Invisible Fence Brand

ICT 801 & ICT 802 Transmitters
R21/R22 v4 Computer Collar® Units
Installation Manual

Invisible Fence ®
BRAND

Invisible Fence BRAND

ICT 801

Invisible Fence BRAND

www.invisiblefence.com
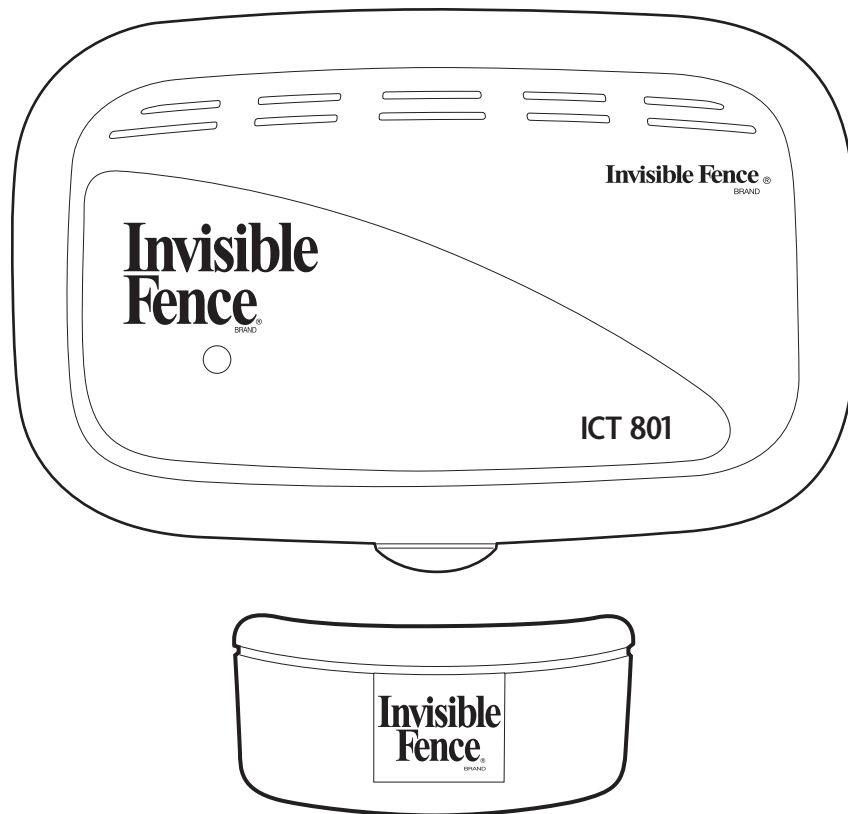
Introduction

This document contains important information regarding the installation and operation of the ICT 801 and ICT 802 Transmitters and the R21/R22 v4 Computer Collar® unit. Prior installation of signal field wire is assumed. Review all instructions before installation and use.

System Information

The ICT 801 and ICT 802 Transmitters are used as part of an Invisible Fence® Brand pet containment system. These transmitters must always be installed in a dry, protected area to ensure they will not be exposed to the elements.

The transmitters are connected to an external signal field wire and send a coded, digital signal along the entire length of wire. The following wire specification should be followed:

	ICT 801 / ICT 802 Up to 3,000 ft.
Feet of twisted pair	150 feet
Wire size	14 AWG
Jacket	PE .045"

The ICT 801 and ICT 802 are programmable to transmit a digital signal either at 7KHz or at 10KHz. The ICT 801 and ICT 802 Transmitters are only compatible with the R21/R22 v4 Computer Collar® unit. All ICT 801 and ICT 802 Transmitters have removable circuit boards that can be replaced if damaged.

Planning the Installation

Install the transmitter in a dry indoor location, near a grounded 110VAC electric outlet your installation should offer easy access to the outdoors. A garage or basement is usually the best location. If you are not sure the intended outlet is grounded, use a 3-wire circuit analyzer or contact an electrician.

Caution: Never install a system or equipment, or service any equipment, during a thunderstorm or electrical storm, or when thunder or lightning is in your area.

Connecting the Signal Field Wire

All Invisible Fence® Brand Pet Containment Systems must be grounded per the National Electrical Code (NEC) to be protected against lightning. ICT 801 and ICT 802 Transmitters must be installed using the LP-4100 (ICT 801) or LP-4200 (ICT 802) Lightning Protection devices in accordance with the NEC and applicable local building codes.

1. Strip approximately ¼ inch (6.3mm) of insulation from each end of the signal field wires (in-ground containment loop). Using your finger, depress the tab of one red connector (marked LOOP) on the Lightning Protector. Insert one stripped end of the signal field wire into the red connector hole. Release the tab. Repeat for the remaining signal field wire. *Note: Insert only one wire per hole.*
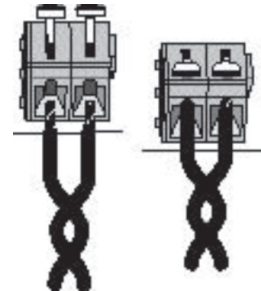
LP-4100   **LP-4200**

