

# CANINE10RC-HP10 Instructions rev 0420

**For training unruly and nuisance barking dogs, and other animal pests**

## CAUTION

Sound pressure levels in excess of one hour over 105db may impair hearing. These units produce over 120db@30cm. Check local laws before using device as a deterrent against people.

Web Site <[www.amazing1.com](http://www.amazing1.com)>  
INFO UNLIMITED Amherst N.H. 603 673 4730

Wireless Remote is used for covert control from a safe distance

Frequency control switch must be on and set for intended target.

Manual control plug must be removed for wireless remote to work).

RANGE EXTENDER TUBES



LABEL

This little coil of wire is the antenna for the remote covert radio controlled receiver.



Key chain xmtr for remote control

**This modified System is capable of operating in two modes.**

**Mode 1** is at a frequency that is known to produce paranoia, nausea, disorientation and other physiological effects. It is just above audible to 25 kHz. The effects may take longer but are more covert than mode 2

**Mode 2** is our newly added SHRIEKER function allowing using the system as an audible alarm to frighten off intruders or warn the user of an intrusion.

Both modes may be used in combination and are easily pre-adjusted from the rear panel by the user.

The instrument is a multifunctional protective device producing directional piercing and high levels of longitudinal compressional sonic waves at SPL of >130 db measured at 1m- Observe label. These conditioned sonic waves produce painful, nauseating, disorientating, paranoia, and other deleterious effects. ***The device can help avoid unwanted confrontations and home intrusions*** yet is not life threatening. It can be used for keeping most unwanted four-legged creatures from ravaging gardens, ornamentals etc.

Basically, the unit produces a wide band of frequencies ranging into the high audible to the ultrasonic. Most people will hear or feel or become nauseous, lightheaded, dizzy or just plain uncomfortable and find the output intolerable to be around. Not all people or animals are alike and you will find some will be affected far more than others.

Successful performance of this instrument will require you to learn the functions of the controls their limitations and their effects and settings for producing optimum effects on selected targets. Range can be 25 feet out to 200 feet depending on target sensitivity. NOTE: Unfortunately, the sensitivity curve shows younger women are the most effected while older men the least!

The unit has settings that range from 5 kHz to 24-25 kHz. These settings are stable and will perform different functions on different targets. Most humans will not hear above 18 kHz, but will feel the effect over a period. As you decrease the frequency people will start to hear it, as well as feel it's and it is the discretion of the user along with the effect on his target where he adjusted his settings.

The unit also has a ***sweep control*** function. Now the sweep control function produces both audible and ultrasound frequencies so you may be hearing audible tones as well as ultrasonic as the unit sweeps its range as set to. The sweep control also has a rate control, which simply speeds up or slowdowns the changing frequencies from the ultrasonic to the audible range. As you can see these many functions and settings sometimes require the user to find **a sweet spot** meaning most effective settings that affect his target.

