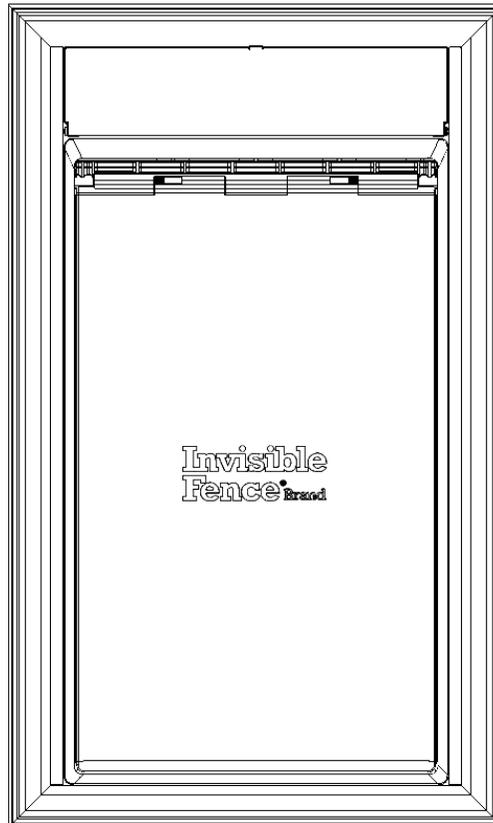# Invisible Fence® Brand Doorman™ Electronic Pet Door

Installation Manual

Model Numbers: RIG00-13211

Please read this entire guide before operating.

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.

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

⚠WARNING

- When children are present in the home, it is important to consider the pet door during child proofing activities. The pet door may be misused by a child resulting in the child accessing potential hazards that may be on the other side of the pet door.

- Purchasers/Homeowners with swimming pools should ensure that the pet door is monitored at all times and that the swimming pool has adequate barriers to entry. If a new hazard is created inside or outside of your home, which may be accessed through the pet door, Invisible Fence® Brand recommends that you properly guard access to the hazard or remove the pet door.

- The closing panel or lock, if applicable, is provided for aesthetic and energy efficiency purposes and is not intended as a security device. Invisible Fence® Brand will not be liable for unintended use and the purchaser of this product accepts full responsibility for oversight of the opening it creates.

⚠CAUTION

- The user, prior to installation, must become familiar with all building codes that may affect the installation of the pet door and determine, along with a licensed contractor, its suitability in a given installation.

- This pet door is not a fire door. It is important for the owner and contractor to consider any risks that may be present inside or outside of the pet door, and any risks that may be created by subsequent changes to your property and how they may relate to the existence and use, including misuse of the pet door.

NOTICE

- Keep these instructions with important papers; be sure to transfer these instructions to the new owner of the property.

- Unauthorized changes or modifications may void the user's authority to operate this equipment, and void the warranty.

1-Year Limited Warranty - The Invisible Fence® Brand Doorman™ is warranted against manufacture defects for a period of one (1) year from the date of original purchase at retail. Proof of purchase may be required. Does not include gross neglect or abuse. Which includes but is not limited to dog chews, pet scratches, and damage caused by improper use.

Table of Contents

How the Invisible Fence® Brand Doorman™ Pet Door Works

Using radio-frequency technology, the Invisible Fence® Brand Doorman™ pet door reads the Computer Collar® SmartLink™ signal and triggers the flap to unlock so the pet(s) can come and go as they please. When the door no longer senses the pets' Computer Collar®; the flap automatically locks back into place.

Invisible Fence® Brand Doorman™ - Controls and Features

1.0 Features

The Invisible Fence® Brand Doorman™ contains a variety of features and abilities that can be controlled and configured by users. By utilizing the pet door's *Input* and *Output* Control capabilities a user may:

- Set the Clock
- Learn SmartLink™ II Code(s)
- Display SmartLink™ II Slots in Use
- Create a Schedule
- Turn Scheduling Function On or Off
- Set Signal Activation Range Function
- Switch between Locked, Unlocked and Automatic modes
- Change frequencies settings between 7K and 10K
- Lock Pushbuttons to prevent tampering/adjustments
- View Low Battery Indicator.