2. Next, connect the ICT 801or ICT 802 transmitter to the LP-4100 or LP-4200 with a short length of twisted pair wire. Strip approximately ¼ inch (6.3mm) of insulation from each end of the twisted pair wires. Insert one of the twisted pair transmitter wires into a black connector hole (marked TRANSMITTER) of the LP-4100 or LP-4200 in the same manner as the signal field wires connected in step #1. Repeat for the remaining twisted pair wire. **(Remember —** insert only one wire per hole).
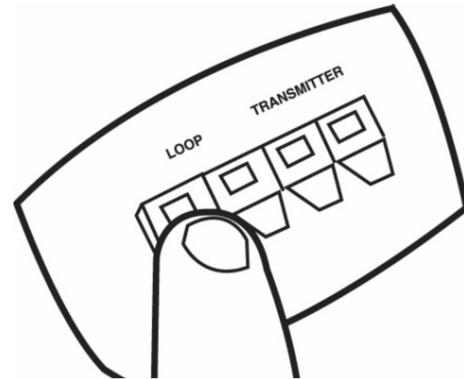
3. Connect the other end (stripped the same way as in step #2) of the twisted pair wires to the transmitter via the signal field connectors. Use your thumb to push back on the white tabs located on top of the signal field wire connectors. While pushing back the tabs, put the end of each wire into each opening of the connectors. Hold the wires steady, and release the tabs.

4. Before plugging in the LP-4100 or LP-4200, make sure the electric outlet is properly grounded. Remove the plastic cover protecting the plug on the LP-4100 or LP-4200 and plug it into a grounded 3-prong household outlet (110VAC) within five feet (5') of where you wish to install the transmitter. When possible, use the center screw that holds the outlet cover plate in place. If this screw is missing or not long enough, use the longer screw provided with the Lightning Protector. *Note: This screw is for mechanical attachment only and does NOT provide electrical ground!*

5. Plug the transmitter AC power adapter into the 3-prong socket in the LP-4100 or LP-4200.

6. Install the transmitter base to the wall using four ¾ inch long (19mm), #8, or #10 pan-head sheet metal screws. Insert the screws through the four mounting holes (shown on page 4) in the base of the transmitter case.

Warning: Transmitter must be installed in with the loop connectors facing down. Failure to follow this instruction may result in foreign material entering your transmitter which may result in damage to your system, bodily injury and/or property damage.

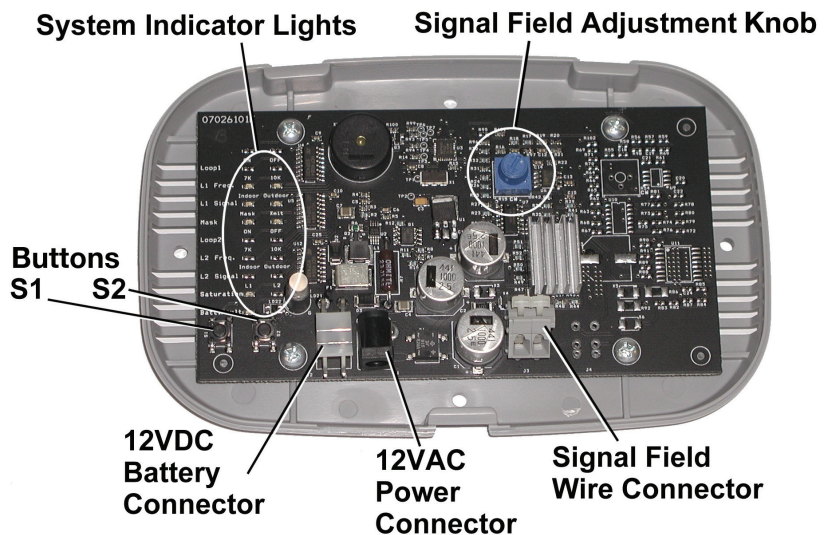*Note: Install zip tie and no user serviceable part label (402-3946) as shown:*
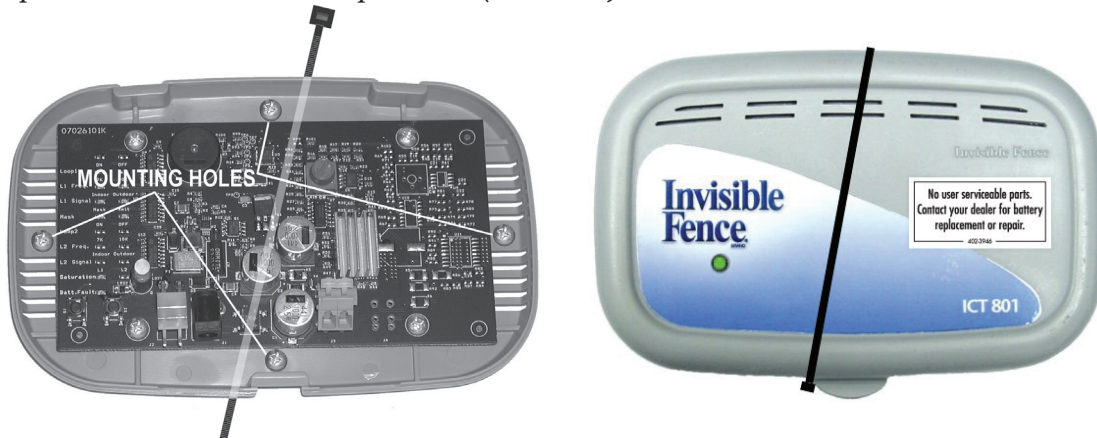
Note: The Invisible Fence® Brand pet containment system and the LP-4100/LP-4200 will function properly in a Ground Fault Circuit Interrupter (GFCI) outlet. In rare cases, lightning strikes or overload fault conditions may cause the GFCI to trip. You must instruct the homeowner to reset the tripped GFCI outlet for the Invisible Fence® Brand pet containment system to function properly.

