protect. **teach**. **love**.

Model Number
PIG00-13619

ultrasmart®
in-ground fence™

operating and training guide

PLEASE READ THIS ENTIRE GUIDE BEFORE BEGINNING

Important Safety Information

Explanation of Attention Words and Symbols used in this guide

This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

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

⚠CAUTION CAUTION, used with the safety alert symbol, indicates a hazardous situation which, if not avoided, could result in minor or moderate 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

- Not for use with aggressive dogs. Do not use this product if your dog is prone to aggressive behavior. Aggressive dogs can cause severe injury or death to their owners and others. If you are not sure that this product is right for your dog, please talk to your veterinarian or a certified trainer.
- Underground cables can carry high voltage. Have all underground cables marked before you dig to bury your wire. In most areas this is a free service. Avoid these cables when you dig.
- Follow all safety instructions for your power tools. Be sure to always wear your safety goggles.
- 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.
- Risk of electric shock. Use the Fence Transmitter and Surge Protector indoors in dry location only.
- Turn off power to outlet before you install or remove your Surge Protector.
- Risk of electrical shock or fire. Use Surge Protector only with a duplex outlet with center screw. Attach unit with longscrew supplied.

⚠CAUTION

- Risk of injury. Wire on top of the ground may be a trip hazard; Use care in how you place your wires.
- Do not install the Surge Protector if there is not at least 30 feet (10 meters) or more of wire between the electrical outlet and electrical service panel.

CAUTION

This PetSafe® In-Ground Fence™ is not a solid barrier. This system is designed to act as a deterrent to remind pets by Static Correction to remain in the boundary established. It is important that you reinforce training with your pet on a regular basis.

Proper fit of the collar is important. A collar 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 bed sores.

- Avoid leaving the collar on the dog for more than 12 hours per day.
- When possible reposition the collar 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 lead to the electronic collar; it will cause excessive pressure on the contacts.
- When using a separate collar for a lead, don't put pressure on the electronic collar.
- Wash the dog's neck area and the contacts of the collar 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 collar until the skin has healed.
- If the condition persists beyond 48 hours, see your veterinarian.
- For additional information on bed sores and pressure necrosis, please visit our website.

These steps will help keep your pet safe and comfortable. Millions of pets are comfortable while they wear stainless steel contacts. Some pets are sensitive to contact pressure. You may find after some time that your pet is very tolerant of the collar. 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.

You may need to trim the hair in the area of the Contact Points. Never shave the dog's neck; this may lead to a rash or infection.

- The Receiver Collar should not be on your dog when the system is tested. Your pet may receive an unintended correction.
- The Boundary Width of the system must be tested whenever an adjustment is made to the containment field to prevent unintended corrections to your pet.
- If you use a collar and leash for training, be sure the extra collar does not put pressure on the contact points.
- Always remove your dog's Receiver Collar before performing any Transmitter testing.
- If possible, DO NOT use an AC circuit protected with a Ground Fault Circuit Interrupter (GFCI) or Residual Current Device (RCD). In rare cases, nearby lightning strikes may cause the GFCI or RCD to trip. Without power your dog may be vulnerable to escape. You will have to reset the GFCI or RCD to restore power to the system.

NOTICE

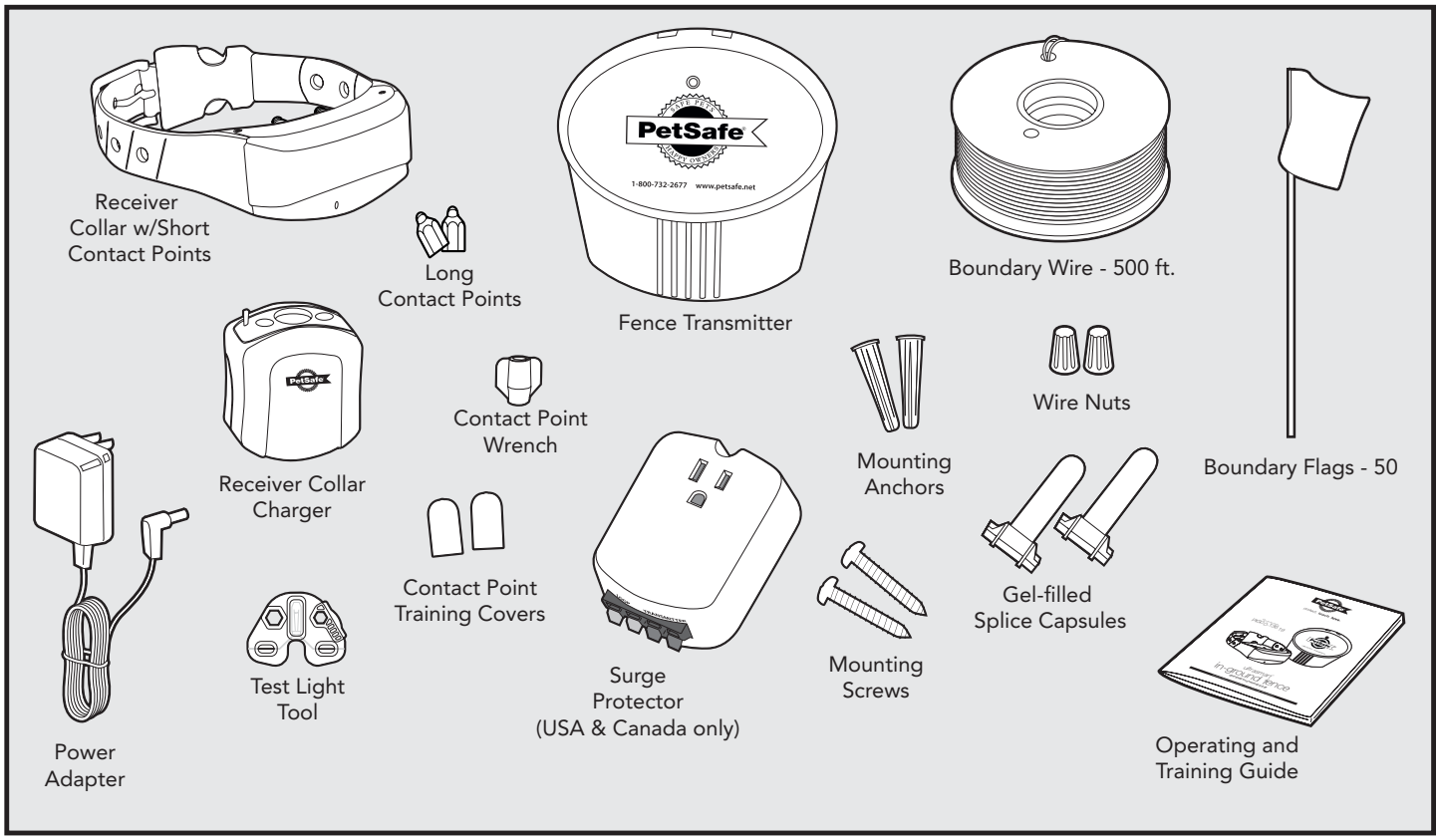
- Plug the Surge Protector into a grounded (3-prong) outlet that is within 5 feet of the Fence Transmitter. ALWAYS use a grounded (3-prong) outlet to ensure maximum protection.
- Do not remove the ground prong from the Surge Protector plug. Do not use a 3-prong plug to 2-prong outlet converter. Doing so will make the Surge Protector ineffective against surges or spikes.
- Use care when mowing or trimming your grass not to cut the loop wire.
- Verify that the boundary loop and transmitter wires connect to the proper Surge Protector terminals. Reversed connections will result in an increased risk of surge related damage.
- For added protection, when unused for long periods of time or prior to thunderstorms, unplug from the wall outlet and disconnect the loop boundary wires. This will prevent damage to the transmitter due to surges.
- Do not charge your Receiver Collar every night. Charging too often can reduce battery life. Charge your Receiver Collar when the left Receiver Indicator Light blinks yellow; or when the light blinks red.
- Avoid damage to the jacket of the loop wire during the install; damage may cause areas of weak signal and lead to early failure of the loop (wire breaks).

Thank you for choosing PetSafe®, the best selling brand of electronic training solutions in the world. Our mission is to be the most trusted brand in the pet ownership experience. We want to ensure your pet's safety by providing you with the tools and techniques to successfully train your pet. If you have any questions, please contact the Customer Care Center at 1-800-732-2677 or visit our website at www.petsafe.net.

To get the most protection out of your warranty, please register your product within 30 days at www.petsafe.net. By registering and keeping your receipt, you will enjoy the product's full warranty and should you ever need to call the Customer Care Center, we will be able to help you faster. Most importantly, PetSafe® will never give or sell your valuable information to anyone. Complete warranty information is available online at www.petsafe.net.

Table of Contents

Components



Other Items You May Need

- Additional wire and flags (Part #PRFA-500)
- Tape measure
- Small Phillips screwdriver
- Drill
- Shovel or lawn edger
- Pliers
- Wire stripping pliers
- Scissors
- Additional wire nuts and gel-filled splice capsules
- Waterproofing compound (e.g. silicone caulk)
- PVC pipe or water hose
- Circular saw with masonry blade
- Staple gun
- Non-metallic collar and leash

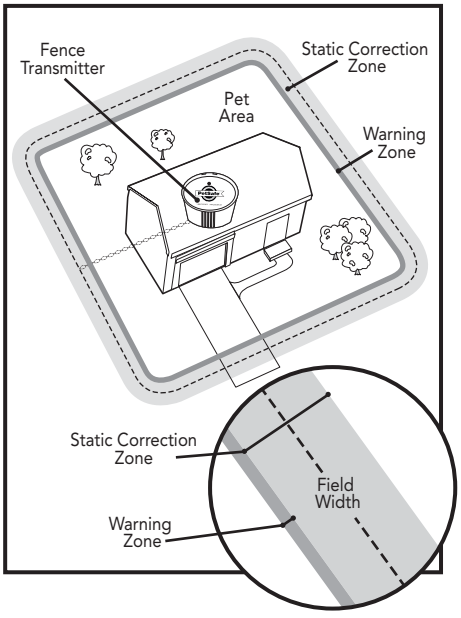
Want professional installation help? Invisible Fence® Brand installers will come to your home and install your new PetSafe® System for an additional cost. Contact your local dealer at 1-877-866-DOGS (3647) or visit our website at www.invisiblefence.com for more information.

How the System Works

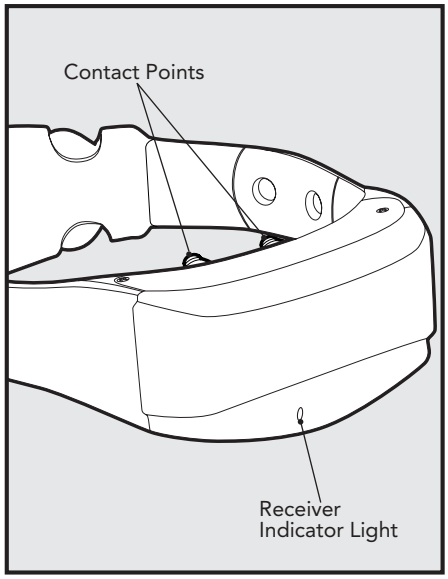
A radio signal is sent by the transmitter to a receiver located on your dog's collar. The signal is transmitted through a wire which is placed along the boundaries you want to establish. The wire is an antenna that carries the signal. The receiver, attached to your dog's collar, provides a warning beep when he approaches the wire. If your pet continues into the Static Correction Zone, a safe Static Correction will be delivered through the Contact Points to get his attention until he returns to the Pet Area. Although harmless, this will discourage him from continuing further. Three adjustable levels of correction allow you to choose the one that is appropriate for your dog's temperament. The PetSafe® UltraSmart® In-Ground Fence™ has been proven safe, comfortable and effective for dogs over 8 pounds.

