recycling system. If this is not possible, please contact your Invisible Fence® Brand Dealer.

Compliance

US and Canada

Boundary Plus® R23 Computer Collar®

IC: 2721A-3003057

FCC ID: KE3-3003057

MicroLite® Plus Computer Collar®

IC: 2721A-3002516

FCC ID: KE3-3002516

This device complies with Industry Canada rules. 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.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. Cet appareil est conforme à la partie 15 des règles FCC. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Modification or changes to this equipment not expressly approved by Radio Systems® may 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 specific installation. If interference does occur 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 the Computer Collar® Unit.
- Connect the equipment to an outlet on a circuit different from that to which the Computer Collar® Unit is connected.
- Consult customer care, the dealer, or an experienced radio/TV technician for help.

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Australia

This device complies with the applicable EMC requirements specified by the ACMA (Australian Communications and Media Authority).

European Union



This equipment has been tested and found to comply with relevant EU Low Voltage and R&TTE Directives. Before using this equipment outside the EU countries, check with the relevant local R&TTE authority. Unauthorized changes or modifications to the equipment that are not approved by Radio Systems Corporation are in violation of EU R&TTE regulations, could void the user's authority to operate the equipment, and void the warranty.

This product is in full compliance with the provisions of the R&TTE - Directive 1999/05/EEC. The Declaration of Conformity can be found at: <http://www.invisiblefence.com/international/declarations-of-conformity.asp>.

Dealer Name: _____

Dealer Phone: _____

Notes:

800-578-3647 (USA)
(865) 777-5404 (International)
400-1451/1
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U.K.: #0714235, #0720780
Ireland: #0714235, #0720780
France: #0720780, #0714235
Germany: #0714235, #0720780