IMPORTANT: Always use a grounded 3-prong 110VAC outlet with the LP-4100/LP-4200 to ensure maximum lightning surge protection. Please note: Removing the center ground pin from an LP-4100/LP-4200 will void the warranty. This product must always be located in a dry, protected area where it will not be exposed to the elements. For installations with ungrounded, 2-prong 110VAC outlets, refer to Technical Bulletin #0204 – Procedure for Grounding LP-4000 Series Module.

ICT 801 Transmitter

The ICT 801 is a single loop programmable transmitter designed for installations with up to 3,000 feet of signal field wire and up to 150 feet of twisted pair wire. The ICT 801 has one signal field adjustment to increase or decrease the width of the signal field. See page 10 for instructions for setting the signal field width.

System Indicator Lights

Signal Field Adjustment Knob

Buttons S1 S2

12VDC Battery Connector

12VAC Power Connector

Signal Field Wire Connector

User Settings and Functions for ICT 801 Transmitter:

System Indicator Lights

Loop 1: Loop 1 is always functioning on the ICT 801. (No indicator light on the circuit board.)

L1 Freq.: Select either 7K or 10K signal for Loop 1. The default setting is 7K.

L1 Signal: Select either Indoor or Outdoor mode for Loop 1. The default setting is Outdoor.
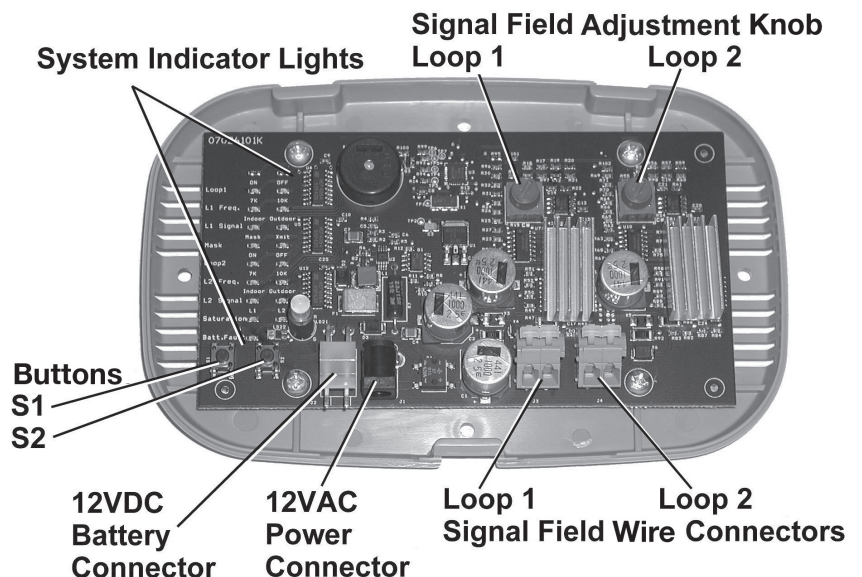
Mask: Select either Mask or Xmit to transmit a mask or boundary signal for Loop 1. The default setting is Xmit.

Saturation: When lit, indicates Loop 1 transmitter output saturation. Loop saturation exists when the signal has reached maximum output level, which is caused by excessive loop size, excessive resistance, or poor connections.

Batt. Fault: When lit, indicates that the 12VDC backup battery is either not installed or not working properly.

ICT 802 Transmitter

The ICT 802 is a dual loop programmable transmitter. Each loop on the ICT 802 can have up to 3,000 feet of loop wire and up to150 feet of twisted pair. Signal width for each loop can be adjusted by using the signal field adjustments for Loop 1 and Loop 2. See page 10 for instructions for setting the signal field width.

System Indicator Lights

Signal Field Adjustment Knob
Loop 1   Loop 2

Buttons
S1
S2

12VDC
Battery
Connector

12VAC
Power
Connector

Loop 1   Loop 2
Signal Field Wire Connectors

User Settings and Functions for ICT 802 Transmitter:

System Indicator Lights

Loop 1: Used to turn Loop 1 LED circuitry ON or OFF. If OFF is selected, all LEDs for Loop 1 will not light.

L1 Freq.: Select either 7K or 10K signal for Loop 1. The default setting is 7K.

L1 Signal: Select either Indoor or Outdoor mode for Loop 1. The default setting is Outdoor.

Mask: Select either Mask or Xmit to transmit a mask or boundary signal for Loop 1. The default setting is Xmit.

Loop 2: Used to turn Loop 2 LED circuitry ON or OFF. If OFF is selected, all LEDs for Loop 2 will not light.

**L2 Freq.:** Select either 7K or 10K signal for Loop 2 if the loop is ON.

L2 Signal: Select either Indoor or Outdoor mode for Loop 2 if the loop is ON.

Saturation: When lit, indicates Loop 1 and/or Loop 2 transmitter output saturation. Loop saturation exists when the signal has reached maximum output level, which is caused by excessive loop size, excessive resistance, or poor connections.

Batt. Fault: When lit, indicates that the 12VDC backup battery is either not installed or not working properly.