Key Definitions

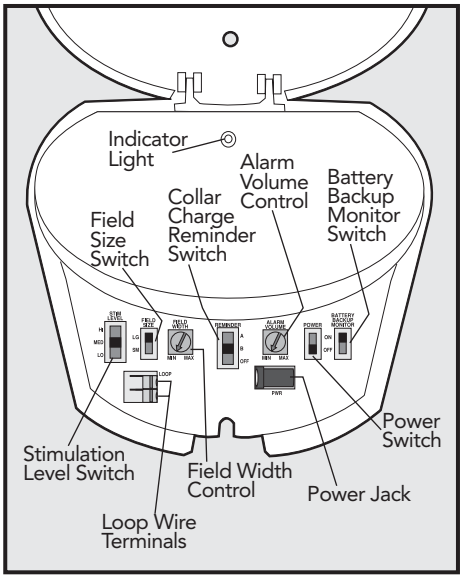
Fence Transmitter: Transmits the radio signal through the Boundary Wire.
Pet Area: Area within the Warning Zone where your pet can roam freely.
Warning Zone: Outer edge of the Pet Area where your pet's Receiver Collar begins to beep warning him not to go into the Static Correction Zone.
Static Correction Zone: Zone beyond the Warning Zone where your pet's Receiver Collar will emit a Static Correction, signaling him to return to the Pet Area.
Field Width: Combination of the Warning Zone and the Static Correction Zone.
Receiver Collar: Receives the radio signal from the Boundary Wire.
Stimulation Level Switch: Adjust the level of Static Correction your pet receives in the Static Correction Zone.
Surge Protector: Installed with the Fence Transmitter to protect it from lightning strikes and power surges.
Receiver Indicator Light: Reflects the battery status and correction type.
Receiver Collar Charger: Charges the batteries inside the Receiver Collar.
Contact Points: Deliver the safe Static Correction when your pet moves into the Static Correction Zone.
Power Jack: Where the Power Adapter plugs into the Fence Transmitter. The Fence Transmitter is powered by a standard 120-volt outlet.
Power Switch: Fence Transmitter ON/OFF switch.
Alarm Volume Control: Controls the volume of the Fence Transmitter alarm.
Field Size Switch: Switch located on the Fence Transmitter to adjust according to the length of Boundary Wire used.
Battery Backup Monitor Switch: Keeps the system working up to 40 hours if electrical power is interrupted. Requires 8 AA alkaline batteries (not included).
Loop Wire Terminals: Where the Boundary Wires connect to the Fence Transmitter in order to complete a continuous loop.
Collar Charge Reminder Switch: Allows you to select a reminder interval of 60 (Setting A) or 30 (Setting B) days or turn the function OFF.
Indicator Light: Located on the front of the Fence Transmitter and indicates status of the in-ground system.
Field Width Control: Adjusts the width of the Warning and Static Correction Zones.



Receiver Collar



Fence Transmitter

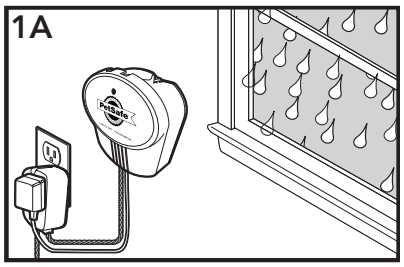


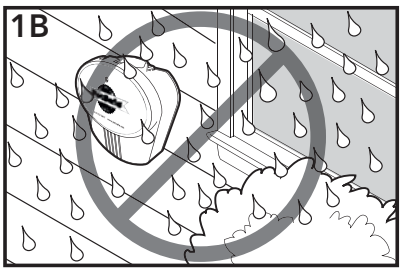
Operating Guide

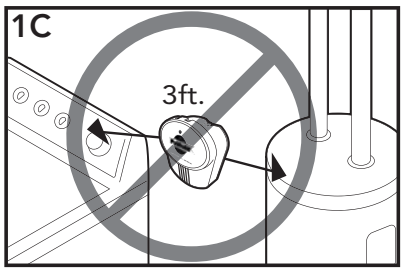
Step 1 Install the Fence Transmitter

Place the Fence Transmitter:

- In a dry, well ventilated, protected area (**1A**, **1B**).
- In an area where temperatures do not fall below freezing (e.g., garage, basement, shed, closet).
- At least 3 feet from large metal objects or appliances as these items may interfere with the signal consistency (**1C**).
- In an area that can be accessed easily so that you can hear and respond to alarms.







To Install the Transmitter

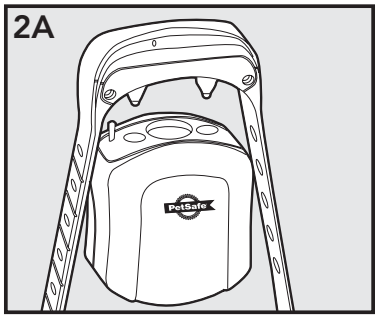
1. Remove the mounting plate from the back of the transmitter by lightly depressing the dot on the top tab and sliding the plate down (**1D**).
2. Using the screws provided, mount the plate to the wall within 5 feet of a standard, grounded (3-prong) outlet.

To prevent fires and electrical hazards, install the Fence Transmitter in buildings that are in accordance with state and local electrical codes.

Step 2 Charge the Receiver Collar

The Receiver Collar Charger is designed to plug into a standard AC wall outlet and act as a charging stand for the Receiver Collar. Choose a location close to a door that you and your dog use regularly and plug in the charger. The Receiver Collar fits on top of the charger with the Contact Points facing down through the holes (**2A**). The Receiver Collar light will glow red when the collar is properly seated and charging. The light will turn green when charging is complete. A built in safety circuit prevents the Receiver Collar from overcharging.

The Receiver Collar will achieve a full charge in 2-3 hours. Each charge can last up to three months depending on frequency of use.



NOTICE Do not charge your Receiver Collar every night. Frequent charging can have a negative effect on the battery. We recommend that the Receiver Collar be used until the Receiver Indicator Light blinks yellow or red.

The Fence Transmitter includes a Collar Charge Reminder Switch that you can set to alert you to check the collar battery status. See Step 5, page 11.

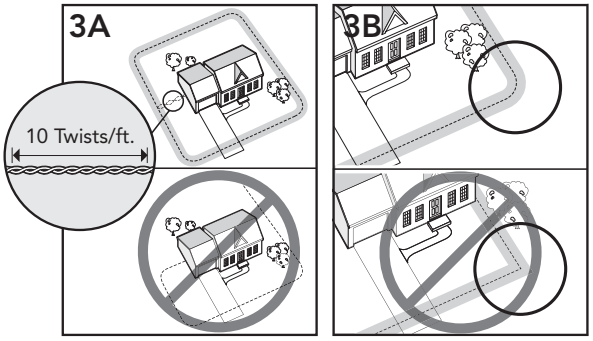
Step 3

Lay Out the System

Basic Planning Tips

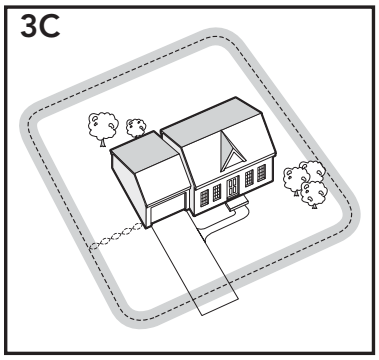
⚠WARNING Underground cables can carry high voltage. Have all underground cables marked before you dig to bury your wire. In most areas, this is a free service. Avoid these cables when you dig.

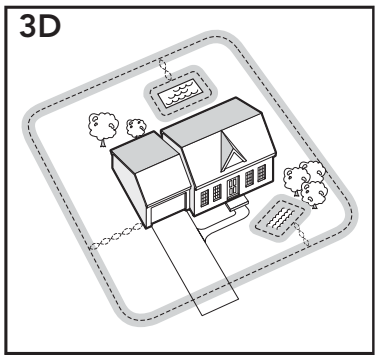
For information regarding how these underground wires can affect your system's operation, see Step 4 Position the Boundary Wire.



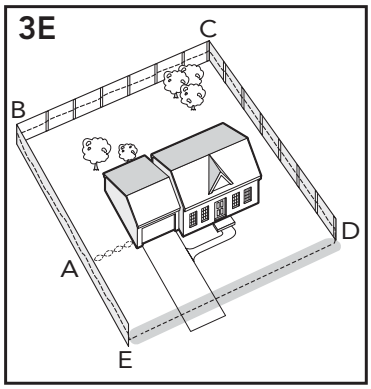
- The Boundary Wire MUST start at the Fence Transmitter and make a continuous loop back (**3A**).
- Twisting the Boundary Wire cancels the signal and allows your pet to cross over that area without correction. Plastic or metal piping will not cancel the signal. Twist the Boundary Wire 10 to 12 times per foot to cancel the signal (**3A**).
- Design a layout that is suitable for your yard. Sample layouts are provided in this section, and a grid for designing your layout is provided in the back of this guide.
- Always use gradual turns at the corners with a minimum of 3 foot radius to produce a more consistent boundary (**3B**). Do not use sharp turns, as this will cause gaps in your boundary.
- Avoid making passageways too narrow for your pet to move about freely (e.g., along the sides of a house).
- For your dog's protection, we recommend setting a Field Width for the Warning and Static Correction Zones to approximately 16 - 24 feet (8 - 12 feet on each side of the wire).
- The Receiver Collar can be activated inside the house if the Boundary Wire runs along the outside wall of the house. If this occurs, remove your pet's Receiver Collar before bringing him inside, decrease the range using the Boundary Width Control or consider an alternative layout.

Sample Layouts





Sample 1: Perimeter Loop (Single Loop) The Perimeter Loop is the most common layout. This will allow your pet to freely and safely roam your entire property (**3C**). It can also protect gardens, pools and landscaping (**3D**).

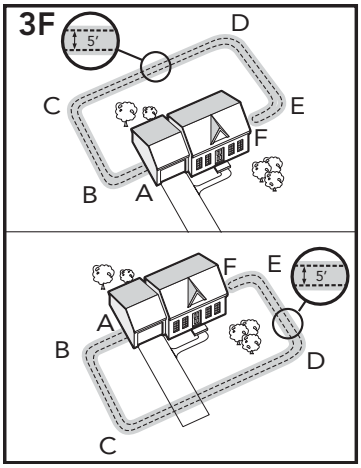


Sample 2 (3E): Perimeter Loop Using Existing Fence (Single Loop) This layout allows you to include your existing fence as part of your layout and keep your pet from jumping out or digging under your existing fence. It reduces the amount of wire which will need to be buried. From the Fence Transmitter, run the wire to **A**, **A** to **B**, **B** to **C**, **C** to **D**, **D** to **E**, **E** to **A**, twist the wires from **A** back to the Fence Transmitter. See the "Install the Boundary Wire" section for more information on attaching the wire to a fence.

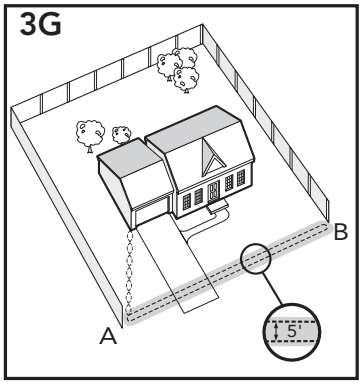
Double Loop

A Double Loop must be used when you are not establishing the Boundary Zone on all sides of your property.

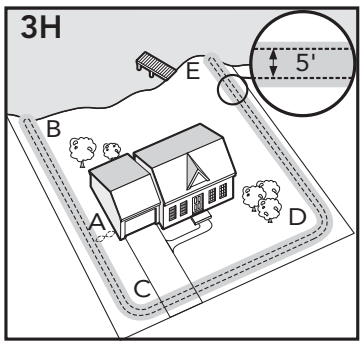
When using a Double Loop, the Boundary Wire must be separated by a minimum of **approximately 5 FEET** to avoid canceling the signal. Remember that a Double Loop will require twice as much wire.



Sample 3 (3F): Front or Back Yard Only (Double Loop) From the Fence Transmitter, run the wire to **A**, **A** to **B**, **B** to **C**, **C** to **D**, **D** to **E**, **E** to **F**, make a U-turn and follow your path all the way back to **A,** keeping the wire separated **by at least 5 feet**. Twist the wire from **A** back to the Fence Transmitter.