1.1 Input & Output Controls

Input:

Pushbuttons:
There are 6 pushbutton switches available for users to control the various functions and settings of the door. The buttons are shown below in *Figure 1*.
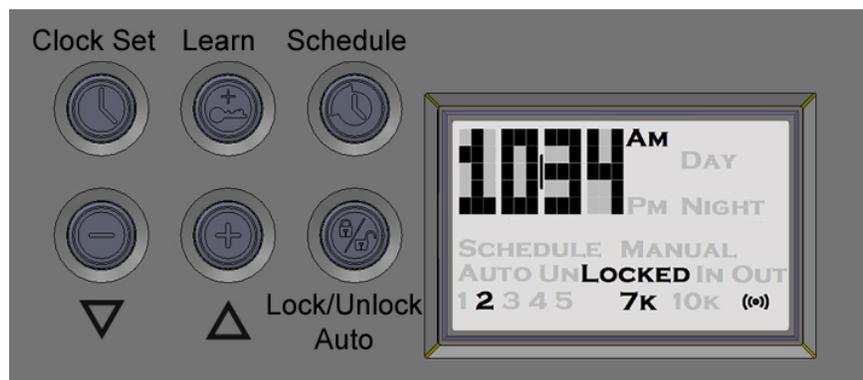

Figure 1: Pushbuttons for Controlling Door Functionality

Going from left-to-right, top-to-bottom, the buttons are called

    (1) *Clock Set*
    (2) *Learn*
    (3) *Schedule*
    (4) *(–) Down*
    (5) *(+)Up*
    (6) *Lock/Unlock/Auto*

Wireless (RF):
The pet door has the ability to receive wireless radio frequency (RF) signals. Some functions, such as the **Learn** function, utilizes wireless signals to read new transmit codes associated with the Computer Collar®.

Output:

LCD Display:
The *LCD Display* is used to show various settings and information about the door. It is comprised of various LCD segments that can be activated or deactivated. These fields are black when turned-on and can't be seen when turned-off. *Figure 2* on the next page shows all possible segments that may be on at any given time.
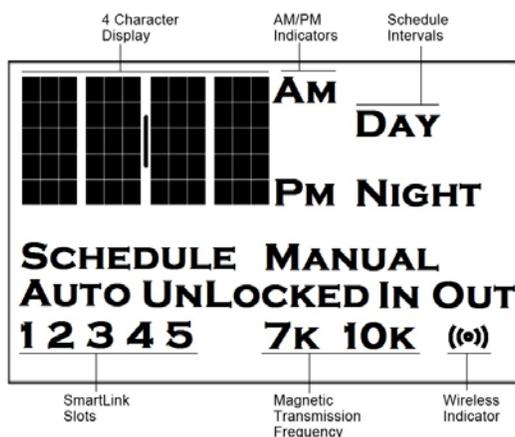

Figure 2: LCD Display upon power-up, all segments that are used will be turned-on for 1 second and then turned-off for 0.5 second.

Clock:
The clock is used for the schedule function. Upon powering-up the pet door, the LCD clock defaults to 12:00 AM.

SmartLink™ II
SmartLink™ II is the code transmitted by the Computer Collar® that communicates with the Invisible Fence® Brand Doorman™. The Invisible Fence® Brand Doorman™ is capable of learning five unique SmartLink™ II codes. The first empty slot (number 1 of 5) will be used to store the SmartLink™ II code. If all slots are full and a new code is stored, the new code will overwrite the code currently stored in the first slot. If a duplicate SmartLink™ II code is received, its slot is automatically selected and no additional empty slots are utilized.

For houses with more than 5 pets you can program multiple Computer Collar® units to the same code. Units with the same code will be stored in the same slot. To change the code you need to utilize the CF-3000 Dealer Tool.