IMPORTANT: When using Loop 1 of the ICT 802 transmitter as a Mask, remember to adjust the Mask signal appropriately. Make sure the Mask signal is not radiating further than the actual signal bleed it is masking. To measure the Mask field, turn off the containment loop, change the Mask loop back to transmit mode (Xmit), and measure the signal field with a R21/R22 v4 Computer Collar® unit where the Mask is placed. Change the loop back to Mask mode when finished.

## Typical ICT 801 Installation
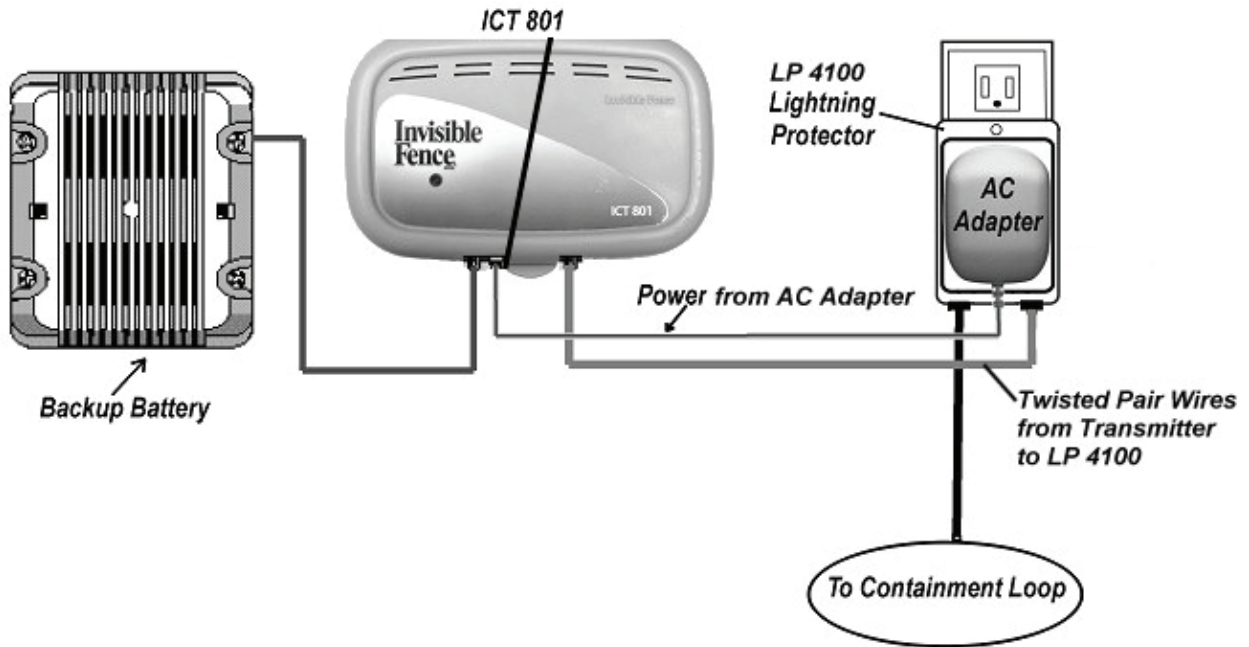
The following requirement applies to installations within the European community:

When using the ICT-801 or the ICT-802 transmitter in the 10KHz transmission mode, the maximum loop area must be no greater than 1,697 square meters.

If larger loop size installations are required, the installer is required to use the 7KHz transmission mode in order to comply with the R&TTE regulations.

Typical ICT 802 Installation
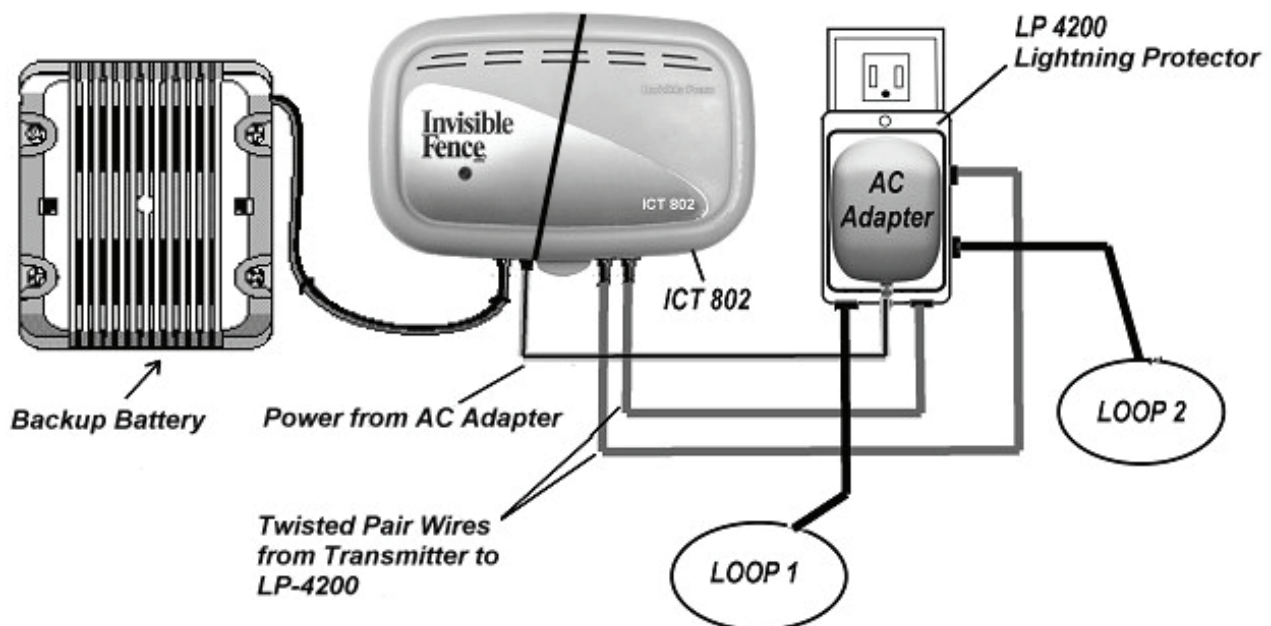
Programming the ICT 801 and ICT 802 Transmitters