### **Addendum Notes**

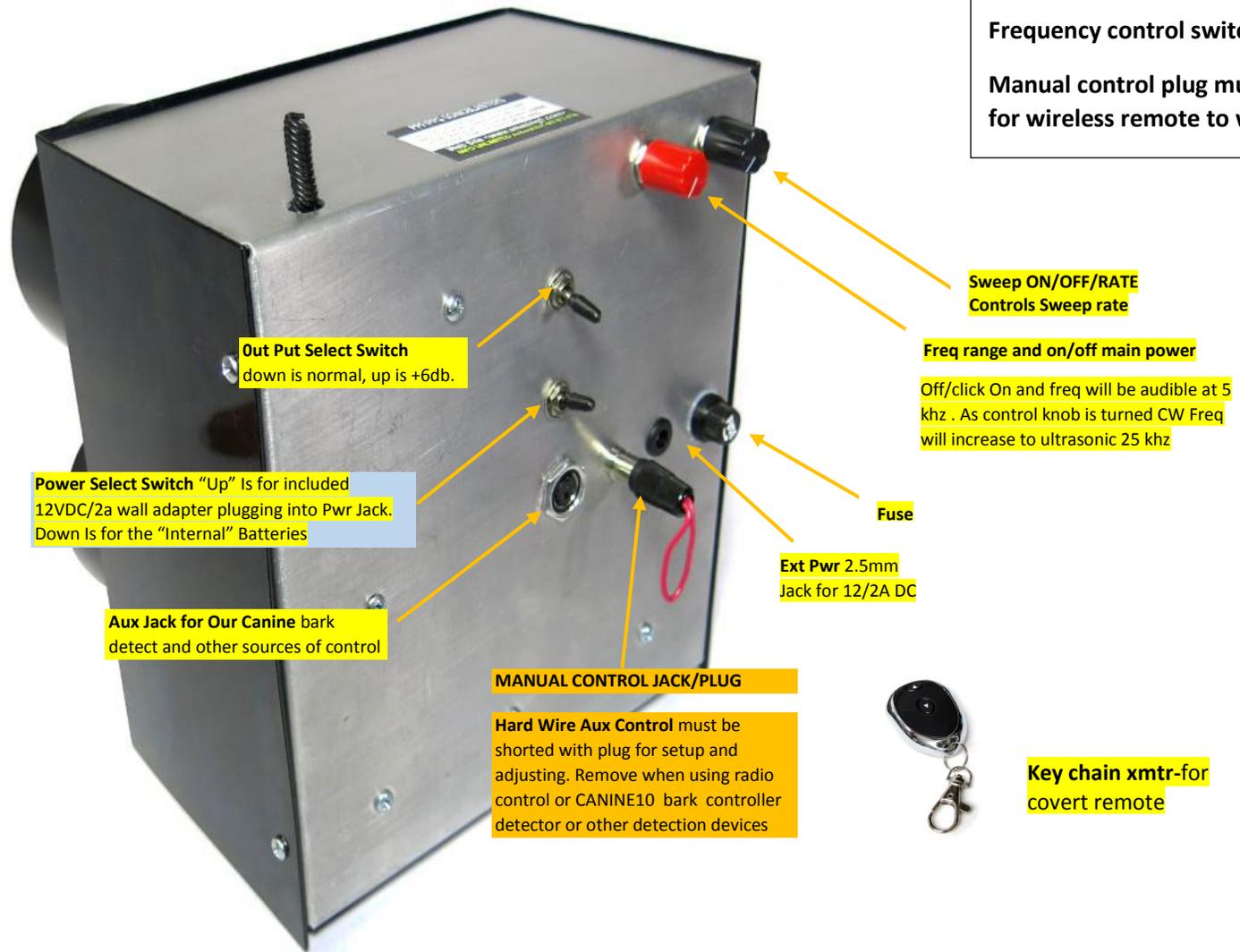
Unit may be used to protect gardens and ornamentals from unwanted four leg pests, CANINE10RC+HP10 bark controller, for control of predators raiding bird feeders

You'll see a photograph of the rear panel and all the controls and jacks and a description of the of each one. We have not labeled the rear of the unit as many people seem to consider that better security when it is unlabeled. The photograph will give you a clear picture of what the controls are and eventually you should get used to them without consulting the instructions.

## INTERESTING NOTE!

Your sonic acoustical generator is intended for use as a security or property protection device but be aware that certain states do not allow the use of any device that may discourage or impede any criminal activity, claiming such use is a violation of the law-breakers civil rights. You may check with the proper authorities before installing this device with the intent of discouraging illegal entry or protection of your family, home or property. We have been alerted that use in MASS, NYC, and WASH DC may require licensing restrictions in the future when used for security or property protection involving a possible violation of the law breakers rights!

We have provided the finished device without labeling or control identification for the user's protection should he run into any of these **regulations**. The user may choose to do his labeling using the instructions and a suitable marking pen



Wireless Remote is used for covert control from a safe distance  
Frequency control switch must be on .  
Manual control plug must be removed for wireless remote to work.

**Out Put Select Switch**  
down is normal, up is +6db.

**Power Select Switch** "Up" Is for included 12VDC/2a wall adapter plugging into Pwr Jack. Down Is for the "Internal" Batteries

**Aux Jack for Our Canine bark detect and other sources of control**

**MANUAL CONTROL JACK/PLUG**  
Hard Wire Aux Control must be shorted with plug for setup and adjusting. Remove when using radio control or CANINE10 bark controller detector or other detection devices