Showing SmartLink™ II Slots in Use
When the *Learn* button is pressed and released, all SmartLink™ II slots that contain an authorized code will be displayed for a period of one second.

Schedule

The 24-hour day can be divided into two non-overlapping intervals, each with its own start time and pet door setting (Auto/Locked/Unlocked). The Day and Night segments on the LCD display are used to distinguish the intervals. Both a Day and Night schedule must be programmed for the Doorman™ to operate in schedule modes. See '*Switch between Locked, Unlocked and Automatic Modes'* for more details on the door modes. When Scheduling is turned on and an interval's start time arrives, the pet door will make the transition to the applicable pet door mode specified for that interval.

Range

The range determines the distance that a Computer Collar® is able to communicate with the Doorman™. There are five range settings that are available.

Modes

Pressing the *Lock/Unlock/Auto* button will cause the pet door to transition to one of the three available modes:

Auto

When the pet door is placed in Auto mode, it is automatically locked and will only unlock when a programmed Computer Collar® comes within proximity of the pet door. The pet door will relock automatically when all programmed collars are out of range for 10 seconds.

Locked

When the pet door is set to Locked mode, the pet door will lock and remain in that mode until the next schedule interval occurs (if Schedule is on) or when the *Lock/Unlock/Auto* button is pressed. When this mode is selected a programmed Computer Collar® has no effect on the pet door.

Unlocked

When the pet door is set to Unlocked mode, the pet door will unlock and remain in that mode until the next schedule interval occurs (if Schedule is on) or when the *Lock/Unlock/Auto* button is pressed. When this mode is selected a programmed Computer Collar® has no effect on the pet door.

If the Schedule mode is active when the *Lock/Unlock/Auto* button is pressed, the current schedule interval's pet door mode is overridden. The mode selected by the pressing of the Lock/Unlock/Auto button takes precedence over the scheduled mode. When the start time of the next schedule interval is reached, the original scheduled mode will be reinstated.

Each time the *Lock/Unlock/Auto* button is pressed, the display advances to the next mode, but does not physically change the state of the pet door to that specific mode. Only when the *Learn* button is pressed or after no button is pressed for 20 seconds does the pet door set to the specific selected mode.

If the pet door fails to set to the selected mode there are 3 possible reasons why the pet door may fail to establish the connection:
- High door motor current (motor turning is being hindered in some way)
- Pet door timeout (it took more than 18 seconds to transition to the specified mode)
- Pet door jams (the door is unable to close, usually caused by an obstruction)

If the connection fails to occur, the LCD display will display the error and the pet door mode will show the actual state of the door instead of the specified mode. For example, if the *Lock/Unlock/Auto* is pressed to change the door from unlocked to locked, and a jam occurs, the door will indicate that a jam has occurred and remain unlocked. NOTE: When the door detects that the door is unable to travel freely while closing, it will re-open and attempt to close again. A total of three attempts will be made to clear the problem before a jam is deemed to have occurred and noted on the LCD display.

Disable Keypad Function
The Disable keypad function allows the user to disable the keypad. This will help prevent unintended programming changes being made to the Doorman™.

A one second tone will sound indicating the change has occurred and a message will scroll across the display when the pushbuttons have been disabled reading as, "Keypad Locked". If any of the keys are pressed while the keypad is locked, a "Keypad Locked" message will scroll across the LCD display.

Low Battery Indication
The battery voltage is consistently measured once every 4 hours. If the reading is below 4.4 Volts each of the times it is checked within a 24-hour period, the Low Battery alarm will activate. The pet door will beep and display "LOW BATT" on the LCD display once every 20 seconds. The audible alarm can be disabled by pressing any of the keypad buttons. If the audible alarm is disabled, the "LOW BATT" message will appear on the LCD screen every 2 seconds.