On first time power up, the LED system indicator lights will display the following default settings.

Indicator	Default Setting
Loop 1	ON
L1 Freq.	7K
L1 Signal	Outdoor
Mask	Xmit
Loop 2	Off (for 802 model only)

Once the transmitter has been programmed, the settings will remain in the system memory. To program the transmitter:

1. Press and hold the S1 button for approximately 4 seconds until
a. For ICT 801: The L1 Freq. LED begins to blink.
b. For ICT 802: The Loop 1 LED begins to blink.
2. Release the S1 button.
3. Momentarily press and release the S2 button to toggle between each setting option.
4. Press and release the S1 button to move to the next setting.
5. Continue until all choices are selected.
6. The cursor LED will stop blinking approximately ten seconds after the buttons are released, and the transmitter will automatically exit the programming mode.

IMPORTANT: If the transmitter is disconnected from the power source while the system indicator lights are still blinking, the settings will not be saved to system memory.

LED Status Indicator Light

This is the only visible light from outside of the enclosure when the cover is closed.

Audible Alarm: There is an audible alarm for certain alert conditions (See table below). Press and release either the S1 or the S2 button on the circuit board to silence the alarm. The alarm will re-activate on power-up, or when exiting set-up mode (if a failure condition still exists).

LED Status Indicator Light

ICT 800 Series – Status Light and Audible Alarm Troubleshooting			
Status	LED	Indicator	Audible Alert
System OK	GREEN	• Slow green flash • 1 sec. on, 4 secs. off	• None
AC Failure (Only if optional Backup Battery is installed)	RED	• Slow red flash • 1 sec. on, 4 secs. off	• Chirp every 5 secs. (Can be silenced by pressing S1 or S2 button)
Loop wire break or decrease in signal field	RED	• Steady red light	• Constant beeping (Can be silenced by pressing S1 or S2 button)
Defective backup battery	RED	• Steady red light	• Chirp every 5 secs. (Can be silenced by pressing S1 or S2 button)

Primary Power

Primary power to the unit shall be provided by:
ICT 801 Transmitter: AC Adapter Model 04-100-0020-01 (Small transformer)
ICT 802 Transmitter: AC Adapter Model 04-100-0018-01 (Large transformer)

Backup Battery Power

The ICT 801 and ICT 802 Transmitters continue to function in the event of a power outage when connected to a fully charged backup battery system. A fully charged 12VDC battery with a 5.0Ah (Amp hours) rating provides enough power to the system for approximately 10 hours with the signal field set to the maximum width. Conversely, the narrower the signal field is set, the longer the battery will continue to power the system.

The ICT 801 and ICT 802 Transmitters are designed so the battery backup system is not necessary for normal operation. If a backup battery is not installed, the Batt. Fault system indicator LED on the transmitter circuit board will be ON.

Installing a Backup Battery

If the system will have a backup battery (10-090-0004-01), use an external battery box (06-900-0207-01)
to hold the battery. Mount the battery box near the transmitter on the same vertical surface that the transmitter is on.

1. Hold the battery box on the wall where you are going to mount it. Use the box as a template and mark the position of the 4 screw holes on the wall. Drill 4 small pilot holes in the wall where the screws will go. Insert 4 plastic screw anchors if mounting to drywall.
2. Holding the battery box with the open back of the box toward you, lace a 12 inch (30.5cm) zip tie around both of the posts on the inside vertical corners in the front of the battery box. Run the tie around the inside of the box to form a "U". The "U" turn should be behind the front of the box and the legs of the "U" should be pointing out toward you.
3. Attach the wires to the poles on the battery.
   CAUTION: DO NOT mix up the RED and BLACK wires when you connect them to the battery. One Red wire, the positive (+) lead, and one Black wire, the negative (-) lead, are used to help eliminate confusion. Connect the spade quick-connect on the RED wire to the positive (+) terminal on the battery. Connect the spade quick-connect on the BLACK wire to the negative (-) battery terminal.
4. Put the battery in the box and secure it by pulling the zip tie tight around it.
5. Align the battery box with the battery over the pilot holes in the wall taking care that the wires from the battery are in one of the exit notches on the back edges of the box. Fasten the box to the wall with four, ¾ inch, #10 (4.8x19mm) pan-head sheet metal screws.
   Note: Install zip tie and no user serviceable part label (402-3946) as shown.

IMPORTANT: The recommended battery has a limited shelf life and should be replaced every five years. The approved 5.0Ah battery (Model 10-090-0004-01) will take up to 50 hours to charge to full power.