**Sweep ON/OFF/RATE**  
Controls Sweep rate

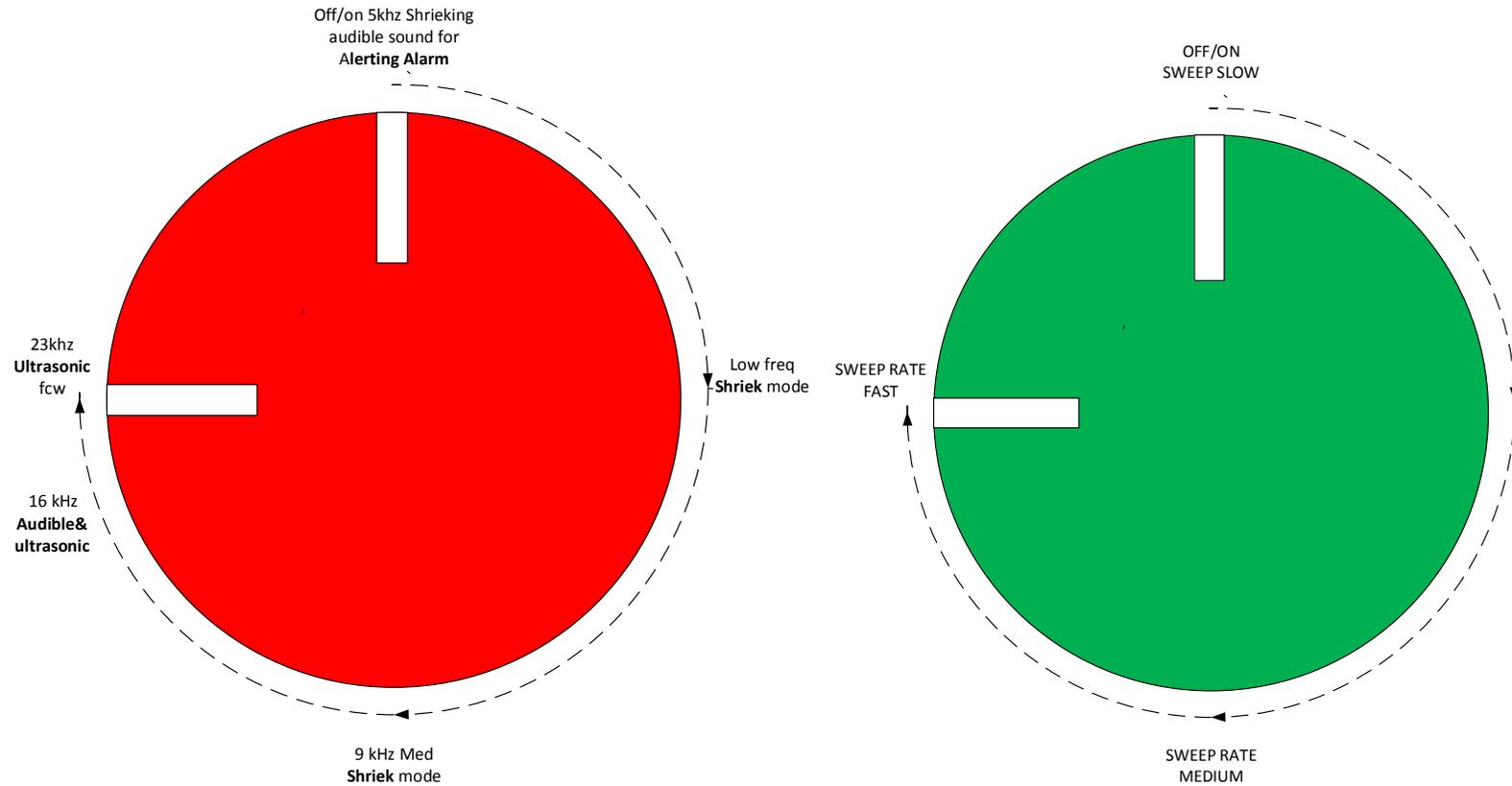
**Freq range and on/off main power**  
Off/click On and freq will be audible at 5 khz . As control knob is turned CW Freq will increase to ultrasonic 25 khz

**Fuse**

**Ext Pwr 2.5mm**  
Jack for 12/2A DC

**Key chain xmtr-for covert remote**

You may have to experiment around with the controls to maximize the effect on your target animal.  
A good starting point, if you have good hearing, is to set the frequency knob just where you barely hear the signal. For most people this is around 18 kHz. For women it might be a little lower.