2.0 Set Up

A. Place Batteries in the Doorman™
1. Open the control panel door
2. With a Phillips screwdriver, remove the battery compartment cover screw
3. Remove the battery compartment cover
4. Refer to the inside of the battery compartment cover for the proper orientation of the four C-Cell batteries
5. Replace the battery compartment cover and reinstall the screw
6. When the batteries are placed in the Invisible Fence® Brand Doorman™ the LCD will illuminate for 1 second and turn off for 0.5 second.

NOTE: The door must be in the upright position for the flap to center properly and operate correctly.

B. Program Computer Collar
1. Use CF-3000 to configure Computer Collar®
2. Select SmartLink II (SLII)
3. Select Frequency (7K/10K)

C. Program Doorman™ (see below for details)
1. Set Clock
2. Set Range
3. Select Mode (Automatic, Locked, Unlocked)
4. Select 7K/10K (must be same as Computer Collar®)
5. Synchronize Doorman™ and Computer Collar®
6. Set Schedule if desired

2.1 Programming the Doorman™

2.1.1 To Set the Clock:
- Hold *Clock Set* button until hours blink.
- Press **+** or **-** buttons to adjust hours. Continue holding down to roll over from AM to PM.
- Press *Clock Set* button to change between hours and minutes.
- Press **+** *or* **-** buttons to adjust minutes.
- When correct time is displayed press *Learn* button or wait 30 seconds to save changes.
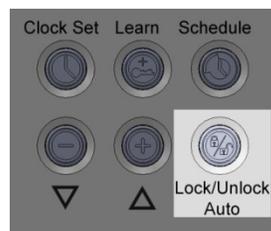
2.1.2 To Set the Range:

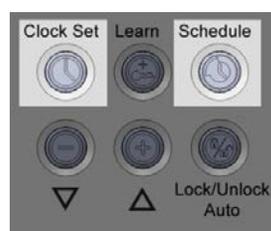- Press *+ or -* buttons to adjust the activation range from 1-5.
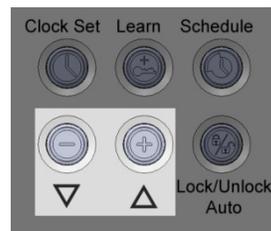
2.1.3 To Select Mode:

- Press *Lock/Unlock/Auto* until desired mode is present.

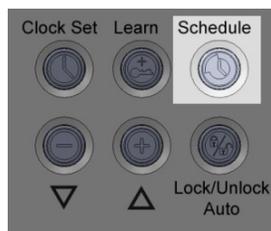## 2.1.4 To Set Frequencies (7K and 10K):

- Press and hold the *Clock Set* and *Schedule* buttons simultaneously and hold for 2 seconds, the frequency of the Magnetic Transmission mode will immediately change between 7 kHz and 10 kHz.


2.1.5 Schedule

On / Off
- Press and release *Schedule* button to enable or disable schedule mode.

**To Set the Schedule:**
NOTE: Schedule must be set for both DAY and Night.

- Hold *Schedule* button until *Schedule* blinks.

- Press *Schedule* button to select the schedule period (day or night)

- Press *+ or -* buttons to adjust the selected period's start time.

- Press *Lock/Unlock/Auto* button to select the period's door mode.

- Press *Learn* button or wait 30 seconds to save changes.
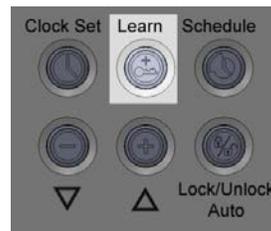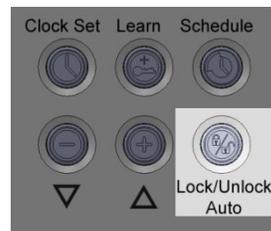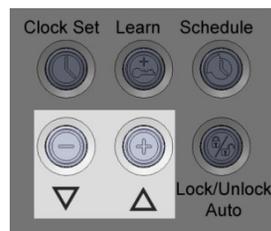
2.1.6 To Synchronize Doorman™ and Computer Collar®: (Two Options)

- Press and hold *Learn* button for 2 seconds
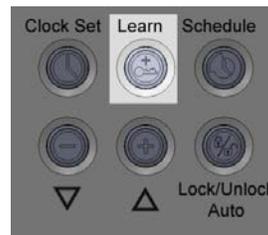
Option I
- Bring the Computer Collar® within proximity to the pet door.
- The + sign will appear along with the two digit SmartLink™ II code when the code is received.
- Repeat process for all SmartLink II codes.

