

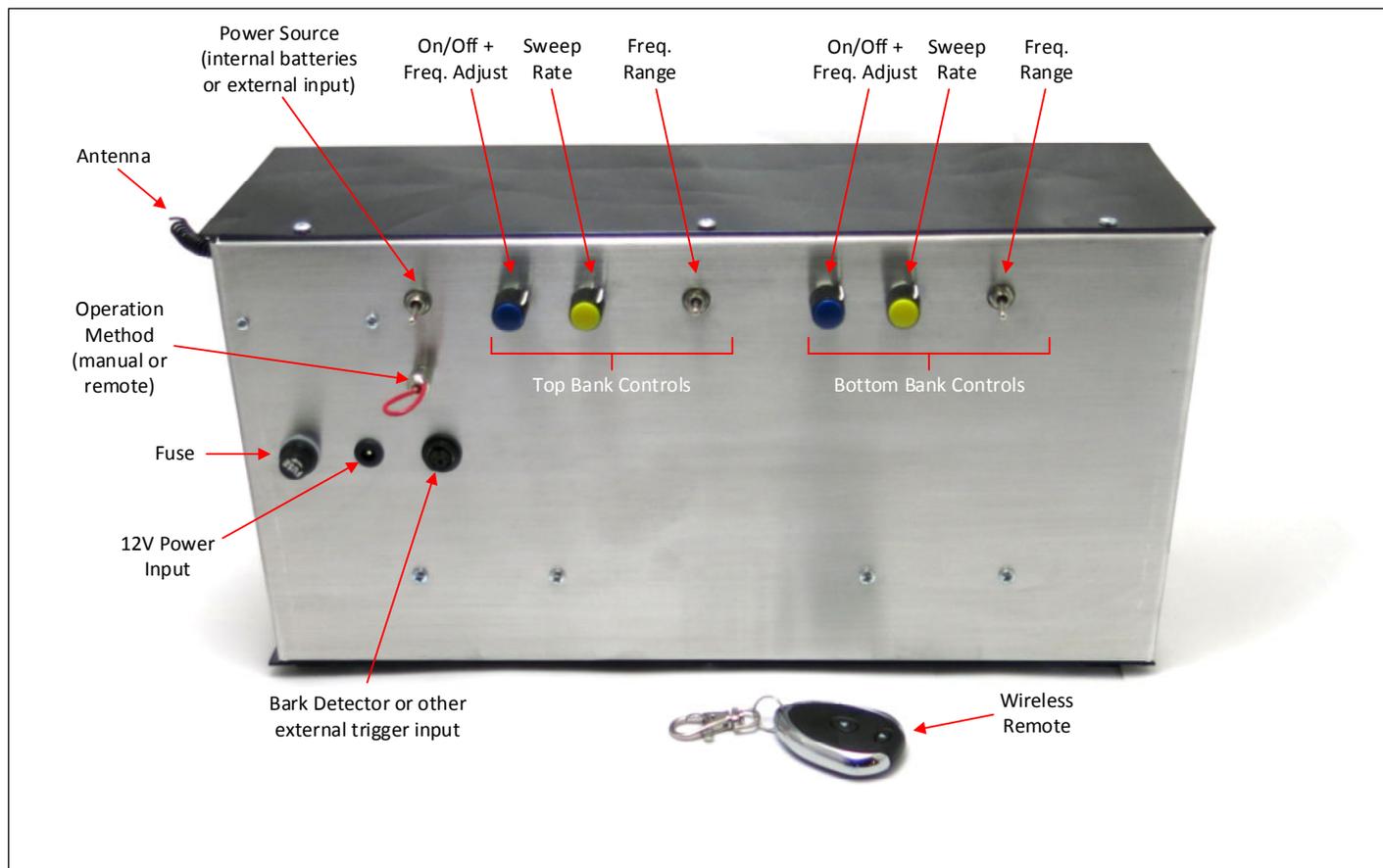
PCC Instructions rev 12/2014

APPLICATION

This system consists of **two individually controlled sections each powering four transducers.** This gives you the advantage of multiplex ultrasonic and pain field waves that will be more effective than if all transducers were powered from the same source at the same frequency. You may however at your discretion turn one of the units off and only power four transducers at a time. This option is up to you and experimentation with the controls may help finding the best effect on your target.

Your Phasor Pain field 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. Mode 2 allows 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 controlled from the panel by the user.

