



## Rechargeable No-Bark Hidden Dog Fence



Innotek's Pet Containment System provides security for your dog and peace of mind for you. Its humane stimulation is proven safe and effective for training dogs to stay within the boundaries you set. This system, Model CB-100W, features Innotek's micro-size collar receiver - our smallest ever - along with bark-control functions. This unique, dual-purpose system is ideal for dog owners who need a solution to two common problems at once. Although you are eager to get your system installed and begin training your dog, please take the time to review the Installation and Training Video, Training/Troubleshooting Guide and this manual so your installation and training can proceed efficiently and successfully.

### COMPONENTS

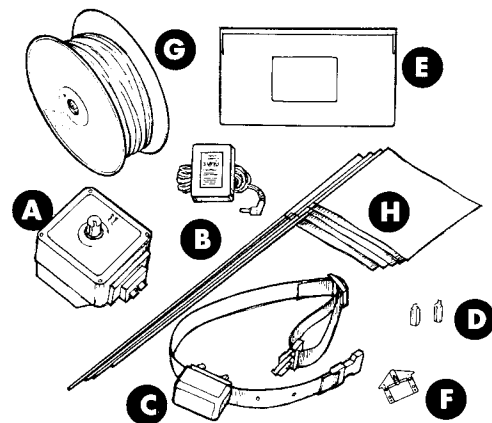
- A Wall-Mount Transmitter** - Used to turn the containment system on and off, control the field width, and select the containment stimulation level. The transmitter is also used to recharge the collar receiver.
  - B AC Adapter** - Power source for the transmitter.
  - C Collar Receiver** - Consists of a rechargeable receiver attached to a nylon collar strap.
  - D Collar Receiver Probes (2 sets)** - Use the long probes for dogs with long hair and the short probes for dogs with short hair. Special probes are available for dogs with extra-thick coats. Call the Innotek Contact Center to order.
  - E Installation and Training Video** - A step-by-step guide to installing your containment system and training your dog.
  - F Test Light** - Used to make sure the collar receiver is operating properly. When the light is attached to the collar probes and the collar is held in the signal field, the test lamp should light.
  - G Boundary Wire** - Used to create the containment system boundary. Wire is available in 500-foot spools. If more than 500 feet is needed, simply purchase an additional boundary kit(s). Boundary kits include 500 feet of wire, 50 boundary flags and two waterproof wire splices.
- Note:** A chart at the end of this manual provides approximate linear footages to cover different areas and the boundary kit model needed for your system.
- H Boundary Flags** - Helpful for teaching your dog the boundaries of the containment system.

### Additional Items included, but not shown:

- Wire Splices** - Used for joining wire ends.
- Key-chain Magnet** - Used to turn collar on and off, change operating modes, and select the barking stimulation level. (Any magnet will perform this function.)
- Probe Wrench** - Used to tighten probes. When changing probes, finger tighten, then turn one additional revolution with the wrench. Do not over-tighten.
- Training/Troubleshooting Guide** - A useful guide to help you train your dog to respect the boundary area.
- Mounting Hardware** - Used to attach the transmitter to the wall.

### BEFORE YOUR BEGIN

Realize that because individual dogs have unique temperaments, there is no way of knowing how your dog will react to its introduction to the training collar. For the safety of your dog, initial training should take place using a long leash to keep you in complete control over the situation. Also realize that an aggressive animal could turn against the handler upon receiving the stimulus. Therefore, if you feel your dog has an aggressive behavior and/or has a history of such behavior, we suggest you consult a certified animal behaviorist before using this product as a training aid.



### PART I. CONTAINMENT SYSTEM OPERATION SECTION 1: THE WALL-MOUNT TRANSMITTER

The transmitter can be mounted to a wall near a standard 110-volt household outlet with the included screws. The transmitter will withstand freezing temperatures, but it is not waterproof. However, the collar should only be charged when the ambient temperature is between the range of 32°F and 110°F. Therefore, it is best to locate the transmitter in an enclosed area that does not fall outside the above temperature range.

To power the transmitter, plug the AC adapter into a standard 110-volt household outlet and connect it to the transmitter's power port.

**Transmitter features include:**

**A. Lightning/Surge Protection** - Helps prevent the transmitter from damage if a power surge occurs or if lightning hits the ground in your area. A close lightning strike may damage the unit. Therefore, we recommend that you unplug the transmitter and disconnect the wires during storms. Innotek also sells a lifetime-warranted lightning protection module to protect the transmitter from both AC power surges and containment wire surges that occur during a close lightning strike. Contact Innotek for more information.