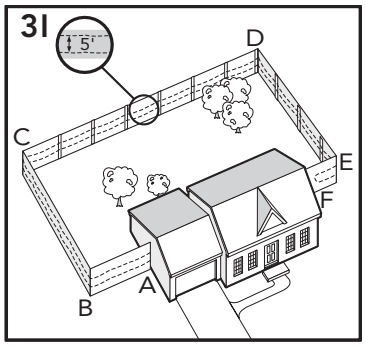


Sample 4 (3G): Front Boundary Only (Double Loop) From the Fence Transmitter, run the wire to **A**, **A** to **B**, **B** back to **A** keeping the wire separated **by at least 5 feet**. Twist the wire from **A** back to the Fence Transmitter.



Sample 5 (3H): Lake Access (Double Loop) From the Fence Transmitter, run the wire to **A**, **A** to **B**, make a U-turn and go to **C**, **C** to **D**, **D** to **E,** make a U-turn and follow your path all the way back to **A** keeping wire separated **by at least 5 feet**. Twist the wire from **A** back to the Fence Transmitter.

Sample 6 (3I): Wire Loop Attached to Existing Fence (Double Loop) This layout allows you to include your existing fence as part of your layout and keep your pet from jumping out or digging under your existing fence. It reduces the amount of wire which will need to be buried. Run the wire from the Fence Transmitter to **A**, **A** to **B**, **B** to **C**, **C** to **D**, **D** to **E**, **E** to **F,** make a U-turn and follow your path all the way back to **A,** keeping the wire separated **by at least 5 feet**. Twist the wire from **A** back to the Fence Transmitter. See the "Install the Boundary Wire" section for more information on attaching the wire to a fence.



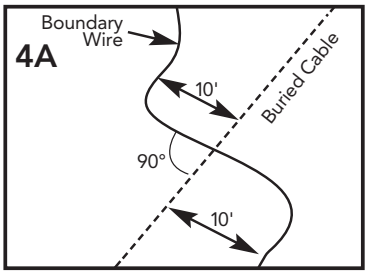
Step 4

Position the Boundary Wire

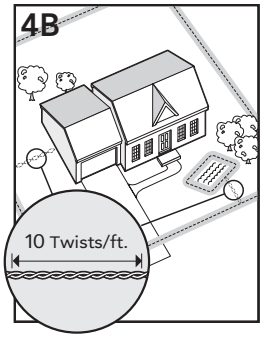
Lay out the Boundary Wire using your planned boundary and test the system BEFORE burying the wire or attaching it to an existing fence. This will make any layout changes easier. Work carefully. A nick in the wire insulation can diminish the signal strength and create a weak area where your pet can escape.

Running the Boundary Wire parallel to and within 10 feet of electrical wires, neighboring containment systems, telephone wires, television or antenna cables, or satellite dishes may cause an inconsistent signal. If you must cross any of these, do so at 90-degree angles (perpendicularly) (**4A**).

If separating the wire by at least 10 feet from a neighboring containment system's wire does not reduce the inconsistent signal, contact the Customer Care Center.

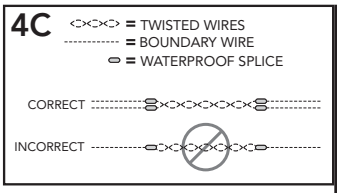


To Twist the Boundary Wire



Twisting the Boundary Wire cancels the signal and allows your pet to cross over that area safely (**4B**). To ensure the signal is cancelled, it is recommended that you cut and splice the Boundary Wire between each twisted section. The signal cannot be cancelled by running the wire through plastic or metal piping. Splicing shielded cable to the Boundary Wire will also not cancel the signal. Refer to figure (**4C**) for the correct method for twisting the wire. You can twist your own wire by cutting two equal lengths of Boundary Wire supplied and twisting them together. Anchor one end of the wires to something secure and insert the other end in a power drill. Pull the wire taut. The drill enables you to twist the wire quickly. Twist the Boundary Wire 10 to 12 times per foot to cancel the signal. Once you have completed your boundary layout, insert the twisted wire into the transmitter.

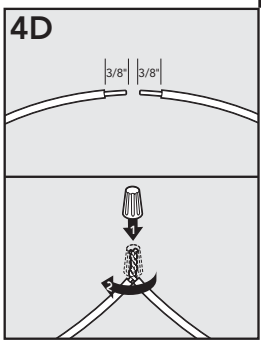
To Splice or Repair the Boundary Wire



If you need additional Boundary Wire to expand your wire loop, you will need to splice the wires together. Note the locations of all splices for future reference.

Strip approximately ⅜ inch of insulation off the ends of the Boundary Wires to be spliced (**4D**). Make sure the copper Boundary Wire is not

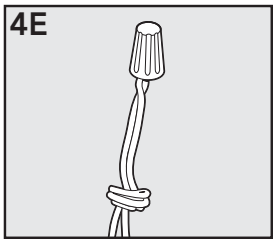
corroded. If the Boundary Wire is corroded, cut it back to expose clean copper wire.

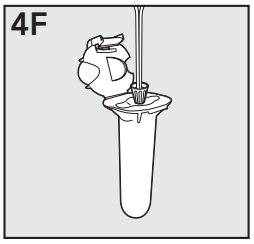


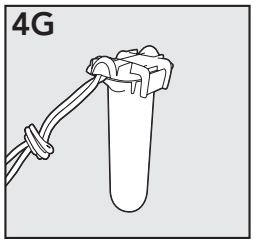
Insert the stripped ends into the wire nut and twist the wire nut around the wires. Ensure that there is no copper exposed beyond the end of the wire nut. Tie a knot 3 to 4 inches from the wire nut (**4E**). Ensure that the wire nut is secure on the wire splice.

Once you have securely spliced the wires together, open the lid of the gel-filled splice capsule and insert the wire nut as deeply as possible into the waterproof gel inside the capsule (**4F**). Snap the lid of the capsule shut (**4G**). For proper system performance, the splice connection must be waterproof.

If your splice pulls loose, the entire system will fail. Make sure your splice is secure. Additional gel-filled splice capsules and wire nuts are available through the Customer Care Center.







Additional Boundary Wire

Extra direct burial Boundary Wire can be purchased in 500 foot spools at the store where you purchased the kit or through the Customer Care Center.

Note: When adding Boundary Wire, it must act as a continuous loop.

The table at right indicates the approximate length of Boundary Wire needed for a square, Single Loop layout. Length will vary due to the amount of twisted wire and layout used.

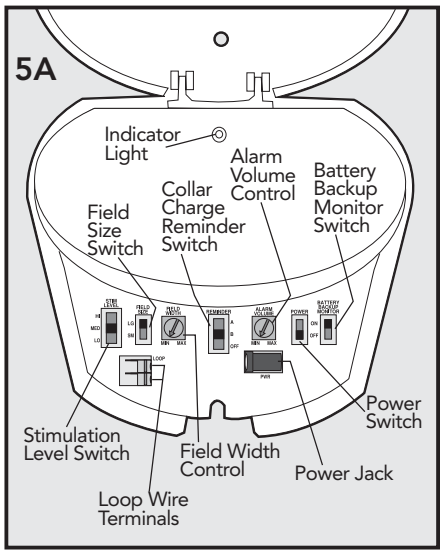
Acres	Feet of Wire Needed
1/4	415
1/3	480
1/2	590
1	835
2	1180
5	1870
10	2800
25	4500

Step 5

Prepare the Fence Transmitter

The Fence Transmitter is the system's control center. Lift the hinged front cover to reveal the switches that can customize your system. (**5A**)

Wall Transmitter User Controls



Field Width Adjustment Control: Controls the distance from the wire your dog can venture before hearing the warning tone and receiving correction. See Step 8 on page 13.

Field Size Switch: Set the Field Size Switch based on the total length of Boundary Wire used. If you have used 1,000 feet or less of Boundary Wire, set the Field Size to SM. If you have used more than 1,000 feet, set to LG.

Stimulation Level Switch: The Static Correction Level can be set to three different levels depending on the temperament of your dog: Low, Medium, or High. The Static Correction Level is set using the Stimulation Level Switch located on the Fence Transmitter.

On each of the Stimulation Level settings, the Receiver Collar will emit a 2 second Warning Tone whenever your pet enters the Warning Zone. If your pet continues into the Static Correction Zone, he will receive a Static Correction. Refer to Training Guide Phase 2.

Loop Wire Terminals: Spring-loaded connections for the pet fencing wire.

Collar Charge Reminder Tone Switch: The Fence Transmitter includes a Collar Charge Reminder Switch that you can set to alert you when it is time to charge your dog's Receiver Collar. The "A" Setting will alert after 60 days and the "B" setting will alert after 30 days. To set the reminder, turn the switch to the OFF position, then move to either the A or B setting. After the 30 or 60 days has passed, the Fence Transmitter will sound three short reminder tones every minute. To reset the switch, turn it to the OFF position and move back to either setting A or B, or you can choose to turn the switch OFF to disable this feature.

Power Connection: Power for the pet fencing system. Connect the 24-volt DC adapter plug here.

Battery Backup Monitor Switch: The Fence Transmitter features a Battery Backup Monitor which allows the system to function for up to 40 hours should power be interrupted. To use this feature, turn the transmitter Power Switch OFF and install (8) AA alkaline batteries. Snap the transmitter onto the mounting plate and turn the Battery Backup Monitor Switch ON. The monitor will sound when the batteries need to be replaced. If you choose not to install the back up batteries, turn the Battery Backup Monitor Switch OFF to disable the low battery alert.

Power: ON/OFF Switch

Alarm Volume: Controls the volume of wall transmitter alarms. Will not silence the alarm.

Indicator Light and Alarm: The light on the front of the transmitter will indicate the following conditions.

Transmitter Status Indications Table

Status Light	Alarm Tone	Condition
Solid Green	No	Power On/System OK
Flashing Red	Twice per second	Boundary Wire Broken/Disconnected
Flashing Red and Green	3 Chime tones once per minute	Receiver Recharge Reminder
Flashing Yellow	Once per second alarm can be turned off with battery backup monitor alarm switch	Backup Batteries Low
None	Once per 5 seconds	AC Power Disconnected; Unit Operating on Battery
None	No	Transmitter is OFF or Power is Disconnected

Step 6

Connect the Wires to the Surge Protector and Fence Transmitter (USA and Canada)

Surge Protection

Lightning strikes that occur even several miles away from your installation can create power surges or spikes which may damage your unprotected electronic pet containment system. The Surge Protector included with this system is designed to protect your In-Ground Fence™ from surges or spikes that can reach it via your AC power connection and/or your buried Boundary Wire.

Install the Surge Protector & Connect the Wires (6A)

⚠WARNING

- 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.
- Risk of electric shock. Use the Fence Transmitter and Surge Protector indoors in dry location only.
- Turn off power to the outlet before you install or remove your Surge Protector.
- Risk of electric shock or fire. Use Surge Protector only with a duplex outlet with center screw. Attach unit with long screw supplied.

⚠CAUTION

Do not install the Surge Protector if there is not at least 30 feet (10 meters) or more of wire between the electrical outlet and electrical service panel.

CAUTION

If possible, DO NOT use an AC circuit protected with a GFCI (ground fault circuit interrupter). Both the Surge Protector and the fence system will function. However, in rare cases, nearby lightning may cause the GFCI to trip. Without power, your dog may escape. You will have to reset the GFCI to restore power to the system.

NOTICE

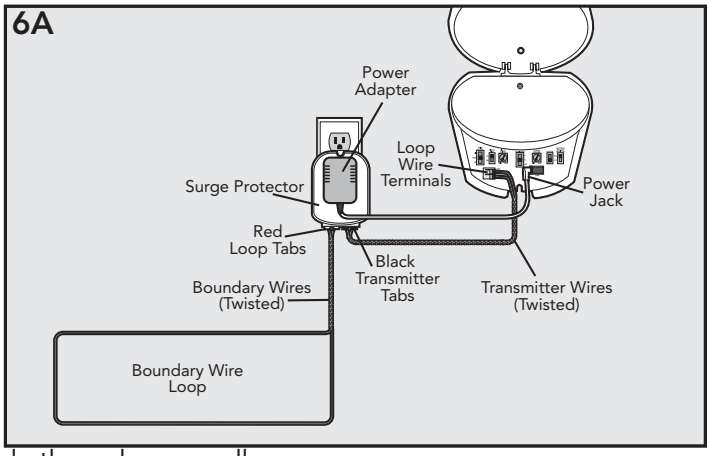
- Plug the Surge Protector into a grounded (3-prong) outlet within 5 feet of the Fence Transmitter. ALWAYS use a grounded (3-prong) outlet to ensure protection.
- Do not remove the ground prong from the Surge Protector plug. Do not use a 3-prong plug to 2-prong outlet converter. Doing so will make the Surge Protector ineffective against surges or spikes.