The rear panel photograph shows all the controls and jacks, with a description of each. The rear of the unit itself is not labeled as many people seem to consider that better security. 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.



Explanation of Controls (ref photo)

POWER SOURCE/INTERNAL BATTERIES OR EXTERNAL INPUT switch: When this *switch* is in the up position 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*. You will note some switches have a middle position this is no function at all and the switch should be either in the up or down position.

ON/OFF+ FREQ ADJUST This is the *on/off switch* for the *sweep control* of the frequency for the *top bank* of four transducers. As you rotate this control it will click on and allow you to change the rate of the sweep of the selected frequency as it is rotated. The *bottom bank* is controlled by a different set of similar controls with the same functions.

ON/OFF SWITCH FOR THE SWEEP control of the frequency for the bottom channel selection of transducers. As you rotate this control it will click on and allow you to change the rate of the sweep of the selected frequency as it is rotated. The *bottom bank* is controlled by a different set of similar controls with the same functions.

Note the *sweep function* is disabled by this switch and allows a steady tone as set by the *frequency adjust switch*. When you activate the *sweep function* this frequency now changes between two limits. 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 control* may not be required and be disabled by simply clicking the *control off*.

The combination of two channels with these capabilities cause the multiplex and discordant sound and ultrasound variations that increase the intolerable effect of this unit.

FREQUENCY RANGE SWITCH this switch allows you to select two levels of frequency. When the switch is in the up position the frequency range is low and is more for testing or using for an alarm system as the output is very audible. When the switch is in the upper position, this is normal output that will range into the high audio to the ultrasound over 20kHz. This is where the target would feel the incapacitating, debilitating and nauseating effects of the unit

ANTENNA This little coil of wire is the antenna for the remote radio controlled transmitter.

OPERATIONS METHOD MANUAL OR REMOTE

This function allows the selection of how your unit is controlled. There are three basic controls for this unit

1. Control requires wiring to an off/on switch connected into the **manual control Jack** that now has a shorted mating plug connected when you receive it.

2. When used with our canine controller **bark detector trigger jack** or other external trigger input, the **shorted mating plug** must be removed.

3. Radio controlled operation via the handheld **wireless remote** transmitter allowing control of the system up to *300 feet also requires the **shorted mating plug** to be removed.

**300 feet is outside with no obstruction*

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 D 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.

FUSE 3 AMP

WIRELESS REMOTE *This a little handheld transmitter that can easily be concealed in your shirt pocket or wherever it is convenient. It has a range of 300 feet when in the with the receiver.*

A WORD OF CAUTION:

Ultrasonics are a gray area in many respects when application involves the control of animals or even as a human deterrent to unauthorized intrusion. It is always best to consult with local municipal and state laws before using this device to protect home or property. REMEMBER MANY STATE LAWS LEAN MORE TOWARDS THE RIGHT OF THE CRIMINAL RATHER THAN THE VICTIM

INSTRUCTIONS

1. Position unit so as to direct toward target area. Unit will lose all directionality if operated inside of a small volume room. This is due to energy being reflected, refracted and absorbed throughout the room.
2. 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.
3. Determine power requirements - "Internal" alkaline batteries will provide above 6 hours 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 4 amp non-regulated wall adapter or external 12V battery.

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.

4. Set switch on rear panel to desired position of "Internal" battery or "External" supply.
5. Adjust controls for maximized effect to target subject - experiment for optimum results.
 - A. Sweep control contains on/off switch to disable as well as adjusting the sweep rate.
 - B. Frequency control contains on/off switch for main power and adjusts frequency of operation.
 - C. Low range control allows use as an audible alarm and verifies operation.
 - D. External control jacks are intended for interfacing to remote detectors such as our **canine bark controller** or intrusion detection system.
 - E. Wireless Remote is used for control from a safe distance (frequency control switch must be on for wireless remote to work).

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, uncomfortability 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 50 and 150 feet.

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.