**B. Wire Connectors** - Easy-to-use, push-release wire connectors let you instantly connect or disconnect the boundary wire leads. Wires should be stripped about a half inch before connecting.

**C. Indicator Light** - Tells you the following information:

a. Containment Mode - A continuous red light tells you the transmitter is properly connected, both wires are connected and the wire forms an unbroken, continuous loop.

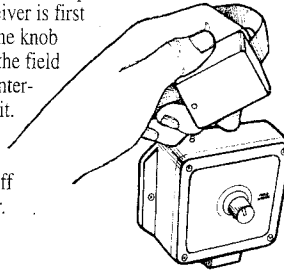
b. Collar is Charging - A blinking red light indicates the collar is charging, and the containment system is disabled until charging is complete and the collar is removed from the alignment pin on the transmitter.

c. System Malfunction - No light tells you one or more of the following: One or both wires are not properly connected; both wires are connected but the wire is broken or nicked at some point; or the transmitter has malfunctioned.

**Note:** The transmitter light only indicates continuity. If you have a loose splice or nicked wire, the red light or a flickering light may still show, but you may notice reduced or no field width. If this situation or a wire break should occur, follow the instructions in the Training/Troubleshooting Guide.

**D. Power and Field Width Adjustment Knob** -

Controls the width of the signal field (the distance from the boundary wire to the place where the collar receiver is first activated). Turning the knob clockwise increases the field width; turning it counter-clockwise decreases it. Turning the knob completely counter-clockwise switches off the transmitter power.



**SECTION 2: THE COLLAR RECEIVER**

**A. CHARGING**

1. To charge the collar receiver, place it on top of the transmitter, and make sure the transmitter's raised alignment pin fits into the receiver's indicator light depression.

**Note:** The collar should be charged in a location where the ambient temperature is between 32°F and 110°F.

2. When properly aligned, the transmitter's indicator light will blink during charging.

3. The transmitter keeps track of the charging time. At the start of charging, the transmitter will emit a blinking red light for 12 hours.

4. When charging is done, the transmitter light will go out. Remove the collar receiver. Upon removal from the charger, the receiver will immediately cycle through the bark stimulation and sensitivity level setting controls to allow the user to verify and/or change the bark settings. The receiver will then enter the Containment Only mode, as identified by the flashing RED light. (For more information on Operating Modes, see Part II.)

**NOTE TO MULTIPLE DOG OWNERS:** Because the system is not operational while a collar receiver is being charged using the wall-mount transmitter, you may want to purchase a separate charger from Innotek. You can then charge a collar without disabling the system.

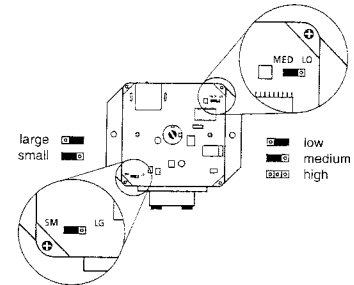
**IMPORTANT CHARGING NOTES**

a. Charge the receiver 12 hours before first use.

b. Test the system once a week to make sure the receiver is still charged. To test, walk the receiver into the signal field with the test light attached to the probes, and the probes pointing upward. Hold the receiver case at the same level as the dog's neck and listen for the warning tone or watch for the test light to flicker.

c. You can expect 30-45 days on a charge. Charge life is affected by how much time the collar is on, how often the dog tests the containment boundary, how frequently the dog barks, and how intense the stimulation is.

d. Every six months the receiver should be allowed to fully discharge, then be fully recharged. To discharge, hook up the test light to the collar receiver probes and place the receiver in the signal field until it is fully drained (indicated by no tone or light).



**Note:** Always use the test light when draining the collar receiver. Not using the test light can permanently damage the receiver.

### SECTION 3: THE CORRECTION

**A. Setting the Stimulation (Correction) Level -** The transmitter allows three levels of correction: Low, Medium, or High.

It comes from the factory set at Medium. If you want to change the level:

1. Remove the four cover screws, range control knob, and the front cover.
2. The "jumper" in the upper right corner of the transmitter can be moved to the right for the Low setting or completely removed for the High setting.

When the dog reaches the edge of the boundary (signal field) in the yard, it will hear a pre-stimulation warning tone that lasts about two seconds. If the dog does not move back from the boundary, it will receive a continuous correction stimulus (at the Low, Medium, or High level) until it re-enters the "safe" part of the yard.