## UNPACKAGING

- Check the unit over for any damage that could have occurred during shipping or otherwise.
- Verify all knobs are fully counterclockwise and off as noted by the click of the switch knob. Both toggle switches levers down
- Verify **Hard Wire Aux Control plug** is inserted into jack and remove the **RC controller** as is shipped being held in place by lead wired to plug

**\*SELECT POWER SOURCE of INTERNAL BATTERIES OR EXTERNAL 12 V INPUT** The lower **switch** is in the up position if you use the plug-in the **wall adapter** that was supplied with the unit for power. When it is in the down position you are powering the unit from the **internal batteries**. Switch should be either in the up or down position.

**\*note the output switch may be reversed with the power select switch on some units**

### **INSTALLATION OF INTERNAL BATTERIES**

Carefully remove the front section that the 4 transducers are mounted to via screws. Note inter connecting wire leads.

Insert eight fresh Duracell's or alkaline C size batteries and note proper contact of the batteries with each other and the connections to the terminals on the two holders.

Carefully re-assemble

## **CONTROLS DESCRIPTION, FUNCTIONS and ADJUSTMENTS**

**FREQ RANGE FUNCTION** is for manually turning the unit on and presetting the output from an audible of 5khz to inaudible up to 18-23 khz ultrasonic range. This control also applies power to the unit fully activating all controls **when first clicked on**

***For most dogs 18khz is a good starting point***

### **FREQUENCY RANGE ADJUSTMENTS**

- Click on **FREQ ADJ** knob. Do not adjust control currently
- You will hear a piercing audible 5 kHz tone.
- Slowly rotate the **FREQ ADJ** control clockwise and note frequency getting higher and higher until you cannot hear it anymore, but eventually will feel it as a pressure.
- Adjust **FREQ ADJ** control fully clockwise the frequency will be 24 to 25 kHz. Sensitive ears may hear at close range.
- Slowly rotate the **FREQ ADJ** control counterclockwise to a frequency you can just start to hear.

- Activate the **HI-PWR** toggle switch up and note an increase in sound output.
- To deactivate unit, rotate **FREQ ADJ** control fully counterclockwise to click off.

## **SWEEP RANGE FUNCTION**

1. is for manually turning the **SWEEP** on/off. As you rotate this control it will click on and allow you to change the rate of the sweep of the selected frequency as control is rotated.

## **SWEEP RATE RANGE ADJUSTMENTS**

- This control is for adjusting the rate of the changing freq from audible to inaudible ultrasound. Adjustment can be a rapid rate like chirping sound to a slow sickening rate of 5 seconds. Note that sweep range may be both audible at the low end to inaudible ultrasound at the high end. Sweep is disabled by clicking the switch in the FCCW position of this control. Turn control clockwise for faster and counter clock wise for slower rate CHECK

## **SPECIAL NOTE ON THIS ADJUSTMENT BASIC PARAGRAPH FOR ALL UNITS**

When you activate the **SWEEP FUNCTION** the frequency now changes between two limits as set by the **FREQUENCY ADJUST CONTROL**. The sweep rate of the frequencies that are being swept will vary depending on where the frequency adjust is set. Example: if you turn THE **FREQUENCY ADJUST CONTROL** full clockwise, that is the highest ultrasonic frequency of the unit. The sweep rate of the sweep range will start from that frequency of 25 kHz and change eventually reaching a lower frequency that could be audible to some people. The **SWEEP RATE CONTROL** just changes the time it takes for the output frequency to change from the highest setting to the lowest setting.

As the **FREQUENCY ADJUST CONTROL** is set lower, the sweep will always start from that lower frequency setting and even go lower. *You will be very much in the audible range if you were able to hear reasonably high frequencies as most younger people are.*

The best approach with a unit like this, where most users are unfamiliar with is to do a little experimenting. This will give you an idea of how the unit should be set for your application at the same time observing the effect on the target.

**THE COMBINATIONS OF SETTING FOR THESE DEVICES IS ALMOST UNLIMITED.**

The rate of this change is adjustable by the ***SWEEP RATE CONTROL*** and can enhance the effectiveness of the unit in many applications. You may find however that the ***sweep*** may not be required and be disabled by simply clicking the ***control off***. This allows a steady tone as set by the ***FREQUENCY ADJUST CONTROL***

***When you use the unit in the sweep position the whole objective is you scan the frequency of the unit from the high ultrasonic into the high audible or go lower where you can scan a shrieking high sound pressure (SPL) audible sound. The scanning mode in most cases should not be used if it's going to be around those who are very sensitive to high-frequency hearing as they could be bothered by it.***

## **SETUP INSTRUCTIONS**

### **IT IS ASSUMED YOU HAVE READ THE ABOVE DATA ON THE VARIOUS FUNCTIONS AND ADJUSTMENTS**

You'll see a photograph of the rear panel and all the controls and jacks and a description of each one. We have not labeled the rear of the unit will as many people seem to consider that better security when it is unlabeled. However, the photograph will give you a clear picture of what the controls are and eventually you should get used to them without consulting the instructions.