CAUTION: Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.

Setting the Signal Field Width

The signal field is what activates the R21/R22 v4 Computer Collar® unit. The edge of the signal field can be set to various distances from the signal field wire. The distance from the wire loop to the edge of the signal field is called the signal field width.

There is one signal field adjustment knob on the ICT 801 transmitter and two signal field adjustment knobs on the ICT 802 transmitter. See page 5 or 6 as appropriate for location of signal field adjustment knobs. Turning the signal field adjustment knob clockwise increases the signal field width. Conversely, turning it counter-clockwise decreases the signal field width.

IMPORTANT: These adjustments do not change the correction level of the Invisible Fence® Brand R21/R22 v4 Computer Collar® unit; it only changes the width of the signal field.

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

INVISIBLE FENCE® BRAND
TITANIUM COMPUTER
COLLAR® UNIT

SIGNAL FIELD WIDTH
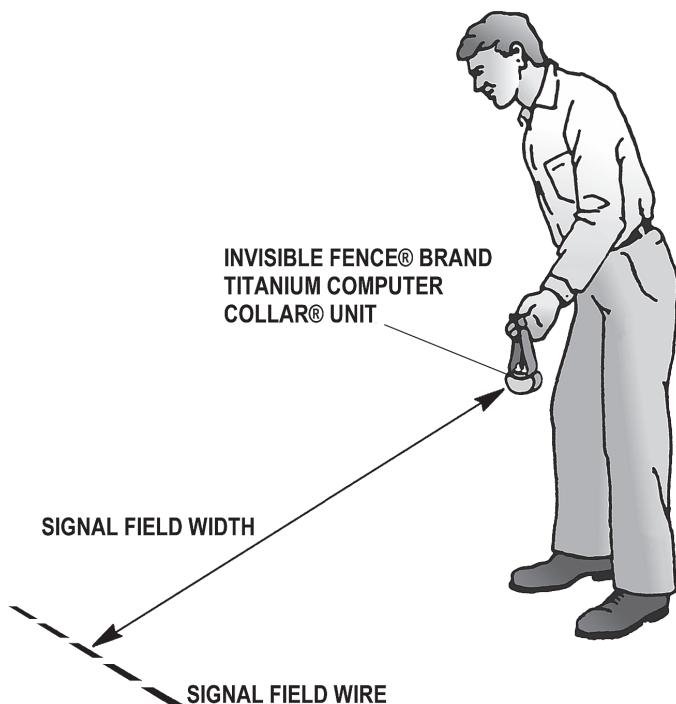
SIGNAL FIELD WIRE

1. Hold the Invisible Fence® Brand Computer Collar® unit so it is parallel to the signal field wire.

2. Hold the collar so it is about the same height and at the same angle as it will be when the pet is wearing it.

3. Walk slowly toward the signal field wire. The unit will activate when you reach the edge of the signal field. Do NOT touch the correction posts at this time!

IMPORTANT: Invisible Fence® Brand R21/R22 v4 Computer Collar® units have a fail-safe mechanism. Should the pet become caught in the signal field, the Computer Collar® unit goes through three cycles of 10 seconds ON, 10 seconds OFF, and then shut down. The collar will not reactivate until it is completely removed from the signal field, and then brought back into it.

Setting the Break-Alert® Detection Level:

The Break Alert alarm can be set to activate when the signal field width is reduced by 25% or more of the set signal field width.
Read the entire procedure before performing. Only the loops turned on will be programmed.

**Option #1:** To set the Break Alert to activate when a 25% reduction in set signal field width occurs:
1. Set the signal field width for desired system operation.
2. If battery backup is being used, remove 12VDC battery power wire harness from transmitter connector J2 (see picture below).
3. Remove 12VAC power from transmitter connector J1.
4. Press and hold S2 button while reconnecting 12VAC power back to transmitter connector J1.
5. Continue holding S2 button for approximately five more seconds.
6. Release S2 button.
7. Break Alert levels are now set. Setting will remain in memory even after power is removed.
8. Reconnect battery backup wire harness to transmitter connector J2, if applicable.

Option #2: To set the Break Alert to activate at more than a 25% reduction in set signal field width:
1. Set the initial signal field width to the desired operational signal field width. Note the position of the indicator on the signal field adjustment knob.
2. Now adjust the signal field width to less than the desired operational signal field width.
3. Complete steps 2 – 6 under Option #1.
4. Adjust the signal field width to the desired operational field width.
5. Break Alert levels are now set. Setting will remain in memory even after power is removed.

Option #3: To set the Break Alert level back to the default settings (less than 1 foot).
1. Set the signal field width to the lowest setting (turn signal field adjustment all the way counterclockwise).
2. Complete steps 2 – 6 under Option #1
3. Set the signal field width to the desired operational field width.
4. Break Alert levels are now set. Setting will remain in memory even after power is removed.