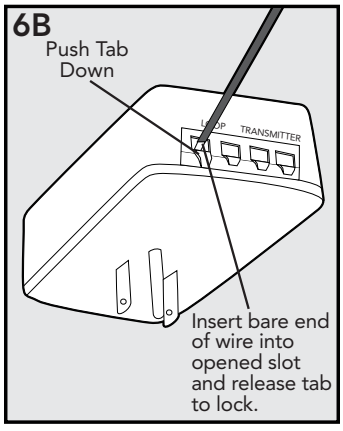
1. Turn the power OFF to the outlet that the Surge Protector and Fence Transmitter will be plugged into.
2. We recommend that, if possible, use the outlet center screw that holds the cover plate in place to secure the Surge Protector to the outlet. To do this, tape the top of the cover plate to the wall, then remove the cover plate center screw. Plug the Surge Protector into the lower outlet and then secure the cover plate using the longer screw included with the protector. The screw is for mechanical attachment only and does not ground the protector. Remove the tape and turn ON the power to the outlet.
3. Run the Boundary Wire through a window, under a door, through a crawl space vent, or any other appropriate available access. You can also drill a hole through your wall.
4. Strip ⅜ inch of insulation from the ends of the Boundary Wire. Insert the stripped ends into the 2 left red connector holes on the bottom of the Surge Protector labeled "Loop" (**6B**). There should be 1 wire in each connector hole. Depress the plastic tab, insert the wires and release the tab. Make sure the wires do not touch each other at the terminals.

NOTICE

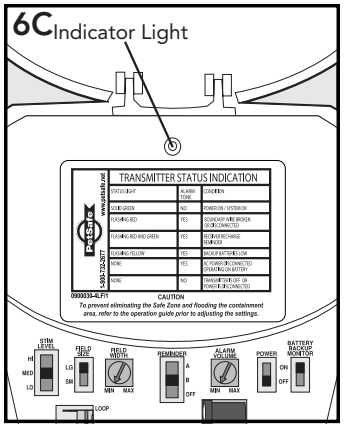
Verify that the boundary loop and transmitter wires connect to the proper Surge Protector terminals. Reversed connections will result in an increased risk of surge related damage.

5. Determine the length of wire needed to pass from the Surge Protector to the Fence Transmitter. Measure and cut 2 lengths of wire, then strip ⅜ inch of insulation at both ends. Twist the 2 lengths together, with at least 10-12 twists per foot, so the wires will not send out a signal.





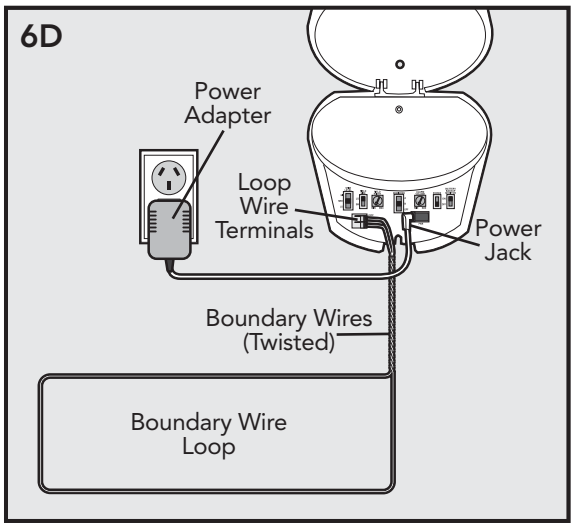
6. Insert the ends of the twisted transmitter wires into the right 2 black connectors at the bottom of the Surge Protector labeled "Transmitter".
7. Pull the tab on the Fence Transmitter to the left to insert the opposite ends of the twisted wire into the Loop Wire Terminals.
8. Turn the Field Width Control knob to the 9 o'clock position.
9. Plug in the Transmitter power adapter to the outlet on the front of the Surge Protector and turn the Fence Transmitter ON.
10. The Indicator Light on the Transmitter should illuminate to green indicating a properly installed boundary loop. If this does not happen, refer to the Transmitter Status Indications label underneath the Transmitter lid (**6C**) or see the "Troubleshooting" section in this guide.



NOTICE For added protection, when unused for long periods of time or prior to thunderstorms, unplug from the wall outlet and disconnect the Loop Boundary Wires. This will prevent damage to the Transmitter due to surges.

Connect the Wires to the Fence Transmitter (Australia & New Zealand)

1. Run the Boundary Wire through a window, under a door, through a crawl space vent, or any other appropriate available access. You can also drill a hole through your wall.
2. Strip ⅜ inch of insulation from the ends of the Boundary Wire.
3. Pull the tab on the Fence Transmitter to the left to insert the Boundary Wire into the Loop Wire Terminals.
4. Turn the Field Width Control knob to the 9 o'clock position.
5. Plug in the transmitter power adapter into the Power Jack and AC power outlet and turn the Fence Transmitter ON.
6. The Indicator Light on the transmitter should illuminate to green indicating a properly installed boundary loop. If this does not happen, refer to the Transmitter Status Indications label underneath the transmitter lid (**6C**) or see the "Troubleshooting" section in this guide.

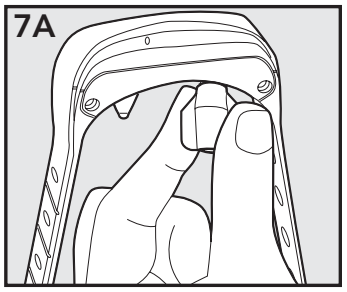


NOTICE For added protection, when unused for long periods of time or prior to thunderstorms, unplug from the wall outlet and disconnect the Loop Boundary Wires. This will prevent damage to the Transmitter due to surges.

Step 7

Prepare the Receiver Collar

Your Receiver Collar comes with short Contact Points installed. Use the long Contact Points for pets with long or thick hair. Tighten the Contact Points using the Contact Point Wrench (**7A**). Check the tightness weekly.



ReadyTest® Feature

ReadyTest® gives you added confidence that the Receiver Collar is working and ready to use. When you remove the Receiver Collar from the charger, the receiver will automatically go into self-test mode for approximately 8 seconds. The receiver's internal diagnostics will check that the battery charge is full and that all circuits are working correctly. **Do not touch the Contact Points while the receiver is in test mode.** When the collar is removed from the charger, the indicator light will go off and then come back on. The light will first glow red for three seconds, then go off. The indicator light will come back on for five seconds to indicate the status of the battery (green, yellow or red). The ReadyTest™ is complete once you see the battery indicator status.

If the Receiver Collar beeps and the indicator light glows solid red for 20 seconds, the ReadyTest® self-test has failed. Replace the Receiver Collar in the charger for 5 seconds and then remove. Do not touch the Contact Points. If the Receiver Collar continues to fail the ReadyTest®, call the Customer Care Center.

PerfectFit™ Test for Collar Fit

This test is an added feature to verify fit but is not required for the system to function. After the ReadyTest®, the Receiver Collar will go into PerfectFit™ test mode. This mode begins with a flashing yellow light. To use this feature, you must place the Receiver Collar on your dog within 90 seconds of removing it from the Collar Charger. The Receiver Collar will emit a chime tone as the Contact Points touch your dog's skin. You will know you have the proper fit when the collar chimes and flashes green 5 consecutive times. After 90 seconds, the Receiver Collar moves into normal operation mode.

The Receiver Collar will still function normally if you are unable to place the Receiver Collar on your dog within 90 seconds of removing it from the Collar Charger. If you wish to use the PerfectFit™ test after 90 seconds have passed, place the Receiver Collar back on the charger for 5 seconds. Remove the collar and allow it to complete the ReadyTest® before placing it on your dog.

CAUTION See Step 11 for proper fit before you place collar on your pet.

Receiver Collar Status Indicators

The Receiver Collar Status Indicator Light along with the Receiver Collar Alarm Tone are used to determine the operational mode, the battery status, and the correction type. Refer to the Receiver Collar Status Indicator Table below to understand the status lights and tones for the Receiver Collar. During normal operation, the Receiver Collar Indicator Light will flash every 3 seconds to indicate the battery status as shown in the table below.

Receiver Collar Status Indicator Table

Status Light	Alarm Tone	Condition
While on Charger		
Solid Red	No Tone	Charge in progress
Solid Green	No Tone	Charge complete
No Light		Charge failure, contact Customer Care Center
After Removing From Charger ReadyTest® & PerfectFit™ Test		
Off (1 second) followed by Red (3 seconds)	No Tone	Unit is performing ReadyTest®
Continuous Green/Yellow/Red (5 seconds)	No Tone	Battery Charge Indicator
Continuous Red	20 sec.	ReadyTest® failure; unit is not operational, contact Customer Care Center
Flashing Yellow (every 1 second)	No Tone	Unit is in PerfectFit™ mode for 90 sec. after turning on
Flashing Green (every 1 second)	Chime; 5 consecutive chimes for confirmed fit	PerfectFit™ mode indicates collar is making true contact with dog's skin
Fast Pulsating Green	Warning Tone	Warning tone
Fast Pulsating Red	Duration of the Stimulation	Stimulation being delivered (up to 10 sec.)
Continuous Green (10 seconds)	No Tone	Over Correction Protection; collar locked for 10 sec.
Slow Blinking Green (every 3 seconds)	No Tone	Collar battery charge 100% - 60%
Slow Blinking Yellow (every 3 seconds)	No Tone	Collar battery charge 60% - 20%
Slow Blinking Red (every 3 seconds)	No Tone	Collar battery charge 20% or less; charge immediately

Anti–Linger Prevention

The Anti-Linger Prevention feature keeps your dog from staying in the Warning Zone for long periods of time and draining the Receiver Collar battery. Your dog will hear a two second warning tone when he reaches the Warning Zone. If your dog does not return to the Pet Area after two seconds, he will receive a continuous Static Correction until he returns to the Pet Area.

Run Through Prevention

This system includes a unique "run-through" prevention so that your dog cannot escape the Pet Area without receiving an increased level of Static Correction. The Receiver Collar automatically increases the Static Correction when your dog continues more than ⅓ of the way through the pet fencing Field Width. For example, if the signal is detected 12 feet from the wire and your dog enters the Static Correction Zone, this feature is activated when he is approximately 8 feet from the Boundary Wire. Your dog will then receive a Static Correction that is at an increased level corresponding to the Static Correction level setting on the Fence Transmitter.

Over Correction Protection

In the unlikely event that your pet "freezes" in the Static Correction Zone, this feature limits the Static Correction duration to 10 seconds. While the system locks out further Static Correction, the green light will remain on for 10 seconds before resuming the correction with tone for another 10 seconds. This pattern will repeat for a maximum of three cycles, a duration of 60 seconds, or until the pet leaves the Static Correction Zone.

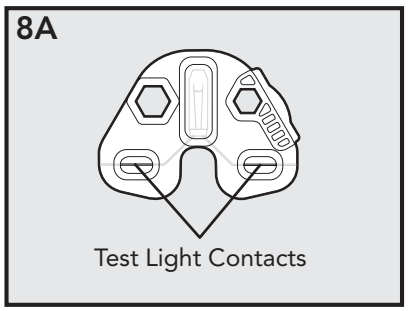
Step 8 Set the Field Width and Test the Receiver Collar

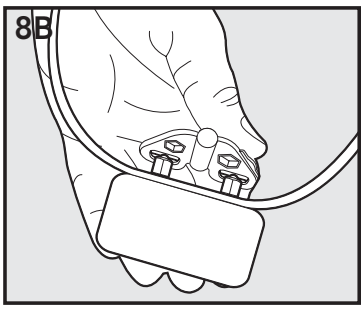
With the Boundary Wire in place and properly connected and the Receiver Collar fully charged, it is time to set the containment field and test the system.