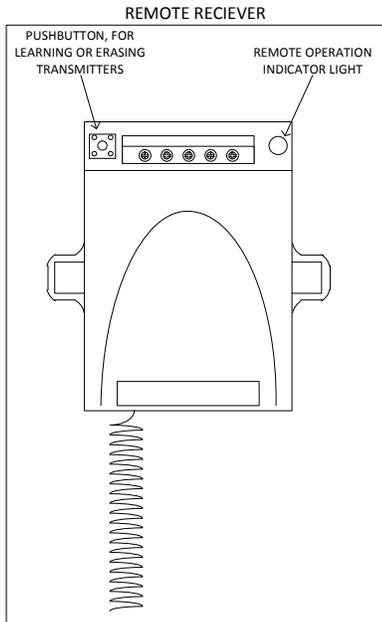
ATTENTION!

Your sonic acoustical generator is intended for use as a security or property protection device. Please 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. Always check with the proper authorities before installing this device with the intent of discouraging illegal entry or protection of your personal home or property.

We have been alerted that use in MASS, NYC, and DC may require licensing restrictions in the future when used for security or property protection involving a possible violation of the law breakers rights!

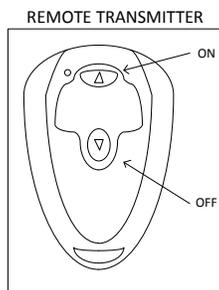
We have provided the finished device without labeling or control identification for the users protection should he run into any of these ***stupid regulations***. The user may choose to do his labeling using the instructions and a suitable marking pen.

BASIC TROUBLESHOOTING



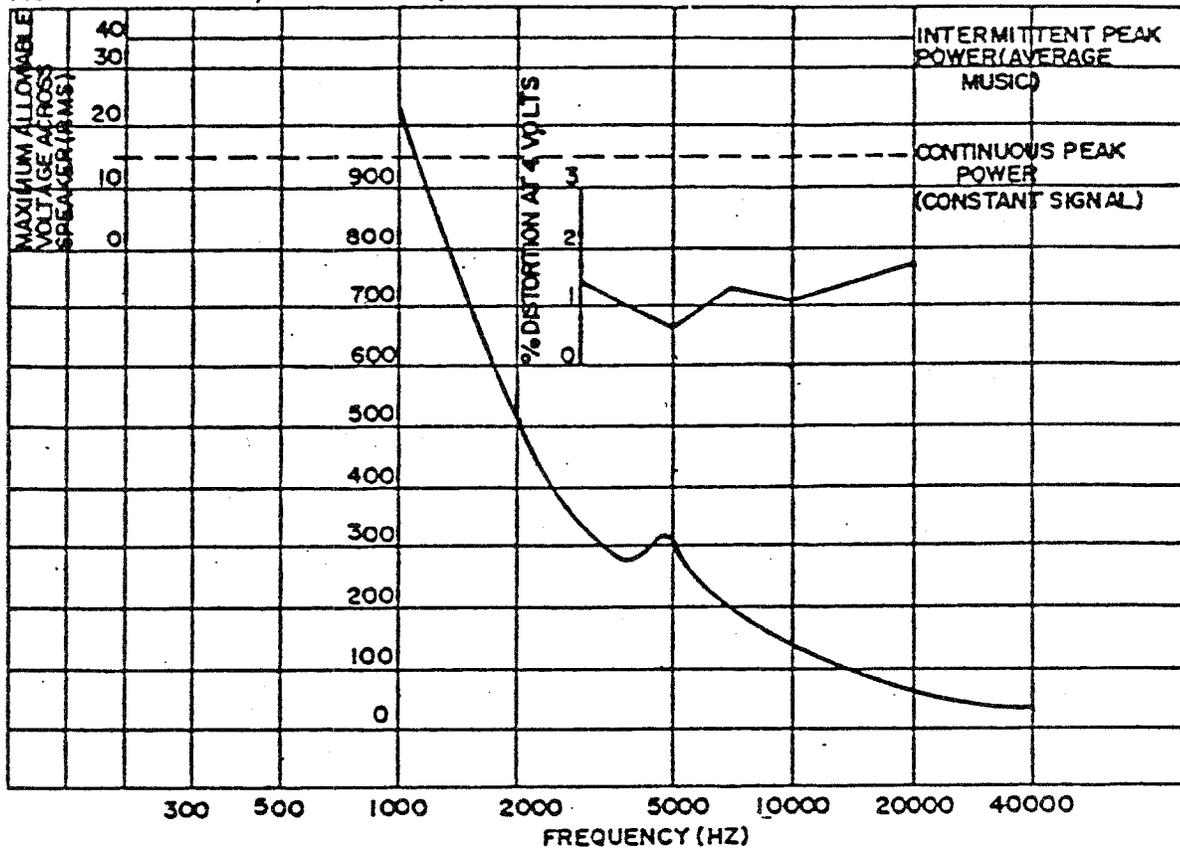
If you should encounter any difficulties with your remote transmitter not working, it may be due to the receiver not recognizing the transmitter:

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.