1. **DETERMINE POWER REQUIREMENTS** - "Internal" alkaline batteries will provide above 6 hrs. of use, but cannot be recharged. Ni-Cads will provide about 2-1/2 to 3 hours but can be recharged. An "External" supply can be provided by a 12 VDC 2-amp regulated wall adapter or external 12V battery.
  - **12 V POWER INPUT** is intended for the regulated wall adapter included with the unit. It mates with the input Jack and allows you to operate the unit without batteries, however it must be plugged into an accessible 115 V outlet.
  - **BATTERY OPERATION** will involve taking off the cover, and inserting the non-rechargeable 8 alkaline C cells that will provide you many hours of continuous use before they need to be replaced. If you decide you need

rechargeable batteries contact the factory and we will set you up with a charger and a battery of the amp power capacity that you require.

2. **THIS DEVICE HAS ALL TRANSDUCERS**, directed to the same area where protection against unauthorized intrusion is desired. This enhances the effect in a concentrated area.
  - ***If you activate this unit inside, you may hear all ranges if your hearing is exceptional good. Perform following tests with hearing protection or outside to avoid return reflections from walls etc***
  - Dogs seem to be affected just above that of human hearing...usually starting at 18 kHz. Animal pests usually 20 plus kHz
  - Note human sensitivity is maximum on younger females and less on older males. This advantage is used to discourage unwanted teenage gatherings in front of stores or other sensitive areas
- 3 Many users have reported back that best results were obtained by setting the frequency of the pain field right at the point of human hearing when you are close to it and this seems to be the best effect from what we understand in these reports
4. Adjust controls for maximized effect to target subject - experiment for optimum results.

## **NOTES**

There have been numerous requests for information on the effect of these devices on people. These units are used to debilitate, incapacitate and intimidate by providing a feeling of nausea, uncomfotability and extreme paranoia in people. Both the Israeli and U.S. govt are using for non- lethal crowd control

None of these sonic devices have the ability to stop a person with the same effect as a gun, club or more conventional weapon\*. They will, however, produce an extremely uncomfortable, irritating and even painful effect in most people. Not everyone experiences this effect to the same degree. Unfortunately, younger women are much more affected than older men due to being more acoustically sensitive.

The range of the devices depends on many variables and is normally somewhere between 25 and 200 feet again dependent on target sensitivity.

When all transducers are directed to a sensitive area where protection against unauthorized intrusion is important, a very painful feeling is experienced by the intruder, along with a condition of paranoia from not knowing what to expect next.

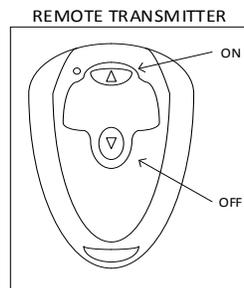
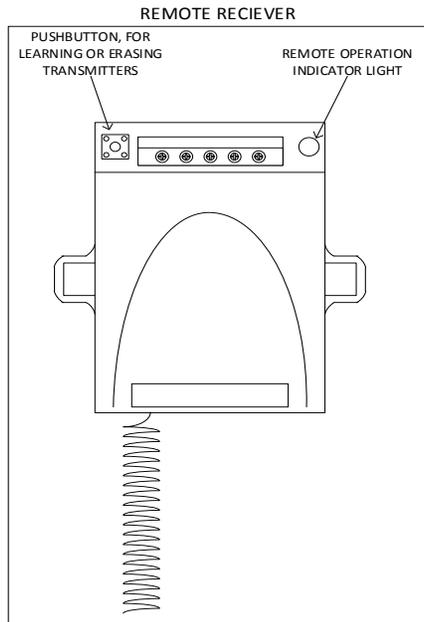
The range of the devices depends on many variables and is normally somewhere between 25 and 200 feet again dependent on target sensitivity.