CAUTION The Receiver Collar should NOT be on your dog when the system is tested. Your pet may receive an unintended correction.

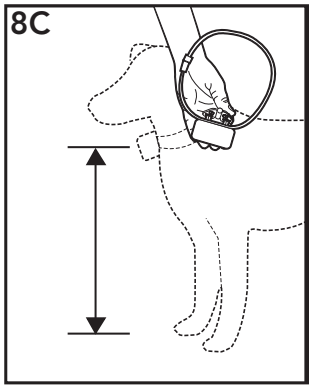
Note: The Receiver Collar is waterproof, which can make the tone hard to hear. The flashing Test Light when held to the Contact Points indicates the Receiver Collar is delivering Static Correction. To best utilize the automatic Run-Through Prevention feature, the containment Field Width should extend at least 8 to 12 feet on each side of the Boundary Wire (total Field Width of 16 to 24 feet).

1. Power the Fence Transmitter ON.
2. Set the Field Size Switch based on the total length of Boundary Wire used. If you have used 1,000 feet or less of Boundary Wire, set the Field Size to SM. If you have used more than 1,000 feet, set to LG.
3. The width of the containment field is adjusted using the transmitter's Field Width Control knob. Start with a low setting by moving the knob to the 9 o'clock position and test the Field Width of the system.



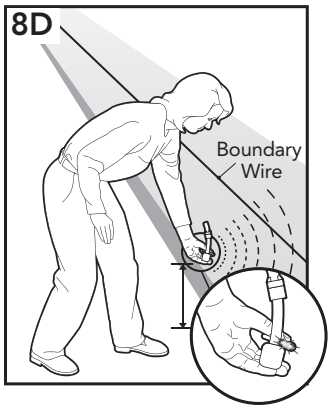


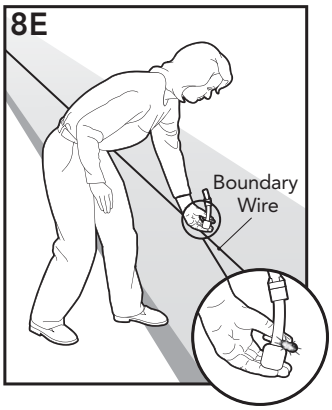
CAUTION To prevent an unintended correction for your pet, test the boundary location and width after any change.



4. Test the Field Width of the system by selecting a section of straight Boundary Wire that is at least 50 feet long. Start inside the center of the containment field.
5. Place the Test Light Tool Contacts on the Contact Points of the Receiver Collar (**8A,8B**). Hold the Receiver Collar at your dog's neck height with the Contact Points pointing up (**8C**) and the www.petsafe.net website on the receiver facing the Boundary Wire. Slowly walk toward the Boundary Wire until you hear the warning tone (**8D**). When you hear the warning tone, you have identified the Field Width distance (Static Correction Zone). Two seconds after the warning tone, the test light will begin to flash. This flashing light can aid you in identifying the Field Width should you have difficulty hearing the tone. To avoid having the Receiver Collar go into Over Correction Protection mode, walk back into the Pet Area until the beeping stops.

   If the Receiver Collar does not beep at the desired range, adjust the Field Width Control knob to the desired setting. Turning the Field Width Control knob clockwise increases the Field Width while turning it counterclockwise decreases it. Repeat this activity as needed until the Receiver Collar beeps between 8 to 12 feet from the Boundary Wire. If using a Double Loop layout, you may need to increase the separation of the Boundary Wire and/or increase the size of the Field Width to achieve the desired range.





6. Test in a number of different locations around the containment area until you are satisfied that the system is functioning properly.
7. Next, walk all around the Pet Area to ensure there are no areas where the Receiver Collar may activate from signals coupled onto buried wires or cables. Test the collar in and around the inside of the house as well. As mentioned, cable and wires from cable TV, electrical or telephone lines may conduct pet fencing signals inside and outside the house that can activate the dog's collar accidentally. While rare, if this occurs your Boundary Wire is probably too close to these outside lines and should be moved or modified as shown in Figure **4A**.
8. To test the run-through prevention feature, walk towards the Boundary Wire. The Receiver Collar should tone and the Test Light should flash brighter as you enter the run-through area (**8E**).

If you are satisfied that your system is functioning properly, you are ready to start burying the Boundary Wire. If the Receiver Collar did not beep or the Test Light did not flash, see the "Troubleshooting" section.

Step 9

Install the Boundary Wire

⚠WARNING

- Underground cables can carry high voltage. Have all underground cables marked before you dig to bury your wire. In most areas, this is a free service. Avoid these cables when you dig.
- Before you begin installing the Boundary Wire, turn the Fence Transmitter OFF and unplug the adapter from the Surge Protector.

To Bury the Boundary Wire

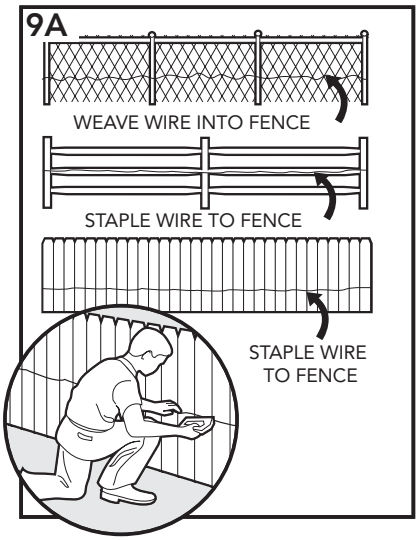
Burying the Boundary Wire is recommended to protect it and prevent disabling the system.

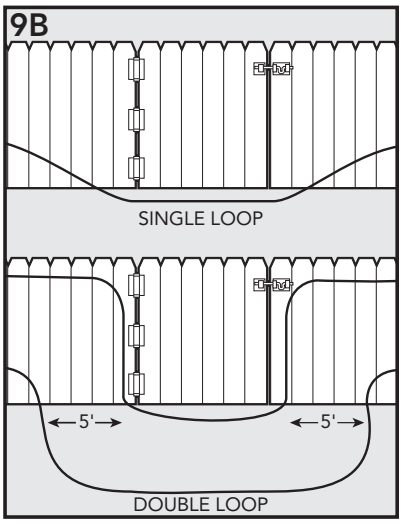
1. Cut a trench **1-3 inches** deep along your planned boundary.
2. Place the Boundary Wire into the trench maintaining some slack to allow it to expand and contract with temperature variations.
3. Use a blunt tool such as a wooden paint stick to push the Boundary Wire into the trench. Be careful not to damage the Boundary Wire insulation.

To Attach the Boundary Wire to an Existing Fence

The Boundary Wire of the PetSafe® In-Ground Fence™ can be attached to a chain link fence, split rail fence, or a wooden privacy fence. The Boundary Wire can be attached as high as needed. However, make sure the Field Width is set at a high enough range for the pet to receive the signal. If using a Double Loop with an existing fence at least five feet tall, run the Boundary Wire on top of the fence and return it on the bottom of the fence to get the five foot separation needed.

- **Chain Link Fence (9A):** Weave Boundary Wire through the links or use plastic quick ties.
- **Wooden Split Rail or Privacy Fence (9A):** Use staples to attach Boundary Wire. Avoid puncturing the insulation of the Boundary Wire.
- **Double Loop with an Existing Fence:** Run the Boundary Wire on top of the fence and return it on the bottom of the fence to get the five foot separation needed.
- **Gate (Single Loop) (9B) :** Bury the Boundary Wire in the ground across the gate opening. *Note: The signal is still active across the gate. Your pet cannot pass through an open gate.*



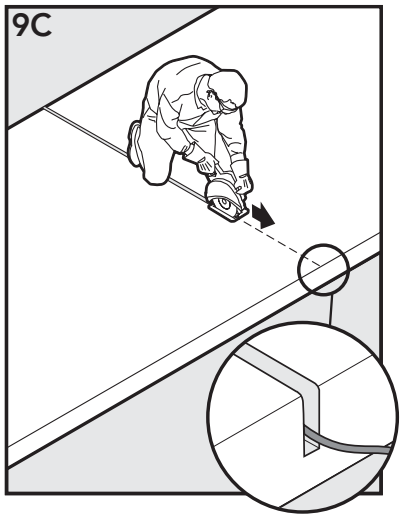


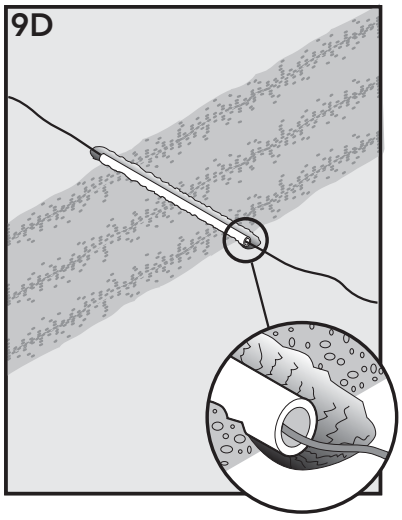
- **Gate (Double Loop) (9B):** Bury both Boundary Wires across the gate opening while keeping them five feet apart.

⚠WARNING Follow all safety instructions for your power tools. Be sure to always wear your safety goggles.

To Cross Hard Surfaces (driveways, sidewalks, etc.)

- **Concrete Driveway or Sidewalk (9C):** Place the Boundary Wire in a convenient expansion joint or create a groove using a circular saw and masonry blade. Place the Boundary Wire in the groove and cover with an appropriate waterproofing compound. For best results, brush away dirt or other debris before patching.
- **Gravel or Dirt Driveway (9D):** Place the Boundary Wire in a PVC pipe or water hose to protect the Boundary Wire before burying.





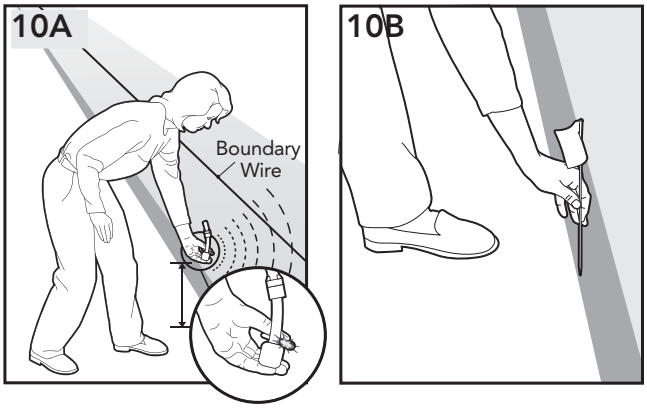
Step 10

Place the Boundary Flags

The Boundary Flags are visual reminders for your pet of where the Warning Zone is located.

1. Place the Test Light Contacts on the Contact Points. Hold the Receiver Collar at your pet's neck height.
2. Walk towards the Warning Zone until the Receiver Collar beeps (**10A**).
3. Place a Boundary Flag in the ground (**10B**).
4. Walk back into the Pet Area until the beeping stops.
5. Repeat this process around the Warning Zone until it is marked with Boundary Flags every 10 feet.

Note: If you cannot hear the beep, see the Test Light Instructions in Step 8.



Step 11

Fit the Receiver Collar

Important: The proper fit and placement of your Receiver Collar is important for effective training. The Contact Points must have direct contact with your pet's skin on the underside of his neck.

CAUTION

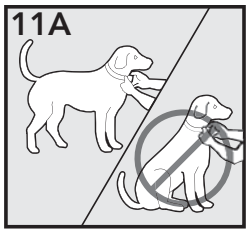
Please read and follow the instructions in this manual. Proper fit of the collar is important. A collar worn for too long or made too tight on the pet's neck may cause skin damage. Ranging from redness to pressure ulcers; this condition is commonly known as bed sores.

- Avoid leaving the collar on the dog for more than 12 hours per day.
- When possible reposition the collar 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 lead to the electronic collar; it will cause excessive pressure on the contacts.
- When using a separate collar for a lead, don't put pressure on the electronic collar.
- Wash the dog's neck area and the contacts of the collar 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 collar until the skin has healed.
- If the condition persists beyond 48 hours, see your veterinarian.
- For additional information on bed sores and pressure necrosis, please visit our website.