Option II
- Press the *Down* and *Up* buttons to manually set the SmartLink™ II code that is stored in the selected slot. Option (2) is useful in situations where the SmartLink™ II code of a Computer Collar® is known beforehand.
- Repeat process for all SmartLink™ II codes.
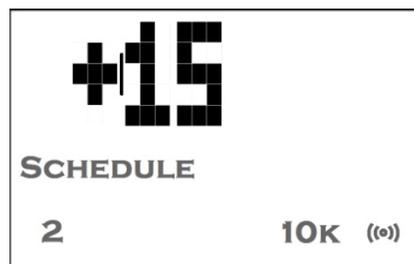
- After all applicable SmartLink™ II codes have been learned, the *Schedule* button can be pressed to save the changes.

2.1.7 Disable and Enable the Pushbuttons

- Press the *Down* and *Up* buttons simultaneously and hold for at least 2 seconds to disable the key board.
- Repeating the process will enable the keypad and return it to an active state.
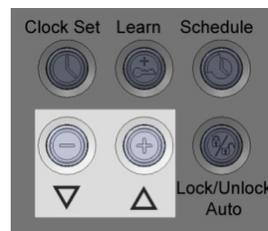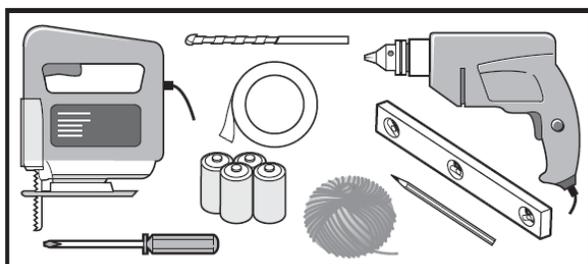
3.0 Installation Instructions

IMPORTANT: Read through <u>all</u> instructions before beginning installation.

Kit Includes

- Interior frame
- Pet Door with flap
- Installation Template
- Exterior frame
- Mounting Screws
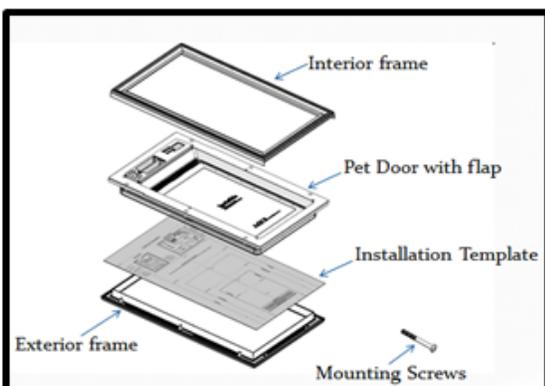
Tools Needed

Description of tools
- Jigsaw
- 3/8" & 1/2" Drill Bit
- 7/8" Step Drill Bit – Not pictured
- Masking Tape
- Drill
- Level
- Phillips Screwdriver
- 4 C-Cell Batteries
- Pencil

Optional Tools
- Hammer
- Slotted
- Screwdriver
- Tape measure
- Pliers
- Caulk

Preparing The DoorMan™

DO NOT PROCEED WITH CUT-OUT OR INSTALLATION UNTIL YOU HAVE CONFIRMED THAT THE DOORMAN™ FUNCTIONS PROPERLY AT THIS LOCATION.