**Note:** If the transmitter is set on High, there will be no pre-stimulation warning tone prior to the correction.

**B. Setting the Signal Level -** The signal level "jumper" near the bottom-left of the transmitter can be moved from the SM for small yards (less than 1000 feet of boundary wire) to LG for large yards (over 1000 feet of boundary wire). The jumper must be in place for the transmitter to function. The "jumper" factory setting is small.

#### **C. Special Features That Increase Effectiveness -**

The system is fully operational when the collar receiver has an adequate charge and the boundary wire is producing a signal field. These special features increase the system's effectiveness:

**1. Pre-Stimulation Warning Tone -** When the dog reaches the edge of the signal field in the yard, it will hear a pre-stimulation warning tone that lasts about two seconds. If the dog does not return to the safe part of the yard, it will receive a continuous correction stimulus (at the Low, Medium, or High transmitter setting level) until it re-enters the "safe" part of the yard.

**Note:** If the transmitter is set on High, there will be no pre-stimulation warning tone prior to the correction.

**2. Run-Through Prevention.** The receiver automatically increases the stimulation when the dog continues more than 1/3 of the way through the signal field, regardless of the previously set transmitter stimulus level. For example, if the signal is detected 12 feet from the wire and your dog enters the signal field, this feature is activated when the dog is eight feet from the wire. At this point, the dog automatically receives the High level of correction. This feature acts as an override to the pre-stimulation warning tone, so the

dog cannot "run-through" the system without activating a strong correction. As the dog retreats into the yard, the correction will reduce to the transmitter setting level and then turn off as the dog returns to the safe part of the yard.

### 3. Over-Correction Prevention.

In the unlikely event your dog becomes "trapped" in the correction field, this feature limits the length of time it receives the correction to 20 seconds. The system will then shut off for 10 seconds before resuming correction for another 20 seconds. This pattern will alternate until your dog returns to the safe part of the yard or the system is turned off.

### SECTION 4: FITTING THE COLLAR TO YOUR DOG

#### **Probes**

- Use short probes for short-haired dogs
- Use long probes for long-haired dogs
- Finger-tighten the probes, then turn one additional revolution with the probe wrench.

Do not over-tighten.

#### **Collar Strap**

- Place the collar around the dog's neck with the receiver box under the chin.

• Fit the strap as snugly as possible, without restricting breathing. There should be enough room to fit only two small fingers between the strap and the dog's skin at the back of its neck.

• Make sure both probes contact the dog's skin, and the probes are positioned an inch above or below the dog's vocal cords (Adam's Apple).

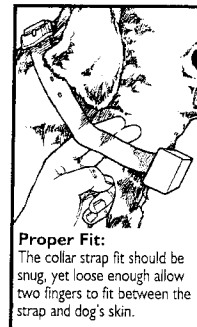
• Remove the collar and trim the excess, leaving 4-6 inches.

#### **NOTE:**

- **Special probes** are available for thick-haired dogs
- **Dummy collars**, which are non-operational but get the dog used to wearing a training collar, are also available. Contact Innotek to order.

### IMPORTANT NOTES ABOUT THE COLLAR AND TRANSMITTER

1. Always use the rubber insulators between the collar strap and probes to provide insulation in damp conditions.
2. If needed, a small amount of hair removal or thinning will improve probe contact with the skin.
3. Check your dog's neck periodically for skin irritation.
4. Never leave the collar on your dog for more than 12 hours a day or when you are away.
5. This product is not recommended for dogs under six months of age.



6. Check the tightness of the probes regularly and frequently to prevent loss of the receiver box.
7. The collar is waterproof and will not be damaged if it gets wet. Never place the collar in the dishwasher.
8. Do not clean the transmitter with any liquid, including water.
9. Do not attempt to dismantle or repair the transmitter or receiver. They contain computerized circuitry that should be serviced only by an authorized expert.
10. To prevent accidental stimulation inside the home, change the Operating Mode to Bark-Control Only, turn the collar Off, or remove the collar from the dog's neck when it comes inside.

**\*\*EXTRA COLLARS\*\***

Any number of collars may be added to your system. See your dealer for a selection of extra collars or call the Innotek® Contact Center at 1-800-826-5527.

**SECTION 5: INSTALLING THE BOUNDARY WIRE**

Before installing the boundary wire, contact your utility companies to mark the utility lines before digging. Select the areas of the property within which you want to contain the dog. A diagram may be helpful to avoid unforeseen obstacles. (Please note the example diagrams included at the end of this manual.)