These steps will help keep your pet safe and comfortable. Millions of pets are comfortable while they wear stainless steel contacts. Some pets are sensitive to contact pressure. You may find after some time that your pet is very tolerant of the collar. 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.

To assure a proper fit, please follow these steps:

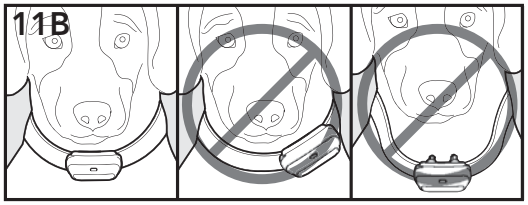
1. Turn the Power OFF at the Fence Transmitter.
2. Start with your pet standing comfortably (**11A**).
3. Place the Receiver Collar on your pet so that the "PetSafe®" logo is right side up and the receiver is directly under your pet's chin. Center the Contact Points underneath your pet's neck, touching the skin (**11B**).

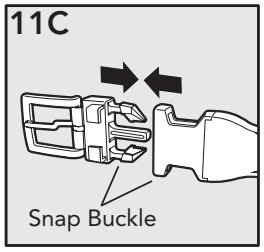


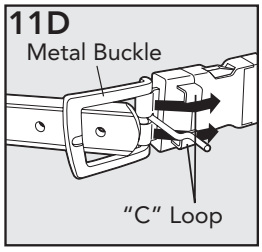
CAUTION You may need to trim the hair in the area of the Contact Points. Never shave the dog's neck; this may lead to a rash or infection.

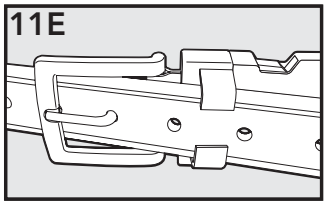
4. The PetSafe® QuickFit™ Collar is designed so you can quickly attach and remove the Receiver Collar from your pet while maintaining the desired fit.
   a. With the Snap Buckle fastened (**11C**), thread the collar through the Metal Buckle (**11D**).
   b. Slide the excess collar through the "C" Loop on top of the Snap Buckle (**11E**). This will hold the excess collar in place.
   c. Once the collar fit is determined, use the Snap Buckle to remove and replace the collar.
5. The Receiver Collar should fit snugly, yet loose enough to allow one finger to fit between a Contact Point and your pet's neck (**11F**). Allow your pet to wear the collar for several minutes, then recheck the fit. Check the fit again as your pet becomes more comfortable with the Receiver Collar.
6. Trim the collar as follows:
   a. Mark the desired length of the collar with a pen. Allow for growth if your pet is young or grows a thick winter coat.
   b. Remove the Receiver Collar from your pet and cut off excess.

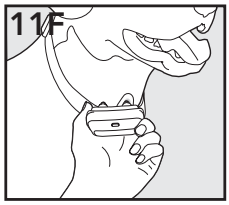
Replacement collar straps are available through the Customer Care Center.











Check the Fit using PerfectFit™ Test

To check the fit of the Receiver Collar using the PerfectFit™ test, place the collar on the Collar Charger for 5 seconds. Remove the Receiver Collar and wait approximately 8 seconds for the collar to go through the ReadyTest®. Do not touch the Contact Points during the ReadyTest®. Place the collar on your pet and adjust the tightness until you hear the 5 consecutive chimes, indicating a good fit. If you do not hear the 5 consecutive chimes, tighten the metal buckle by one notch. Repeat the PerfectFit™ Test.

Training Guide

Be Patient With Your Pet

Important: Proper training of your pet is essential to the success of the PetSafe® In-Ground Fence™. Read this section completely before beginning to train your pet. Remember that the PetSafe® In-Ground Fence™ is not a solid barrier.

- Have fun with your pet throughout the training process. Training should be fun, fair, firm and consistent.
- Train for 10 to 15 minutes at a time. Don't try to do too much too quickly. More-frequent short sessions are better than less-frequent longer sessions.
- We suggest a minimum of 14 days of training. Depending on your pet and how he learns, the training could take more or less time.
- If your pet shows signs of stress, slow down the training schedule, add additional days of training, or increase the amount of play time with your pet in the Pet Area. Common stress signals include:
  - **Pet pulling on leash toward the house**
  - **Ears tucked**
  - **Tail down**
  - **Body lowered**
  - **Nervous / frantic movement or stiffening of pet's body**
- Your pet must be completely comfortable near the Boundary Flags at the end of every training session. Spend at least 5 minutes of "play time" at the completion of each session within 10 feet of the Boundary Flags.
- Finish each training session on a positive note with lots of praise and play.
- Remove the Receiver Collar after each training session.
- Be sure to contain your pet by another means during the training period (e.g. pen, tie-out, leash, etc.).
- During training, if you need to take your pet out of the Pet Area, remove the Receiver Collar and either pick your pet up or put him in the car to pass out of the Pet Area.
- Even if you think your pet is responding well to the training, complete the entire training. Reinforcement is important!

Phase 1

Day 1 - Boundary Awareness

Tone Only Training Mode

Perform three sessions on day one, each training session lasting 10-15 minutes.

Goal:

To have your pet learn that the Boundary Flags and warning beep from the Receiver Collar define the new Pet Area.

Setup:

- Place the Contact Point **Training Covers** over the metal Contact Points on the Receiver Collar. The training covers ensure that your dog does not receive a Static Correction until he learns to retreat from the Static Correction Zone when he hears the Warning Tone. Place the Receiver Collar on your dog and make sure that the Fence Transmitter is powered ON.
- Put a separate non-metallic collar on your pet's neck ABOVE the Receiver Collar and attach a leash.

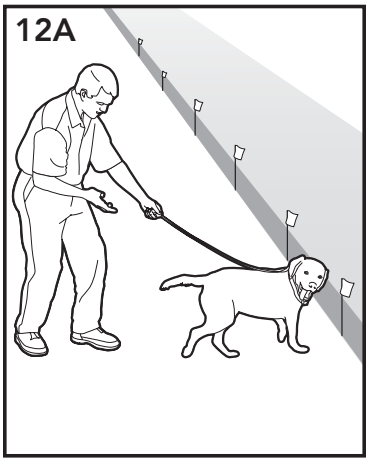
CAUTION	Be sure the extra collar does not put pressure on the Contact Points.

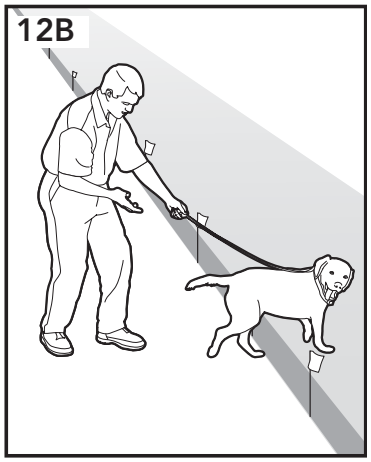
- Have tiny pieces of treats that your pet will find desirable available (hot dogs or lunch meat work well).
- Have your pet's favorite play toy available.

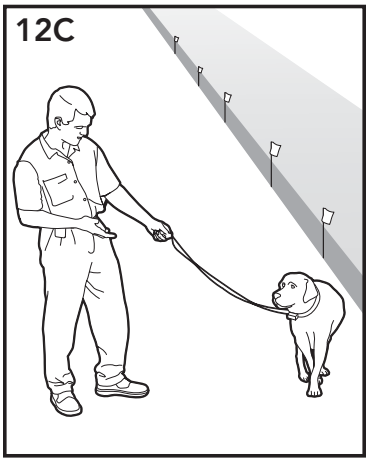
Steps:

1. Begin by walking your pet on a leash in the Pet Area. Calmly praise and talk to your pet.
2. Move toward the Boundary Flags (**12A**). Keep your mood happy.
3. With full control of your pet on a leash, walk to the flags. As your pet enters the Static Correction Zone, the Receiver Collar will begin to beep (**12B**). Allow him to stay in the Static Correction Zone for 2 seconds then gently help him back into the Pet Area (**12C**). Immediately praise and offer your pet a treat as he enters the Pet Area, even if you have helped with the leash.
4. Repeat this process at the same Boundary Flag until your pet resists going into the Static Correction Zone.
5. Aim to master 3-4 Boundary Flags per session. Make this FUN! Praise if your pet quickly retreats or resists going into the Static Correction Zone.

Note: Never allow your pet to eat the treat in the Static Correction Zone.







Phase 2

Days 2 thru 4 - Continue Boundary Awareness

Introduction to Static Correction

Perform three sessions per day, each lasting 10-15 minutes.

Goal:

To train your pet to stay in the Pet Area and respect the boundary.

Setup:

- Set the Static Correction Level on the Fence Transmitter to LO. Remove the Contact Point Training Covers and place the Receiver Collar on your pet's neck.
- Put a separate non-metallic collar on your pet's neck ABOVE the Receiver Collar and attach a leash.

CAUTION Be sure the extra collar does not put pressure on the Contact Points.

- Have tiny pieces of treats available (hot dogs or lunch meat work well).
- Have your pet's favorite play toy available.

Steps:

1. Repeat steps 1-5 in Phase One.
2. If your pet does not respond to the Static Correction, confirm that the Receiver Collar is fitting properly according to Step 11 on page 17.
3. If the Receiver Collar is fitted properly and your pet does not respond to the Static Correction, increase the Static Correction Level at the Fence Transmitter to MEDIUM. Watch for slight reactions at first such as ears up, head turned, looking at the ground.
4. Stay at the same flag until your pet resists going into the Static Correction Zone.

Phase 3 Days 5 thru 8 - Distraction Phase

Perform three training sessions per day, each lasting 10 to 15 minutes.

Goal:
To train your pet to stay within the Pet Area with distractions outside of the Pet Area.

Setup:
- Set the Static Correction Level at the Fence Transmitter to LO or MEDIUM, depending on the size and temperament of your pet. Place the Receiver Collar on your pet.
- Put a separate non-metallic collar on your pet's neck ABOVE the Receiver Collar and attach a leash.

> **CAUTION** Be sure the extra collar does not put pressure on the Contact Points.

- Have tiny pieces of treats available (hot dogs or lunch meat work well).
- Have your pet's favorite play toy available.
- Create distractions to tempt your pet to enter the Warning and Static Correction Zones, such as:
  - **Have a family member cross from inside the Pet Area to outside of it.**
  - **Throw a ball or treat outside of the Pet Area.**
  - **Have a neighbor walk their pet outside of the Pet Area.**
- Gradually increase distraction level. **Never coax or call your pet out of the Pet Area.**

Steps:
1. With full control of your pet on a leash, have the distraction presented.
2. If your pet does not move toward the distraction, praise and offer a treat.
3. If your pet does react to the distraction, allow him to go into the Static Correction Zone.
4. Help your pet back into the Pet Area if he does not turn back after 2 seconds.
5. Treat and praise your pet anytime he comes back into the Pet Area with or without help.
6. Repeat this process with other distractions. Use other family members during this process.
7. If your pet does not respond to the Static Correction, confirm that the Receiver Collar is fitting properly according to Step 11 on page 17.
8. If the Receiver Collar is fitted properly and if your pet does not respond to the Static Correction, increase the Static Correction Level by 1 setting.

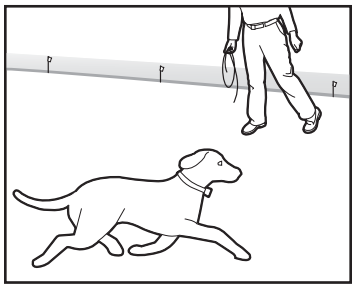
Phase 4 Days 9 thru 14 - Unleashed Supervision

Training sessions should start at 10-15 minutes, gradually increasing to over an hour.

Your pet is ready for this step only when he clearly avoids the entire Boundary Flag line, regardless of any distractions or temptations. During this step, do not leave your pet unattended.

Goal:
To give your pet free run of the Pet Area off the leash.

Setup:
Adjust the Receiver Collar Static Correction Level at the Fence Transmitter to the permanent setting appropriate for your pet.