Saturation LED's L1 & L2

S2

J2 Battery Back-up   J1 12V AC Power
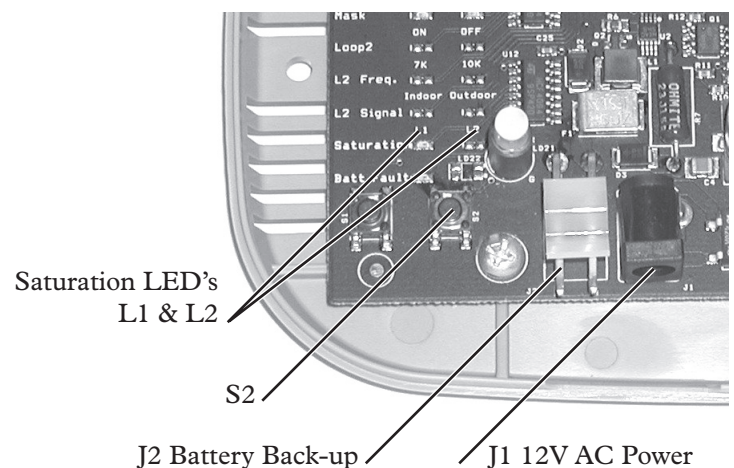
IMPORTANT: During a wire break, the alarm sounds and the Saturation LED L1 and/or L2 will light to notify which loop has the break. The alarm will also sound if the signal field adjustment setting is below the programmed Break Alert level.

R21/R22 v4 Computer Collar® Unit

Invisible Fence® Brand Computer Collar® units are microprocessor-controlled units powered by a Power Cap® unit.

Correction Post Covers

Correction Posts

Retaining Strip

Collar Strap

Titanium Computer Collar® Unit

ONLY use the post tightening tool to tighten the correction posts. Use of other tools will void the warranty.

DO NOT secure the correction posts in the Computer Collar® unit with any kind of glue or adhesive.

Post Tightening Tool

Fitting the Invisible Fence® Brand Computer Collar® Unit:

To work properly, the correction posts on the Invisible Fence® Brand Computer Collar® unit must touch the pet's skin.

1. Position the collar strap unit high on the pet's neck with the Computer Collar® unit under its lower jaw.
2. To avoid having a collar that is too tight on a thick-haired pet, thin some hair away to make skin contact with the correction posts. DO NOT shave the pet's neck.
3. Tighten the strap of the Invisible Fence® Brand Computer Collar® unit appropriately. Adjust the collar so it is snug enough to slide one finger between the correction post and the pet's skin.
4. The fit of the Invisible Fence® Brand Computer Collar® unit should be adjusted as necessary as the pet's coat, weight, and age change. The pet's coat may change from season to season.

Computer Collar® unit

Slip or Wood-house Collar, is only used during training

5. Allow the pet to become accustomed to its new Invisible Fence® Brand Computer Collar® unit. The collar should be removed each night during the first month of training and regularly thereafter. This ensures proper fit and avoids the possibility of skin irritation from the correction posts.
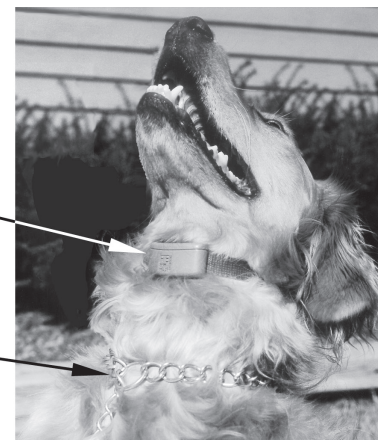
Invisible Fence® Brand R21/R22 v4 Computer Collar® Unit
Power Cap® Unit Status:

The ICT 800 Series Transmitters utilize the R21/R22 v4 Computer Collar® unit. This Computer Collar® unit monitors Power Cap® unit status and will alert the owner when the Power Cap® unit needs to be replaced. A Power Cap® unit test is performed each time it is inserted into the Computer Collar® unit.

LED Staus Indicator
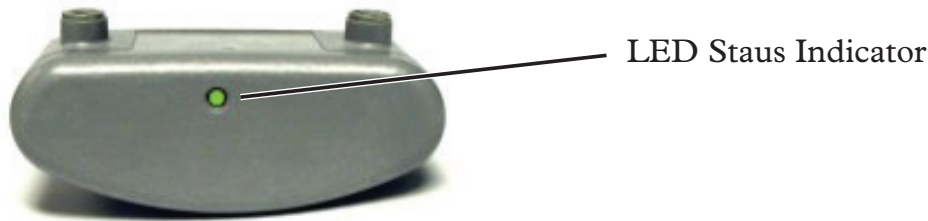
When the Power Cap® unit is inserted, the LED Status Indicator shows a GREEN light for up to 1 second while testing. After that, you will see 4 blinks in one of the following colors, indicating the Power Cap® unit status:
• GREEN = Power Cap® unit is good.
• YELLOW (4.1 & 4.2 only) = The Power Cap® unit is low. Replace as soon as possible.
• RED = The Power Cap® unit is dead. Replace immediately. Do not rely on the Invisible Fence® Brand pet containment system to contain the pet until the Power Cap® unit is replaced.

The owner must become familiar with the Power Cap® unit Status Indicators.

| R21/R22 v4 Computer Collar® Unit Status Light Indicator		
LED Indicator	Condition	Action Required
No Light	Power Cap® unit is good.	None
Flashing Yellow (4.1 & 4.2 only)	Power Cap® unit is low.	Replace Power Cap® unit as soon as possible
Flashing Red	Power Cap® unit is dead.	Replace Power Cap® unit immediately. DO NOT RELY ON THE INVISIBLE FENCE® BRAND PET CONTAINMENT SYSTEM TO CONTAIN THE PET UNTIL THE POWER CAP® UNIT IS REPLACED.