Your system includes 500 feet of boundary wire. For yards requiring more wire, boundary kits are available from your dealer or Innotek. Each boundary kit includes 500 feet of wire, 50 training flags, and two waterproof wire splices. Here are some examples of wire coverage:

Acres	Linear Ft. Needed
1	850
2	1200
3	1500
4	1700
5	1900

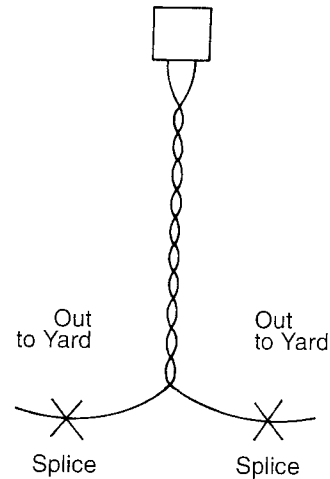
Above figures assume a rectangular layout. Actual footage may vary. For estimates on yards larger than 5 acres, call the Innotek Contact Center.

Keep in mind that you will want at least a 6- to 8-foot signal field (3-4 feet on each side of the wire) and the dog will stay back another 2 to 4 feet from the edge of the field. An 8- to 12-foot wide field is preferred. Avoid making passages too narrow or your dog may be hesitant to use them (i.e. along the sides of a house).

**Tools Needed** - You may need the following tools for efficient installation: Straight-edged spade, wire cutter/stripper, and flathead screwdriver. If you plan to run the wire across concrete you will also need a caulk gun, silicone caulking, and a circular saw with a masonry blade.

**Placing the Wire** - For the system to work properly, the wire must make one continuous loop. The signal is transmitted from one terminal of the transmitter, through the wire, and back to the other terminal.

Running and twisting the wire along itself cancels the signal. Use twisted wire from the transmitter out to the exterior loop wire. This allows the dog to cross that area without receiving a signal. To twist the wire, cut two equal lengths and hold them side by side. Put one end of both wires in a power drill and spin the wires until the twists are 1 to 3 inches apart. The tighter the wire, the better the signal cancellation. The wire can also be twisted manually.



The wire does not have to be buried, but for protection you probably want to bury it at least one inch underground. Start by digging about 3 to 4 inches deep where the wire first enters the ground near the transmitter and continue around the path of the loop wire. A 30° or 45° angle cut made with a flat blade spade will be the easiest to close and heal.

**NOTE:** When covering a large area, you may wish to use a trenching machine to cut into the ground. However, we recommend that the wire be placed in the trench by hand. A commercial wire-placing machine may break the wire.

**IMPORTANT! DO NOT BURY THE WIRE UNTIL YOU HAVE TESTED THE SYSTEM AND ARE SURE IT IS WORKING PROPERLY!**

Use gradual turns at the corners with a minimum of 2.5-foot radius. This will produce a more consistent signal field and avoid confusing the dog in these areas.

**IMPORTANT!**

Do not run the loop within six feet parallel to electrical, telephone, cable TV, or any other buried wire in the yard.

Do not run one section of wire within 10 feet of another section or the signal may cancel.

Do not run your wire within 10 feet of a neighboring containment system's boundary wire.

**Driveways/Sidewalks** - When crossing an asphalt driveway, make a 1/2-inch deep cut across the driveway using a circular saw and masonry blade. Place the wire in the crack and seal with asphalt sealant. **On driveways and sidewalks**, if an expansion joint is available, simply place the wire in the joint and seal with an outdoor caulk. **When crossing gravel**, bury the wire at least 3 inches deep. Use an old garden hose or plastic PVC piping to protect the wire. **In water**, anchor the wire with large rocks. Protect the wire with an old garden hose or plastic PVC piping.

**Splices** - The wire connections must be waterproof. Using electrical tape, solder, or twisted wire nuts will cause an intermittent signal or disarm the system. The waterproof splices included in Innotek's containment system are designed to provide a sealed connection between the wires. The insulation on the boundary wire should not be stripped before placing wire into the holes. To use the waterproof splice, a single boundary wire is placed into one of the three holes of the splice. The other single boundary wire is placed into one of the other holes. That leaves one extra hole which is not used. A pair of pliers should be used to press down the top black part of the splice.