Steps:
1. Enter the Pet Area with your pet wearing the Receiver Collar.
2. Walk around the yard and play with your pet, staying within the Pet Area at all times.
3. Preoccupy yourself with another task in the yard while watching your pet.
4. Should your pet escape, take the Receiver Collar off and lead him back into the Pet Area.

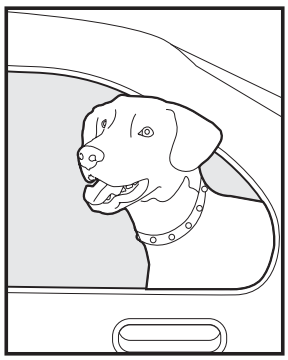
Phase 5 Days 15 thru 30 - Pet Monitoring

Your pet is ready to run! Check in on your pet at regular intervals.

Note: After you are satisfied your pet's training is complete, remove every other Boundary Flag every 4 days until all flags are removed. Save Boundary Flags for future use.

Taking Your Pet Out of the Pet Area

Important: Remove the Receiver Collar and leave it in the Pet Area.



Once your pet learns the Boundary Zone, he will be reluctant to cross it for walks or car rides.

Option 1: Replace the Receiver Collar with a regular collar. Put your pet in a car that is within the Pet Area and drive him out of the Pet Area.

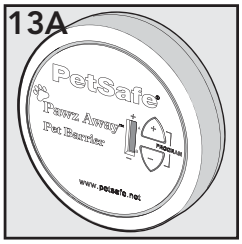
Option 2: Replace the Receiver Collar with a regular collar and leash. Walk your pet out of the Pet Area while giving a command such as "OK" at a specific place of the Boundary Zone (the end of your driveway, sidewalk, etc.). Always leave the Pet Area with a leash at this place and your pet will associate leaving the Pet Area only on a leash, only at this place, and only with a person. You may initially need to convince your pet to leave the Pet Area with a food treat and lots of praise.

Note: You may also carry your pet out of the Pet Area.

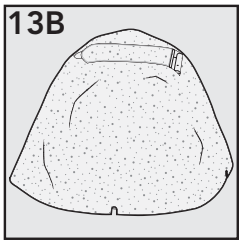
Congratulations! You have now successfully completed the training program.

Working with PetSafe® Pawz Away® Pet Barriers

Your UltraSmart® Receiver Collar also works with our Pawz Away® deterrence products to keep your pet away from areas inside or outside your home.



The Pawz Away® Indoor Pet Barrier (part number ZND-1000) protects areas inside your home and can teach your pet to stay off of furniture, away from trash or out of certain rooms. The small, battery operated Indoor Barrier fits discreetly inside your home and protects a circular area up to 12 feet in diameter. (**13A**)



The Pawz Away® Outdoor Pet Barrier (part number RFA-378) teaches your pet to avoid areas in your landscape. The waterproof and battery operated Outdoor Barrier is disguised as a rock to blend into your landscape. It can wirelessly protect a circular area up to 16 feet in diameter or protect a custom shaped area using up to 150 feet of Boundary Wire. (**13B**)

The Pawz Away® Pet Barrier systems are easy to operate and you can use more than one to protect multiple areas. Purchase the Pawz Away® Pet Barriers by visiting our website at www.petsafe.net or by calling the Customer Care Center.

Accessories

To purchase additional accessories for your PetSafe® In-Ground Fence™, contact the Customer Care Center or visit our website at www.petsafe.net to locate a retailer near you.

Component	Part Number
Power Adapter for the Fence Transmitter	RFA-373
Surge Protection Kit	LP-4100-1
Replacement Collar Strap	RFA-382
Additional UltraSmart® Receiver Collar	PIG00-13620
Additional Boundary Wire	RFA-1
Additional Boundary Flags	RFA-2
Additional Gel-filled Capsules and Wire Nuts	RFA-366
Wire & Flag Accessory Kit	PRFA-500
Fence Transmitter	M024103LF
Wire Break Locator	RFA-450
Receiver Collar Charger	IUA-005
Contact Point Accessory Pack	RK-23

Additional Information

- Use care when using a weed eater or when digging near the Boundary Wire to prevent damage.
- The system should only be used with healthy pets. Contact your veterinarian if you have concerns about the medical condition of your pet (medication, pregnant, heart conditions, etc.).
- The PetSafe® UltraSmart® In-Ground Fence™ is for residential use only.
- The Static Correction will get your pet's attention, but will not cause harm. It is designed to startle, not to punish.
- Remove the Receiver Collar from your pet when indoors for the comfort of your pet.
- Never leave the Receiver Collar on your pet for more than 12 consecutive hours.

Troubleshooting

Receiver Collar is not beeping or correcting.	• Charge the Receiver Collar and go through the ReadyTest® and PerfectFit™ diagnostic tests. • Check that the Fence Transmitter Power is turned ON and the transmitter status light is solid green. If not, perform the "System Test" (page 24) and/or "Transmitter Loop Test" (page 25).
The Receiver Collar is beeping, but the pet is not responding to the Static Correction.	• Make sure the Contact Point Training Covers are not over the metal Contact Points. • Test the Receiver Collar with the Test Light walking toward the Boundary Wire. • If the Test Light flashes, check the fit of the Receiver Collar. • Trim your pet's fur where the Contact Points touch the neck or use the long Contact Points. • Increase the Static Correction Level. • Repeat training steps to reinforce training.
The Receiver Collar has to be held on top of the Boundary Wire to activate.	• Charge the Receiver Collar. • Adjust Field Width Control knob clockwise to increase the distance from the Boundary Wire that the Receiver Collar activates. You can also adjust the Field Size Switch to another setting. • If using a Double Loop, make sure Boundary Wires are separated by at least 5 feet. • If the Receiver Collar still has to be held on top of the Boundary Wire, perform the "System Test" (page 24) and/or "Transmitter Loop Test" (page 25).
The Receiver Collar activates inside the house.	• Make sure the Boundary Wire is not running within 15 feet of the house. The signal can transmit through the walls of your house. • Make sure Boundary Wires are twisted from Boundary to the Fence Transmitter. • Turn the Field Width Control knob counterclockwise to decrease the distance from the Boundary Wire that the Receiver Collar activates.
I have an inconsistent signal.	• Make sure Fence Transmitter is at least 3 feet from large metal objects or appliances. • Make sure all Boundary Wire turns are gradual. • Make sure the Boundary Wire is not running parallel to and within 10 feet of electrical wires, neighboring containment systems, telephone wires, television or antenna cables, or satellite dishes. • If a neighboring containment system may be causing an inconsistent signal, move the Boundary Wire farther away from the neighboring containment system.
Transmitter alarm is operating and status light is flashing.	• Check the Transmitter Status Indications label located on the transmitter to determine cause and corrective action.
Transmitter status light and alarm indicates Boundary Wire is broken or disconnected.	• Check Boundary Wire connections at the Fence Transmitter and/or Surge Protector for proper connection. • Check for broken or damaged Boundary Wires at outside entry to the house. • Perform "Transmitter Loop Test" (page 25). • Perform "Wire Break Location Test" (page 25).

No status light on the Fence Transmitter and alarm is silent.	• Verify the transmitter power is ON. • Check that the Power Adapter and/or Surge Protector are plugged in properly. • If the system is plugged into a GFCI outlet, check to see if the circuit has been tripped. Reset GFCI circuit if required. • Verify that the outlet is working properly by plugging in a known working item such as a radio. • If a Surge Protector is installed, unplug the Surge Protector and plug the Power Adapter directly into the outlet. If the transmitter operates without the Surge Protector, contact the Customer Care Center for a replacement Surge Protector.
No status light on the transmitter and the alarm is on (system is on battery back-up power).	• Check that the Power Adapter and/or Surge Protector are plugged in properly. • If the system is plugged into a GFCI outlet, check to see if the circuit has been tripped. Reset GFCI circuit if required. • Verify that the outlet is working properly by plugging in a known working item such as a radio. • If a Surge Protector is installed, unplug the Surge Protector and plug the Power Adapter directly into the outlet. If the transmitter operates without the Surge Protector, contact the Customer Care Center for a replacement Surge Protector.
Receiver Collar is not charging.	• Check that the Receiver Collar is properly seated on the Collar Charger with PetSafe® logo facing up. • Verify that the contact on the Collar Charger is clean and that there is no coating on the Receiver Collar Contact Points. • Check that the Receiver Collar strap is not pushing the receiver up off of the Collar Charger. • If the Indicator Light on the Receiver Collar still does not glow red when placed on the Collar Charger, there is a problem with the Collar Charger. If the Indicator Light glows red when placed on the Collar Charger but goes out after removing the Receiver Collar without performing the ReadyTest® there is a problem with the Receiver Collar. Call the Customer Care Center.

System Test

The system test is used to determine cause of system problems that have not been addressed elsewhere in this guide. You will need a piece of Boundary Wire greater than 15 feet long with ⅜ inch of insulation removed from each end to use as a test loop wire. Make a note of your Field Width control setting, Field Size switch setting, and Receiver collar setting before beginning the System Test. Follow the steps below to perform the system test:

1. Remove the Receiver Collar from your dog and make sure it is fully charged.
2. Turn the Fence Transmitter Power OFF.
3. Set the Field Size switch to SM.
4. Set the Static Correction Level (STIM) to HI.
5. Disconnect the twisted Boundary Wire from the Loop Wire Terminals on the Fence Transmitter.
6. Insert the two ends of the test loop wire into the Loop Wire Terminals on the transmitter.
7. Turn the Field Width to the minimum setting (MIN).
8. Turn the Fence Transmitter Power ON.
9. Place the Test Light Tool Contacts on the Contact Points of the Receiver Collar. While holding the Receiver Collar with Test Light Tool in place, approach the wire from the outside loop. Make a mental note of the distance between you and the wire when the Receiver Collar activates.
10. Turn the Field Width control knob to 12 o'clock or a medium setting and repeat Step 9. The distance where the Receiver Collar activates should be greater.
11. If more than one Receiver Collar is used on the system, repeat the above test on each collar.
12. Interpreting the Results:
    a. If there is no light on the Fence Transmitter or a red flashing light with an alarm, there is a problem with the transmitter.
    b. If the green light is solid on the transmitter but the Receiver Collar does not activate on the test loop wire, the Receiver Collar is not working.
    c. If the green light is solid on the transmitter and the Receiver Collar is activating at different distances on the test loop wire, the problem is either in the containment Boundary Wire or the Surge Protector.
    (USA and Canada Only: Reconnect the transmitter wires to the Surge Protector and connect the test loop to the Surge Protector Loop terminals. Repeat steps 6 through 10.)
    If the green light is solid on the transmitter and the Receiver Collar is activating at different distances on the test loop wire, the problem is in the containment Boundary Wire. Perform the Wire Break Location Test. *(USA and Canada Only: If there is a red flashing light with an alarm on the Fence Transmitter, there is a problem with the Surge Protector. Contact the Customer Care Center.)*
13. When testing is complete, return the Field Size and Field Width settings to their original position.
14. Reconnect the twisted Boundary Wire from the Loop Wire Terminals on the Fence Transmitter by pressing the release levers on the connector and inserting the wires.
15. Repeat the Field Width testing from Step 8 on page 15 until you achieve the desired Field Width.

Transmitter Loop Test (USA and Canada)

The Transmitter Loop Test is a simple test to determine the cause of a "Boundary Wire Broken or Disconnected" alarm indication. You will need a short 15 foot piece of Boundary Wire with ⅜ inch of insulation stripped from both ends.

CAUTION To prevent an unintended correction, always remove your dog's Receiver Collar before performing any transmitter testing.

