



## Boundary Plus® Dual Loop Transmitter



## Owner's Manual and Operating Guide

My Invisible Fence® Brand Dealer:

Name: \_\_\_\_\_

Phone: \_\_\_\_\_

[InvisibleFence.com](http://InvisibleFence.com) | 800-578-3647

# Important Precautions

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- Invisible Fence® Brand pet containment systems have contained over three 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** indicates a hazardous situation which, if not avoided, could result in death or serious injury.

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

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

## ⚠ WARNING

- Replacing the battery backup with a battery not specifically approved by Invisible Fence® Brand may cause fire or explosion. Refer all service to your Invisible Fence® Brand Dealer only.
- There is a risk of explosion if a battery is replaced by an incorrect type. Do not short circuit, mix old and new batteries, dispose of in fire or expose to water. When batteries are stored or disposed, they must be protected from shorting. Dispose of used batteries properly.
- 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 in your Invisible Fence® Brand Computer Collar® Unit manual.
- 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.
- 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

- 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.
- 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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## How the System Works

The Boundary Plus® Dual Loop Transmitter is designed to work with an Invisible Fence® Brand Computer Collar® Unit 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 stay within or 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:

- a. The adapter 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 (for North American customers only).
- b. The transmitter is on, connected to the signal field wire, and producing a signal along the entire length of the wire.
- c. The signal field wire is intact, continuous, and the transmitter's Status Indicator Light is blinking blue.
- d. 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.
- e. The Power Cap® Battery in the Computer Collar® Unit is good and correctly installed.

**About Thunder and Electrical Storms:** Even though your Invisible Fence® Brand pet containment system is equipped with a Lightning Protection Device (for 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 5 for periodic maintenance checks.



# Transmitter Status Indicators

**Status Indicator Light:** This is the only light visible outside the transmitter. The chart below explains the various Status Indicator Light conditions.

**Audible Alarm:** There is an audible alarm for certain alert conditions (see chart below). Pressing either the S1 or S2 button on the transmitter circuit board will silence the alarm. The alarm will re-activate on power-up if a failure condition still exists. Access S1 or S2 by gently pushing down on the top of the cover and pull the cover towards you. Once released at the top, the cover will come off the base.

## Boundary Plus® Transmitter Status Light and Audible Alarm Troubleshooting

Status	LED Color	Indicator	Alarm
System OK	Blue	Slow blue flash: 1 sec. on, 4 sec. off	None
AC failure (operating on backup battery) if applicable	Red	Slow red flash: 1 sec. on, 4 sec. off	Chirp every 5 seconds
Loop wire break or decrease in signal field	Red	Steady red light	Constant beeping
Defective or low backup battery	Red	Steady red light	Chirp every 5 seconds

## Periodic Maintenance Checks

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.

System Device	How often	What to look for
Computer Collar® Unit	Daily	<ul style="list-style-type: none"><li>• Check Power Cap® Battery status light on top of unit.</li><li>• Review status indicators chart in Computer Collar® Unit manual.</li></ul>
Signal Field	Monthly and after a thunderstorm	<ul style="list-style-type: none"><li>• Verify the signal field wire is active throughout the property, see "Monthly Signal Field Test" below.</li></ul>

## 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 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.	<ul style="list-style-type: none"><li>• Power Cap® Battery in the Computer Collar® Unit is dead or weak.</li><li>• Computer Collar® Unit is not fit properly on the pet.</li><li>• Signal field wire has a break.</li><li>• Power is not supplied to the transmitter or power is out.</li><li>• Pet needs additional training.</li></ul>	<ul style="list-style-type: none"><li>• Replace the Power Cap® Battery.</li><li>• Properly fit the collar.</li><li>• Contact your Invisible Fence® Brand Dealer.</li><li>• Make sure transmitter power supply is plugged in.</li><li>• Contact your Invisible Fence® Brand Dealer for additional pet training.</li></ul>
Pet will not enter the yard.	<ul style="list-style-type: none"><li>• Pet needs additional training.</li></ul>	<ul style="list-style-type: none"><li>• Contact your Invisible Fence® Brand Dealer for additional pet training.</li></ul>
Computer Collar® Unit not responding to signal field (loop) wire.	<ul style="list-style-type: none"><li>• Power Cap® Battery in the Computer Collar® Unit is dead or weak.</li><li>• Signal field wire has a break.</li><li>• Power is not supplied to the transmitter or power is out.</li></ul>	<ul style="list-style-type: none"><li>• Replace the Power Cap® Battery.</li><li>• Contact your Invisible Fence® Brand Dealer.</li><li>• Make sure transmitter power supply is plugged in.</li></ul>



## Battery Disposal

Separate collection of spent batteries is required in many regions; check the regulations in your area before discarding spent batteries. The Computer Collar® Unit operates on one (1) Lithium (Li-MnO<sub>2</sub>) battery with a 3 Volt, 160 mAh capacity. Replace only with equivalent Power Cap® Battery that can be obtained from your Invisible Fence® Brand Dealer. The Transmitter operates on one (1) Valve Regulated Lead Acid Battery with a 12 Volt, 5Ah capacity or 12 Volt, .8Ah capacity.

Computer Collar® Unit: Please see your manual for instructions on how to remove the Power Cap® Battery for separate disposal.

Transmitter: At the end of product life of the Transmitter, please contact your Invisible Fence® Brand Dealer to receive instructions on proper disposal of the backup battery (if installed). Please do not dispose of the backup battery in household or municipal waste receptacle.

**WARNING: Replacing the battery backup with a battery not specifically approved by Invisible Fence® Brand, may cause fire or explosion. Refer all service to your Invisible Fence® Brand Dealer only.**

## Perchlorate Battery

Perchlorate Material – special handling may apply. See [www.dtsc.ca.gov/hazardouswaste/perchlorate](http://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 so it can be placed in our recycling system. If this is not possible, please contact your Invisible Fence® Brand Dealer.

## Compliance

### US and Canada

Model: Boundary Plus® (RIG00-11334)

FCC ID: KE3-3001186

IC: 2721A-3001186

This device complies with Industry Canada licence-exempt RSS standard(s). This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

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 Corporation® 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 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).

## CE European Union

Radio Systems Corporation declares under its own responsibility, that the following product(s) is (are) in compliance with the essential requirements under article 3 of the RED (2014/53/EU) and the RoHS 2 Directive (EU) 2015/863. Unauthorised changes or modifications to the equipment that are not approved by Radio Systems Corporation may violate EU RED regulations, could void the user's authority to operate the equipment, and will void the warranty. Hereby, Radio Systems Corporation, declares that this part is in compliance with the essential requirements and other relevant provisions.



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