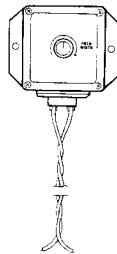
**Connecting the Loop to the Transmitter**

1. Splice the two ends of the twisted wire to each of the two ends of the loop wire.
2. Drill a hole through the exterior wall or window/door sill or run the wire through an existing utility line hole.
3. Connect the twisted wires to the transmitter, either wire to either terminal. (Wire ends must be stripped.)
4. A red indicator light should appear indicating a continuous wire loop. If no light appears, refer to Section 1, Part C.

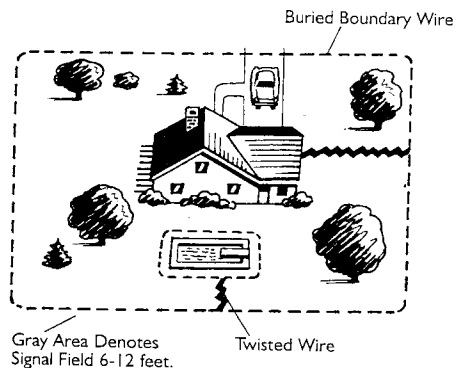
**SECTION 6: THE SIGNAL FIELD**

The width of the signal field is adjusted using the transmitter's Field Width Adjustment Knob. Increasing or decreasing the signal field width does not affect the correction intensity.

To test the signal field, attach the test light to the probes and slowly walk the collar receiver toward the boundary wire. Listen



for the warning tone and watch for the test lamp to light. The wider the signal field, the less chance that a dog can run through the field.



The signal field should extend a minimum of three feet on either side of the wire (creating a 6-foot wide field). An 8-to-12-foot wide field is preferred. This ensures that the dog is properly contained and makes the Run-Through Prevention more effective.

**Note:** If you are using the transmitter with the signal level "jumper" set to LG and cannot turn the signal field down any farther move the "jumper" to SM. If the "jumper" is set to SM and you cannot turn the signal field up any farther, move the "jumper" to LG.

**PART II. OPERATING MODES  
SELECTING AND CHANGING MODES**

By combining containment and bark-control features into one system, the CB-100W provides you with a choice of three operating modes: 1) Containment Only 2) Bark-Control Only and 3) Bark Control and Containment Dual Mode. Each mode is indicated by the light on the collar receiver as follows:

**Containment Only** - Flashing RED light.

**Bark-Control Only** - Flashing GREEN light.

**Dual Mode** - Yellow, then alternately flashing RED and GREEN light.

**OFF** - No light

**Note:** Upon removal from the charger, the receiver will immediately cycle through the bark stimulation and sensitivity level setting controls to allow the user to verify and/or change the bark settings. The receiver will then enter the Containment Only mode, as identified by the flashing RED light.

To change the mode, briefly touch the key-chain magnet to the BLUE paper dot on the receiver. This activates the receiver's internal magnetic switch. Each time you briefly touch the magnet to the BLUE paper dot, the receiver's indicator light will change to show the current Operating Mode.

**OPERATING MODE NOTES**

• If you are unable to produce a flashing light on the receiver, the receiver most likely needs to be charged. See Part I,

Section 2A.

• You can expect 30-45 days on a charge. Charge life is affected by how much time the collar is on, how often the dog tests the containment boundary, how often the dog barks, and how intense the stimulation is.

**PART III. BARK-CONTROL OPERATION**  
**SECTION 1: SETTING THE STIMULATION LEVEL AND SENSITIVITY**

**A. Bark-Control Special Features**

In the Bark-Control operational mode, these special features allow the user to tailor the bark-control operation to the individual requirements of the dog.

**1. Vibration Sensing Probe** - The receiver utilizes one of the stimulation probes to sense the vibrations that occur in the dog's throat area when barking occurs. These vibrations are monitored by sophisticated signal processing software that applies stimulation corrections only when barking occurs. The bark-control function is unaffected by normal dog activities.

**2. Programmable Sensitivity and Stimulation Levels** - The receiver has four user programmable bark sensitivity levels that let you tailor the bark-detection level to your individual dog's requirements. In addition, the receiver has seven user programmable stimulation levels that allow you to set the stimulation level required to control your dog's barking. The sophisticated signal processing software, combined with the programmable sensitivity levels, allows the receiver to be utilized on all sizes and breeds of dogs.

**3. Safety Control** - When the receiver detects a "bark" vibration, a brief correction is administered at the pre-programmed stimulus level. When barking occurs, a safety control quiet period (no barking) of four seconds is required before additional corrections are administered. This feature provides discrimination between intermittent nuisance barking and continuous protection barking.