Step 1: Determine Pet Door Location
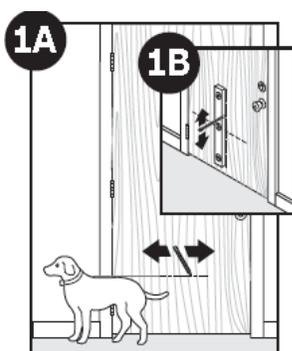
NOTE: When applying the template there should be a minimum of 3" (7.6 cm) between the bottom and sides of the door and the outer edge of the template to maintain the structural integrity of the door.

1a.
Measure and mark your pet's shoulder height on the door.

1b. Determine location for the pet door. Draw a vertical center line through the shoulder height line using a level.

NOTE: If homeowner's door or other application is not level, the pet door must be marked level to swing properly. To do this, ensure the template is applied level.

Step 2: Prepare the Door

NOTE: It is recommended to remove the door from the hinges to install the pet door, however, depending on your skill level, the pet door can be installed with the door hanging.

2a. Remove the door from hinges.

2b. Place on level saw horses and pad to protect the door
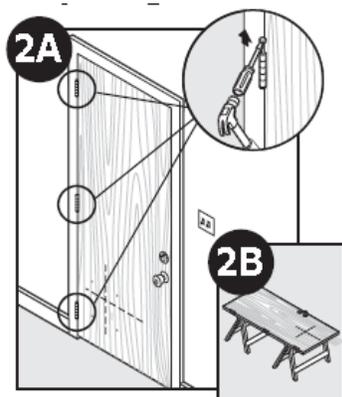
2c. Match the marked lines on the door with the shoulder and center lines on the template. Tape the template in place
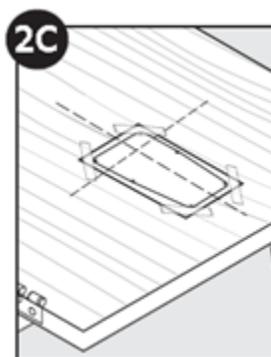
Helpful Tip: Clamp or weigh down the door to prevent it from moving.

Step 3: Cut Pet Door Opening

NOTE: Ensure there is nothing underneath the door where you will be drilling the holes or cutting out the opening.

3a. Drill 1/2" holes in the inside corners and sides of template. These will be the pilot holes for the saw blade. Use a 3/8" drill bit to drill the mounting holes. Make sure that the drill is level to ensure the holes line up on the interior and exterior of door. You will need to enlarge the mounting holes on the interior side with a 7/8" step bit to ensure that the mounting post can be inserted. Remove template from door.

Helpful Tip 3a: Use both hands to hold drill steady and straight at a 90° angle.

3b. Beginning in one of the pilot holes, cut along the template lines. You may need to recut to square the opening. This is necessary for the pet door frame to fit correctly.
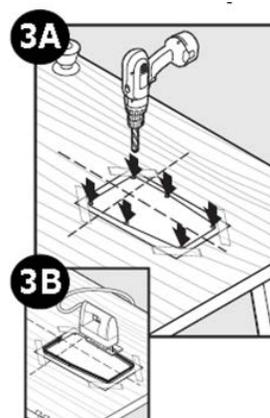
Helpful Tip 3b: Use the appropriate saw blade according to door material. Ensure that the blades are sharp and straight. When cutting, use both hands to hold the saw slow, steady and straight at a 90° angle. This will prevent the blade from cutting unevenly between interior and exterior areas of door.

Step 4: Install the Doorman™ Pet Door

4a. Check fit by placing the interior frame (frame with the control panel) in the pet door opening and insert the mounting post into the mounting holes. Repeat with the external frame. If frames do not fit inside the opening, recut to square the opening before proceeding with installation.

4b. Re-hang door and place interior frame on the door by inserting the mounting post in the mounting holes. Ensure that the interior frame is flush with the door. Place exterior frame by repeating Step 4a. Ensure the mounting post on interior and exterior frames align.