*\*In certain situations deadly force backup may be necessary.*

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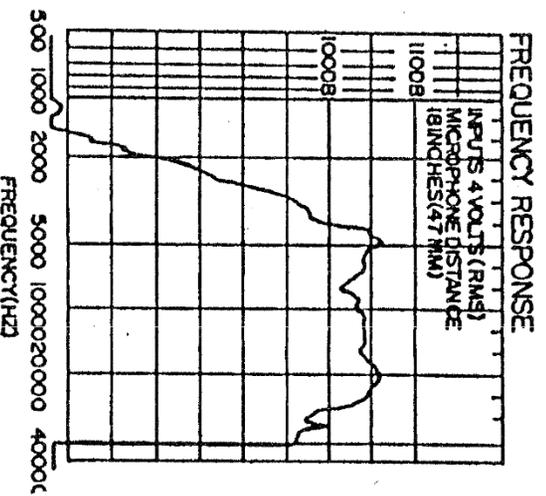
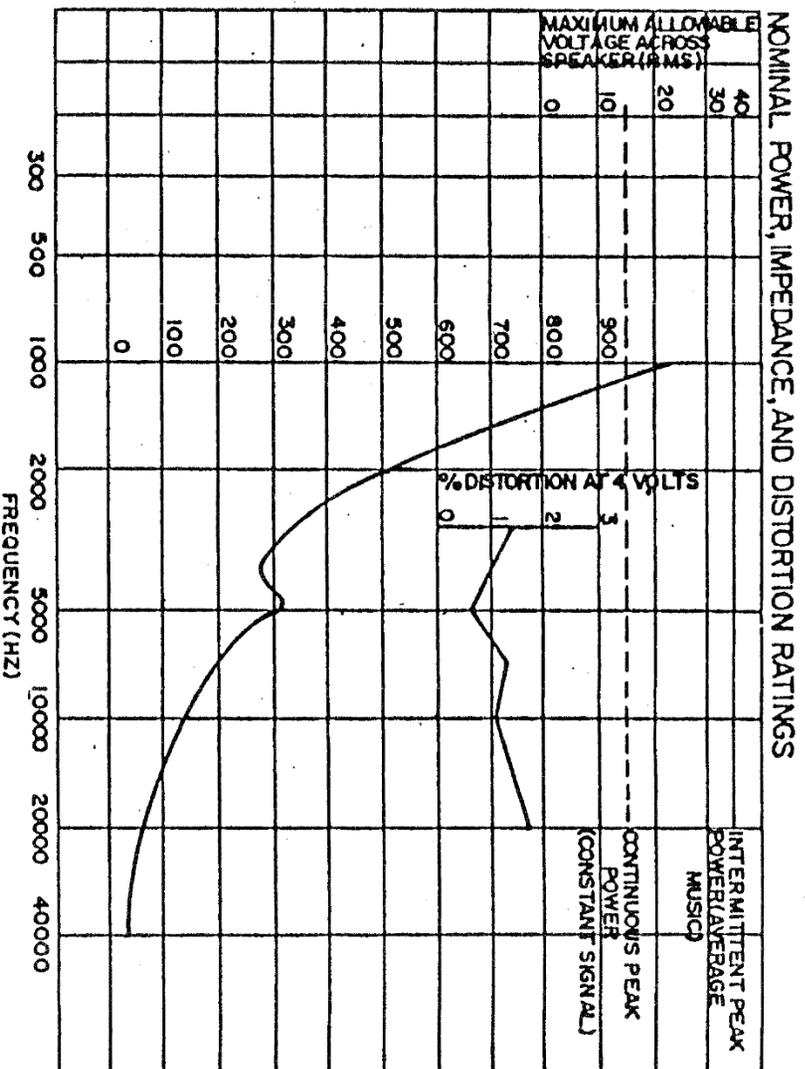
Manual control plug must be removed for wireless remote to work).