For detailed instructions on how to program the R21/R22 v4 Computer Collar® unit, please refer to the CF-2200 Programming Tool Manual.

Changing the Power Cap® Unit:

1. Use a small, thin coin to remove the Power Cap® unit from the R21/R22 v4 Computer Collar® unit. Insert the coin in the slot on top of the Power Cap® unit and turn it counter-clockwise. Do not push down while turning. The Power Cap® unit will rotate up and out of the R21/R22 v4 Computer Collar® unit's battery chamber.

2. Line up the lugs on each side of the bottom of the new Power Cap® unit with the grooves in the sides of the R21/R22 v4 Computer Collar® unit's battery chamber. Make sure the metal tabs on the bottom of the Power Cap® unit are not bent.

3. Place the Power Cap® unit into the chamber while gently, but firmly, turning it clockwise with your fingers.

4. Use a small, thin coin in the slot on top of the Power Cap® unit to turn it clockwise until the slot on the top of the Power Cap® unit is lined up with the two small raised tabs on the bottom of the receiver. Do not over tighten by turning the slot past the tabs on the receiver.

Alignment Lug (one on each side)
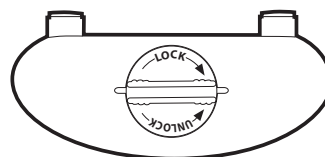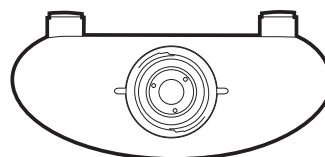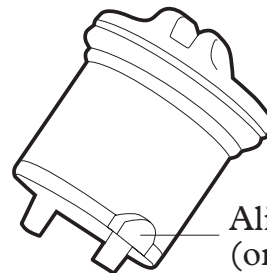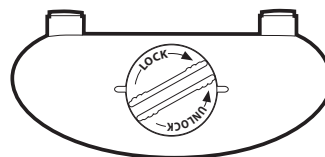
On average, the Power Cap® unit should be changed every 3 months. Low temperatures, the number of times the pet challenges the system boundary, and improper collar fit can all reduce Power Cap® unit life.

Warning: The use of any power source other than an Invisible Fence® Brand Power Cap® unit will cause the receiver to operate erratically or fail. Failure of the receiver due to the use of an unauthorized power source will result in denial of a warranty claim. The use of unnecessary force may damage the case and render the Power Cap® unit inoperable. NEVER open a Power Cap® unit, dispose of it in fire, recharge it, heat it above 212°F (100°C), or expose its contents to water. Doing so can cause leakage or explosion and may lead to personal injury.

Important Warnings

Your Invisible Fence® Brand Dealer has professionally installed your pet containment system and ensured it is working properly. You will want to perform periodic maintenance checks to make sure the system is properly functioning for your pet's safe containment.

Invisible Fence® Brand pet containment systems have contained over two million pets. However, there are some precautions you should take.

Warning 1:
Not every pet can be trained to avoid the established boundary. Sometimes even a properly trained pet may cross the boundary. Therefore, Invisible Fence®, Inc., as well as Invisible Fence® Distributors and Dealers cannot guarantee the system will, in all cases, keep a customer's pet within the established boundary. Accordingly, if a customer has reason to believe that their pet may pose a danger to others, or harm itself, the customer should not rely solely upon the Invisible Fence® Brand pet containment system to keep the pet from crossing the boundary.

Warning 2:
The control panel component of the system includes visual and audible signals to warn of a system malfunction. The control panel should be installed where such signals may be easily seen and heard. If the control panel is installed in an enclosed box, or in a place not readily accessible to the customer, the customer will not benefit from the system's warning functions, for which Invisible Fence®, Inc., as well as Invisible Fence® Distributors and Dealers assume no responsibility.

⌧ Battery Disposal

Separate collection of spent batteries is required in many regions; check the regulations in your area before discarding spent batteries. The Computer Collar® unit operates on one (1) Lithium (Li-MnO2) battery with a 3 Volt, 160 mAH capacity, replace only with equivalent battery that can be obtained from your Invisible Fence® Brand Dealer. The Transmitter operates on one (1) Valve Regulated Lead Acid Battery with a 12 Volt, 5AH capacity.
Computer Collar® unit: Please see page 14 of your manual for instructions on how to remove the battery pack for separate disposal.
Transmitter: At the end of product life of the Transmitter, please contact your Invisible Fence® Brand Dealer to receive instructions on proper disposal of the backup battery (if installed). Please do not dispose of the unit in household or municipal waste.

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

⌧ Important Recycling Advice

Please respect the Waste Electrical and Electronic Equipment regulations in your country. This equipment must be recycled. If you no longer require this equipment, do not place it in the normal municipal waste system. Please return it to where it was purchased in order that it can be placed in our recycling system. If this is not possible, please contact your Invisible Fence® Brand Dealer.

Compliance
US and Canada

FCC ID: KZ3-050261
IC: 2430A-050261

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.

CAUTION: Modification or changes to this equipment not expressly approved by Radio Systems® may void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a specific installation. If interference does occur to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
• Reorient or relocate the receiving antenna.
• Increase the separation between the equipment and the receiver.
• Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
• Consult customer care, the dealer, or an experienced radio/TV technician for help.

This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

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

European Union

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

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