Step 5: Insert Screws

5a Thread mounting screws through interior frame and align with exterior frame. Tighten with screwdriver. **DO NOT OVERTIGHTEN.**

Helpful Tip:
-   **Doors less than 1 ¾" thick will require the screws to be shortened to allow a proper installation. Ensure you have the necessary tools to make adjustments.**
-   **If using an electric screwdriver or drill, set on low torque.**

Step 6: Apply Trim

6a. Place interior trim on the pet door by aligning the trim slots with the grooves on the frame. Slide trim down until the top is flush with the top of the pet door.

NOTE: The Invisible Fence® Brand Doorman™ is designed with an electric motor to release and unlock the pet door flap when a SmartLink™ II code is present and detected. Do not allow your pet to run or charge through the Invisible Fence® Brand Doorman™

Replacing Pet Door Flap

Remove the Doorman™ flap by sliding the two spring tabs, located at the top of the pet door flap, toward the center until the locking pins disengage. Once the locking pins are disengaged carefully push the flap to remove from the frame.

Reinstall the Doorman™ flap by inserting one of the locking pins into the mounting bracket. Slide the adjacent spring tab until locking pin is flush with flap edge. Carefully insert the flap into the frame aligning the locking pin into the mounting bracket.

Notice: It is recommended to install the flap with the spring tabs on the same side as the control panel to limit access from the exterior of the house.

3.1 Pet Training

This manual is a reference for Invisible Fence® Brand technicians and trainers to use when training pets to the Invisible Fence® Brand Doorman™ pet door. All pets are unique but the principals in this manual will apply to most pets you will encounter.

1) When starting out, find out whether the pet has been previously trained to use a pet door or if he has had any training using electronic stimulation products as this will affect the training.
2) It is best to do the training with two people, one person on each side of the door.
3) Lickety Stik™ liquid treats work very well when training a pet to use the Doorman™ pet door. Start by either removing the flap and passing the Lickety Stik™ through the door or simply lifting up the flap and using the Lickety Stik™ as a lure to entice the pet through the door. Only reward the pet when they go through the door.
4) Keep training sessions to 10 minutes at a time. Take a five minute break and then you can proceed. Watch the pet for signs of stress (Bloodshot eyes, nervousness, excessive shedding, shutting down etc…) and stop before they lose interest.
5) Do not let the dog go through the people door during training; this will slow the training process.
6) Keep the door in "Un-locked" position to start. This will ensure that the pet will not be frightened by the sound the door makes when it un-locks.
7) The pet should be on a leash to start and you can pass the leash through the door opening.
8) Always praise when the dog goes through the door.
9) Have customer practice while you critique.

4.0 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. If you are unsure whether this is appropriate for your pet, please consult your veterinarian or certified trainer. Proper use includes reviewing the entire Operating 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.

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

Important Recycling Advice
Please respect the Waste Electrical and Electronic Equipment regulations in your country. This equipment must be recycled. If you no longer require this equipment, do not place it in the normal municipal waste system. Please return it to where it was purchased in order that it can be placed in our recycling system. If this is not possible, please contact your local dealer for further information.

Battery Disposal
Separate collection of spent batteries is required in many regions; check the regulations in your area before discarding spent batteries.

Invisible Fence® Brand Doorman™:
This device operates on four Alkaline batteries of the type C-cell with a 1.5 Volt, 8350 mAH capacity. Replace only with the equivalent batteries.

Computer Collar®:
This device operates on one Power Cap® battery. Replace only with Power Cap® battery from your local Invisible Fence® Brand Dealer.

Compliance
US and Canada
Model: RIG00-13211
FCC ID: KE3-30001183
IC: 2721A-3000118
This device complies with Industry Canada license-exempt RSS standard(s). This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

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

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

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a specific installation. If interference does occur to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
• Reorient or relocate the receiving antenna.
• Increase the separation between the equipment and the receiver.
• Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
• Consult the dealer, or an experienced radio/TV technician for help.
This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

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

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.

400-1608