TECHNICAL DATA ON YOUR UNIT

NOMINAL POWER, IMPEDANCE, AND DISTORTION RATINGS



FREQUENCY RESPONSE

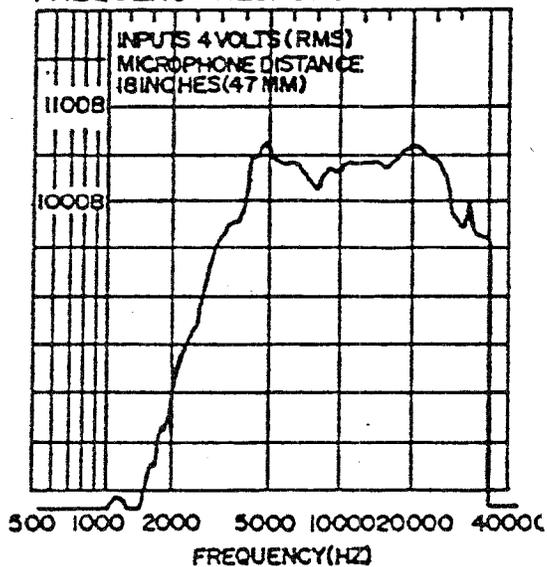


FIG 9

TDI TRANSDUCER SPECS AND CURVES MODEL #6001
DETECTION FUNCTION SCHEMATIC

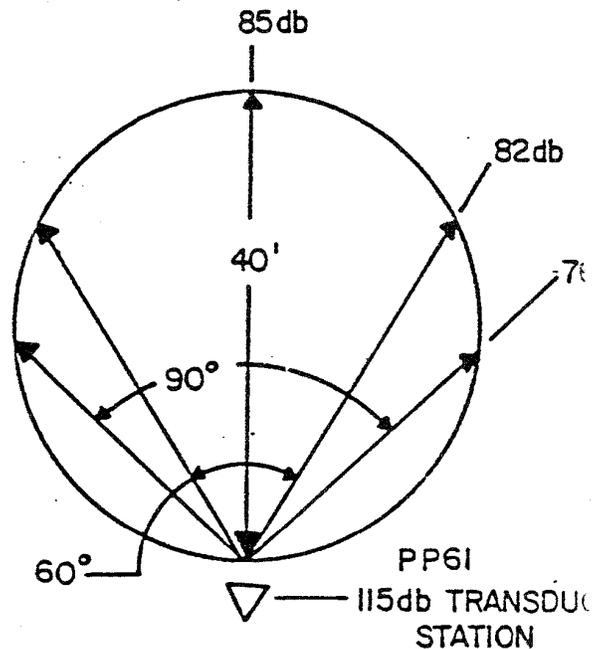
FIG 10
SOUND PRESSURE CHART

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EAR DAMAGE	160 db	EXPLOSION, SHELL
	150 db	GRENADES, OUTSIDE DESTRUCTIVE SHOCK- WAVE RADIUS
PAIN	140db	MIG. AUTO. RIFLE DOWN RANGE 10'
	130 db	THRESHOLD OF PAIN
	120db	PPGI TO INTRUDERS
VERY LOUD ANNOYING	110db	CIRCULAR SAW, FIRE SIREN
	100db	SUBWAY STATION THUNDER
	90db	BELT SANDER, VACUM CLEANER
COMFORTABLE	80 db	NORMAL CITY STREET
	70 db	PHONE RING AT 6' NORMAL SPEECH
	60db	AIR CONDITIONER
QUIET	50db	WINDOW FAN
	40 db	NORMAL OFFICE
	30db	LIGHT BREEZE
VERY QUIET	20db	RECORDING STUDIO
	10 db	LOW WHISPER
	0db	THRESHOLD OF EAR FOR HEARING

SOUND PRESSURE INTENSITY CHART

DB RATINGS TAKEN AT 18" FROM SOURCE
UNLESS OTHERWISE NOTED.



RADIATION PATTERN, SCALE 2.5" = 40'
USE A LAYOUT TEMPLATE