**B. Setting the Stimulation Level** - The bark-control feature provides a programmable stimulation option that allows you to choose one of seven levels. Level 1 is the mildest; Level 7 is the most intense. We recommend first setting the stimulation at Level 1. The receiver Bark-Control settings are programmed as follows:

1. Briefly touch the magnet to the RED paper dot on the side of the receiver.
2. When the receiver light turns solid RED, pull the magnet away from the receiver.
3. The light will stay on for approximately one second and will then flash RED from 1 to 7 times, identifying the level at which the unit was last set (i.e. one flash for Level 1, two flashes for Level 2). Do not attempt further steps until the light is done flashing.
4. When the light stops flashing, you have three seconds to change the receiver to a new level.
5. To change the level, hold the magnet against the RED paper dot. The light will start flashing up to 7 times.

6. Pull the magnet away after the number of flashes equals the desired stimulation level.

7. After about three seconds, the unit will flash back 1 to 7 times to confirm the level you set.

**C. Setting the Sensitivity** - Immediately after setting the stimulation level, you can choose one of four sensitivity levels. Level 1 is the most sensitive and is recommended for weak or high-pitched barks. Level 4 is the least sensitive and is suggested for dogs with deep, resonating barks. (We recommend first setting the sensitivity at Level 2.) To set the sensitivity:

1. After Step 7 above, the light will turn solid GREEN for approximately 1 second and then will flash GREEN from 1 to 4 times identifying the level at which the receiver was last set.
2. When the light is done flashing, you have three seconds to start changing the receiver to a new level.
3. To change the level, hold the magnet against the RED paper dot. The light will flash GREEN 1 to 4 times.
4. Remove the magnet after the number of flashes equals the desired sensitivity level.
5. After about three seconds, the unit will flash back 1 to 4 times to confirm the sensitivity level.
6. After programming, the light on the receiver blinks to identify the Operating Mode.

**IMPORTANT:** When using the No-Bark collar on a dog for the first time, start at Stimulation Level 1 and Sensitivity Level 2. If your dog does not appear to be reacting to the stimulus, experiment with different combinations of stimulation levels and sensitivity levels. Increase the stimulation by one level each day until you reach a satisfactory response from your dog.

**PART IV. TROUBLESHOOTING AND MAINTENANCE**

**A. If the collar appears to not be working:**

- Adjust the collar fit
- Trim hair or use longer probes
- Recharge the battery
- Adjust stimulation and/or sensitivity level
- Check the Operating Mode of the collar receiver

**B. Maintenance**

The CB-100W system requires very little maintenance. The collar receiver is waterproof and can be immersed in water. To remove dirt, simply wipe with soap and water. Never place the collar in a dishwasher.

The transmitter is not waterproof and needs to be protected from the weather. (See Part I, Section 1A for more transmitter information.)

IF YOU HAVE QUESTIONS ABOUT THE OPERATION OR USE OF YOUR NEW INNOTEK SYSTEM, DO NOT RETURN IT TO YOUR RETAILER.

WE CAN HELP. CALL THE INNOTEK CONTACT CENTER MONDAY - FRIDAY AT 1-800-826-5527.  
Spring/Summer: 8 a.m. to 5 p.m.,  
Central Time; Fall/Winter:  
8 a.m. to 5p.m., Eastern Time.



### WEB SITE INFORMATION

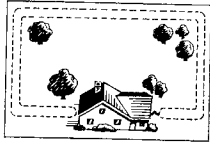
Your complete satisfaction is our goal. If you have questions not answered here, please visit us at:

[www.pet-products.com](http://www.pet-products.com) and  
[www.sportdog.com](http://www.sportdog.com).

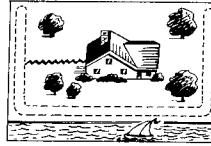
You can also e-mail us at:  
[info@pet-products.com](mailto:info@pet-products.com).

### TRAINING HELP

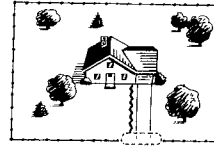
Innotek® is proud to be the exclusive electronic training products sponsor of Triple Crown Dog Academy of greater Austin, TX. For more information on Triple Crown, visit their web site at [www.triplecrowndogs.com](http://www.triplecrowndogs.com).



To allow back door entry with back yard containment.



To keep dog away from a specific area



Fence yard with opening for driveway