## BASIC TROUBLESHOOTING

If you should encounter any difficulties with your remote transmitter not working, it may be due to the receiver not recognizing the transmitter:

1. Make sure the power switch for the PPF/PCC is in the OFF position.
2. Remove the cover for the PPF/PCC.
3. Connect the power cord and plug into wall/ insert batteries in the battery holder.
4. Make sure power source select switch is in the correct position for what you are using (internal batteries or external power).
5. Push the remote transmitter's ON button for one second then push the OFF button for one second. (Check that remote indicator light turns on for each button push. If light does not turn on and you do not hear the relay click, go to next step. If light does turn on and you do not hear the relay click, call us for further help.)
6. Hold the remote receiver's push button for 1- 3 seconds until indicator illuminates, release button and light will then start blinking slowly.
7. Press either button on remote transmitter. The indicator light on the receiver will go out.
8. Press either button on remote transmitter again. The receiver indicator light should blink rapidly to show that it has learned the remote transmitter.
9. Press the remote transmitter's OFF button.
10. Make sure that remote jack is disconnected from the unit.
11. Turn PPF/PCC power switch ON.
12. Press the remote transmitter's ON button. Device should generate loud noise.
13. Press the remote transmitter's OFF button. Loud noise should stop.
14. Turn PPF/PCC power switch OFF.
15. Remove power cord from PPF/PCC.
16. Reinstall cover for PPF/PCC.
17. Your PPF/PCC is now ready for normal operation.



**FIG 9**

TDI TRANSDUCER SPECS AND CURVES MODEL #6001  
DETECTION FUNCTION SCHEMATIC



## CANINE CONTROLLER SETUP INSTRUCTIONS rev 0419

1. Unpack and check for any damage. The system consists of two parts: the larger section with the four emitter transducers (PHASER PAIN FIELD GENERATOR) and the smaller (CANINE CONTROLLER) section interconnected via a 3 to 4 foot cable. Check for inclusion of the 12 volt 2 amp adapter transformer.
2. Determine if you are going to use internal battery power or external wall adapter requiring 115 vac outlet. Internal battery operation will require removing the rear cover and installing the 8 C sized cells. Caution to observe polarity.
3. **The system must be enclosed under a roof to protect from direct rain and the elements. Complete access to the four emitters of the direction of the target area must be allowed along with the microphone element of the controller section that picks up the bark noise. You may use a plastic bag with holes for the transducers in open unprotected areas. Use ingenuity in this step.**
4. Determine placement attempting to get as close to the problem animals as possible. The closer the more chances of being optimally effective. Direct line of sight is required as the system is directional. Connect the cable and verify all controls are full CCW.
5. Carefully study the operational functions on the separate instructions enclosed for the PHASER PAIN FIELD GENERATOR section.
6. The controller section is preset at the factory for activating after receiving three or four barks and then emitting the deterrent signal for a period of from 3 to 5 seconds. These two parameters are adjustable via positioning the levers on two DIP switches. You will have to remove the cover to make these adjustments, however readjustment once set seldom is required. The switch positions and their settings are explained on page 2.

### OPERATION

7. Verify the shorting plug is inserted into the REMOTE JACK. Turn on the frequency control knob and adjust midway. Set the switch for battery or external power. Set the second switch to "low". Caution to stand behind the unit and plug in the adapter. The unit should be emitting at this point. Verify the control function and label as you see fit.
8. **Plug in the CANINE CONTROLLER box via the three pin plug connector. Remove the shorting plug from the REMOTE JACK.**
9. **Turn the bark level control to a quarter way and make multiple loud barking sounds noting the unit momentarily turning on than off after several seconds. Repeat to verify operation. Note this control is very sensitive and may need turning way down.**
10. Activate several times and quickly set the frequency to just above that of normal hearing. This is sometime close to the frequency that dogs find uncomfortable.
11. You may have to experiment with the settings of the frequency and sweep control to optimize the effects. Always verify the bark level activating control is not too sensitive or vice versa.
12. **You may also set the unit to where it can be extremely discomforting and annoying to the dog owners in the event that they are uncooperative or are the reason there is a problem. Use discretion in using this highly effective approach against people.**

## Special notes:

Unfortunately high ambient sounds may falsely trigger the unit even though we have designed it to discriminate against most non target sounds. A dog's bark is not that dis-similar to that of other natural and manmade sounds. It is suggested to use the unit during the nighttime or other less noisy times. The adjustments include the pickup sensitivity that can be the most crucial adjustment and the bark counter S1. We can only suggest trial and error for your particular application.

S1 determines the relative number of barks that must be detected before triggering the timer for turning on the sonic generator.

Pos1.....8

Pos2.....7

Pos3.....5

Pos4.....3

S2 determines the on time of the sonic generator once it triggers from the bark sign.

Pos1.....1sec

Pos2.....2sec

Pos3.....10sec

Pos4.....33sec

Combinations of the switch positions will be additive. Note the switch must always be or in one position.

# Canine Controller Block Diagram