Verify the transmitter is plugged into the Surge Protector, the transmitter Power Switch is ON, and all Boundary Wire connections at the Surge Protector and transmitter are properly connected. If the transmitter status light is still flashing red and the alarm is on, continue with the following steps:

1. Remove the twisted wire from the Surge Protector Loop connector by pressing the red release levers on the connector and pulling the wires free.
2. Insert both ends of the 15 foot piece of wire into the Loop connector on the Surge Protector and recheck the transmitter status light and alarm.
   a. If the status light is green and the alarm is off, there is a problem with the Boundary Wire. Check for visible damage to the wire at the entry into the house. If none is observed, perform the Wire Break Location Test to find and correct the wire break in your Boundary Loop.
   b. If the status light is still flashing red and the alarm is on, remove the 15 foot piece of wire, reconnect the Boundary Wire to the Surge Protector and continue with the following steps.
3. Remove the twisted wire from the Fence Transmitter Loop Terminals by pushing the release levers away from the wires.
4. Insert both ends of the 15 foot wire loop into the Loop Terminals and recheck the transmitter status light and alarm.
   a. If the status light is green and the alarm is off, there is a problem with the Surge Protector. Contact the Customer Care Center for assistance.
   b. If the status light is still flashing red and the alarm is on, there is a problem with the Fence Transmitter. Contact the Customer Care Center for assistance.

Transmitter Loop Test (Australia and New Zealand)

The Transmitter Loop Test is a simple test to determine the cause of a "Boundary Wire Broken or Disconnected" alarm indication. You will need a short 15 foot piece of Boundary Wire with 3/8 inch of insulation stripped from both ends.

CAUTION To prevent an unintended correction, always remove your dog's Receiver Collar before performing any transmitter testing.

Verify the transmitter is plugged into the AC power, the transmitter Power Switch is ON, and all Boundary Wire connections at the transmitter are properly connected. If the transmitter status light is still flashing red and the alarm is on, continue with the following steps:

1. Remove the twisted wire from the Fence Transmitter Loop Terminals by pushing the release levers away from the wires.
2. Insert both ends of the 15 foot wire loop into the Loop Terminals and recheck the transmitter status light and alarm.
   a. If the status light is green and the alarm is off, there is a problem with the Boundary Wire. Check for visible damage to the wire at the entry into the house. If none is observed, perform the Wire Break Location Test to find and correct the wire break in your Boundary Loop.
   b. If the status light is still flashing red and the alarm is on, there is a problem with the Fence Transmitter. Contact the Customer Care Center for assistance.

Wire Break Location Test

Please follow these steps in determining where you have a break in your Boundary Wire:

1. Locate your original splice(s) and verify they have a good, solid connection.
2. Check your yard to determine any possible damage to the Boundary Wire (e.g. recent digging, aerating, rodent burrowing, or any other noticeable disturbance in your yard next to the Boundary Wire).

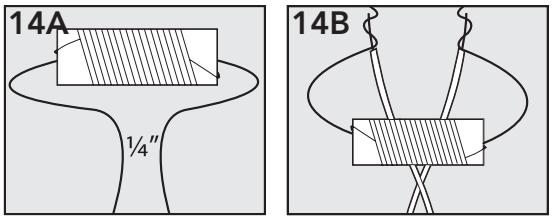
If you still cannot find the break in the Boundary Wire, there are three options for locating it:

Option 1: Contact the Customer Care Center to purchase a Wire Break Locator (RFA-450) that will locate the break in the Boundary Wire.

Option 2: Use a portable AM radio and a 100 µH RF Choke (available at Radio Shack®, part number 273-102) to locate the wire breaks. Once you have these items, follow these steps:

1. Disconnect the Fence Transmitter power by unplugging the power adapter from the Transmitter Power Jack.
2. Disconnect the Boundary Wires from the Surge Protector Loop Terminals (USA and Canada) or Fence Transmitter (Australia and New Zealand).

3. Bend the leads of the RF Choke into the shape shown (**14A**).
4. Carefully wrap the RF Choke leads around the Boundary Wire leads as shown (**14B**).
5. Re-insert the Boundary Wire and RF Choke leads into the Loop Terminals on the Surge Protector or Transmitter.
6. Plug the Power Adapter back into the Transmitter Power Jack.
7. Adjust the portable AM radio between the 530 to 600 KHz AM bands (where there are no active radio stations).



8. Adjust the transmitter Field Width knob high enough to obtain a signal on the portable radio when holding the radio over the containment Boundary Wire. The signal you hear on the radio is short static pulses. Remember that the signal should be absent on any twisted wire sections because twisting the wire cancels the signal.
9. Hold the radio 1 to 2 feet off of the ground and swing the radio (side to side, left to right) over the wire as you walk along the boundary.
10. If the pulsating static stops, weakens or changes pitch, mark the spot with a flag or stick. No sound indicates a complete break in the wire. If the signal fades or changes in pitch, look for a nick in the wire insulation.
11. Continue around the remaining boundary and mark any additional signal change with a flag or stick.
12. After completing the entire boundary, return to the marked spots. Examine the wire for 3 to 4 feet in each direction.
13. Replace the damaged Boundary Wire using the same gauge wire used in the original installation and use waterproof splice capsules to make the connections. Contact the Customer Care Center for additional Boundary Wire, Wire Nuts and Waterproof Splice Capsules, if needed.

Option 3: Follow the procedure below:

1. Unplug the Fence Transmitter.
2. Connect both ends of your twisted Boundary Wire to one Loop Wire Terminal.
3. Measure and cut a Test Wire which is half the length of your total Boundary Wire footage.
4. Connect one end of Test Wire to the other Loop Wire Terminal.
5. Locate the halfway point of your boundary and cut the Boundary Wire.
6. Splice the other end of the Test Wire to either side of your Boundary Wire where you cut it in half.
7. Plug in the Fence Transmitter and check the Status Indicator Light. If the Status Indicator Light glows solid green, you can assume the break is in the other half of the Boundary Wire.
8. If the Status Indicator Light flashes red and the alarm sounds, you may assume there is a break in this portion of the Boundary Wire. However, there is a small chance of having more than one break in your system. Be sure to check both halves of your entire loop.
9. Replace the damaged Boundary Wire with new Boundary Wire.
10. Reconnect the Boundary Wire to the Fence Transmitter.
11. Check the Status Indicator Light. If the Status Indicator Light glows solid green, test the system with the Receiver Collar.

Terms of Use and Limitation of Liability

1. Terms of Use

This Product is offered to you conditioned upon your acceptance without modification of the terms, conditions and notices contained herein. Usage of this Product implies acceptance of all such terms, conditions, and notices.

2. Proper Use

This Product is designed for use with pets where training is desired. The specific temperament of your pet may not work with this Product. We recommend that you not use this Product if your pet is less than 8 pounds or if your pet is aggressive. If you are unsure whether this is appropriate for your pet, please consult your veterinarian or certified trainer.

Proper use includes reviewing the entire Guide provided with your Product and any specific Caution statements.

3. No Unlawful or Prohibited Use

This Product is designed for use with pets only. This pet training device is not intended to harm, injure or provoke. Using this Product in a way that is not intended could result in violation of Federal, State or local laws.

4. Limitation of Liability

In no event shall Radio Systems Corporation® be liable for any direct, indirect, punitive, incidental, special or consequential damages, or any damages whatsoever arising out of or connected with the use or misuse of this Product. Buyer assumes all risks and liability from the use of this Product.

5. Modification of Terms and Conditions

Radio Systems Corporation® reserves the right to change the terms, conditions and notices under which this Product is offered.

Compliance

FCC/Canada

This Class B digital apparatus complies with Canadian ICES-003. 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 when the equipment is operated in a residential environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction guide, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a practical installation. If this equipment causes 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:

- Relocate the interfered receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different to that to which the receiver is connected.
- Contact the Customer Care Center.

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.

Unauthorized changes or modifications to the equipment, not approved by Radio Systems Corporation®, could result in not meeting compliance with FCC regulations and could void the user's authority to operate the equipment.

Australia

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

Customer Care International

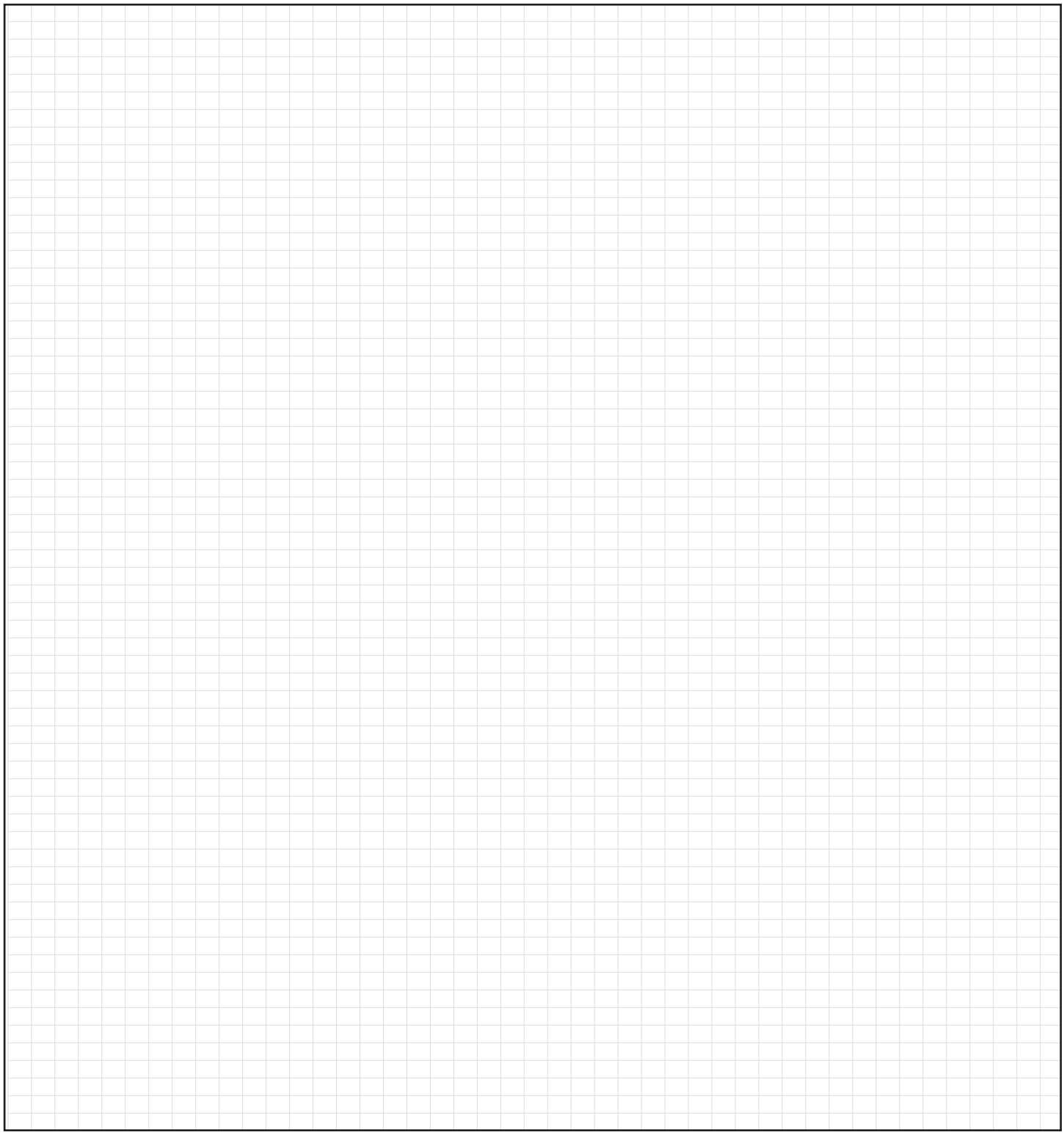
Canada - Tel: 800-732-2677
Monday - Friday 8 AM - 8 PM / Saturday 9 AM – 5 PM

Australia - Tel: 1800 786 608
Monday - Friday 8:30 AM - 5 PM

New Zealand - Tel: 0800 543 054
Monday - Friday 10:30 AM - 7 PM

This product has the benefit of a limited manufacturer's warranty. Details of the warranty applicable to this product and its terms can be found at www.petsafe.net and/or are available by sending a stamped addressed envelope to PetSafe® Ltd. Redthorn House, Unit 9, Chorley West Business Park, Ackhurst Road, Chorley, Lancashire PR7 1NL, United Kingdom.

Layout Grid



Radio Systems® Corporation
10427 PetSafe Way
Knoxville, TN 37932
1-800-732-2677
www.petsafe.net
400-1427/1