

Predator Sound Board w/ LEDs

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FUNCTIONAL OVERVIEW

Once powered up, the board plays out several different predator sounds via the remote pushbutton cable. Onboard LEDs also light up for the shoulder cannon and the tri-beam targeting lights located on the predator's environmental helmet.

The sound package comes with:

- programmed and assembled sound board
- small speaker (wired up)
- master power switch (wired up)
- remote pushbutton cable
- jack for external amplified speaker w/ volume control
- targeting LEDs or laser diode relay
- cannon fire LED

You may also need:

- 1/8" mono cable
- plastic project box or heat shrink wrap

You can also use the following compatible equipment with your voice amp:

- Amplified speaker (Radio Shack #277-1008C)



- PA amp

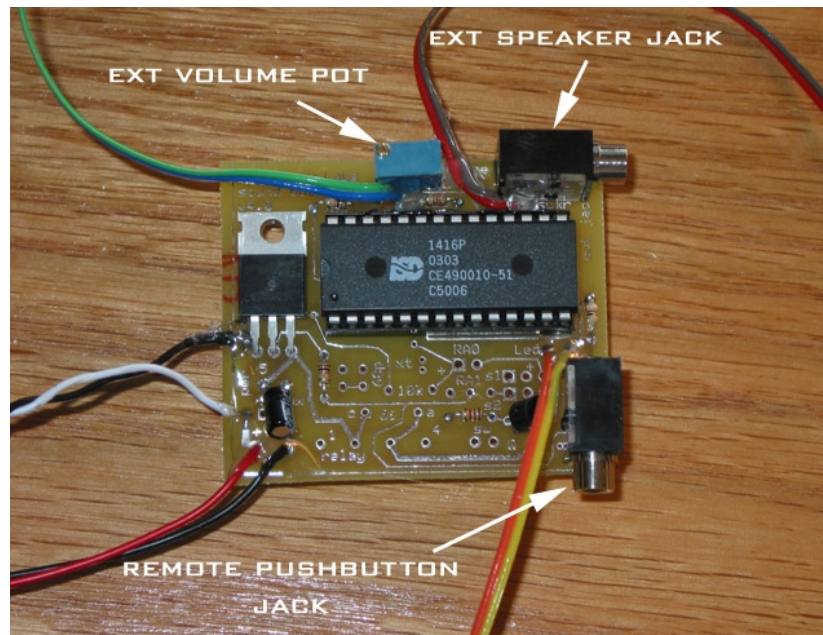


POWER SUPPLY

The sound board runs on batteries. You can use a 9V battery, a 6AA battery pack, or any other DC source in the range of 8-18V. The 6AA battery pack will last much longer than a single 9V. If you do use a 9V, consider a lithium or rechargeable nickel-metal hydride battery for extended battery life.

OPERATION

Here is a pic of the sound board:



To play out a desired sound, first hook up the remote pushbutton cable to the 1/8" jack shown above. The sound board has 6 sounds that can be played out individually. They are numbered as follows:

- 1) Predator taunt sound.
- 2) Predator targeting sound: The targeting LEDs also activate during the playback.
- 3) Cannon fire sound: The firing LED also activates during the playback.
- 4) Predator yell.
- 5) Predator clicking sound.
- 6) Predator death sound.

To play a sound, push the remote button the desired number of times corresponding to the sound number above (do not allow more than 1 second to pass in between presses). After 1 second of no button presses, the board will play out the sound corresponding to the number of button presses you just input. For example, to play out sound 4 (predator yell), push and release the remote button 4 times in a row. After the 4th push, the board will wait one second and then start playing out the 4th sound.

***NOTE:** If you would like to turn on the targeting LEDs at will, you can hold the pushbutton in for greater than 1 sec. and then release it. When you let go of the pushbutton, the targeting LEDs will come on and stay on. To turn them back off again, hold the pushbutton in for greater than 1 second again. Doing this multiple times will allow you to cycle the targeting LEDs on and off whenever you choose!*

MOUNTING

You can mount your board and speaker inside a hard shell VHS tape case if you like, or it can mount inside your helmet using hot glue. Make sure the speaker has some sort of enclosure in order to get the best sound. A speaker playing in free air will not sound as loud compared to one put into an enclosure. Make sure the board does not come into contact with water, sweat, etc as it will short circuit the electronics.

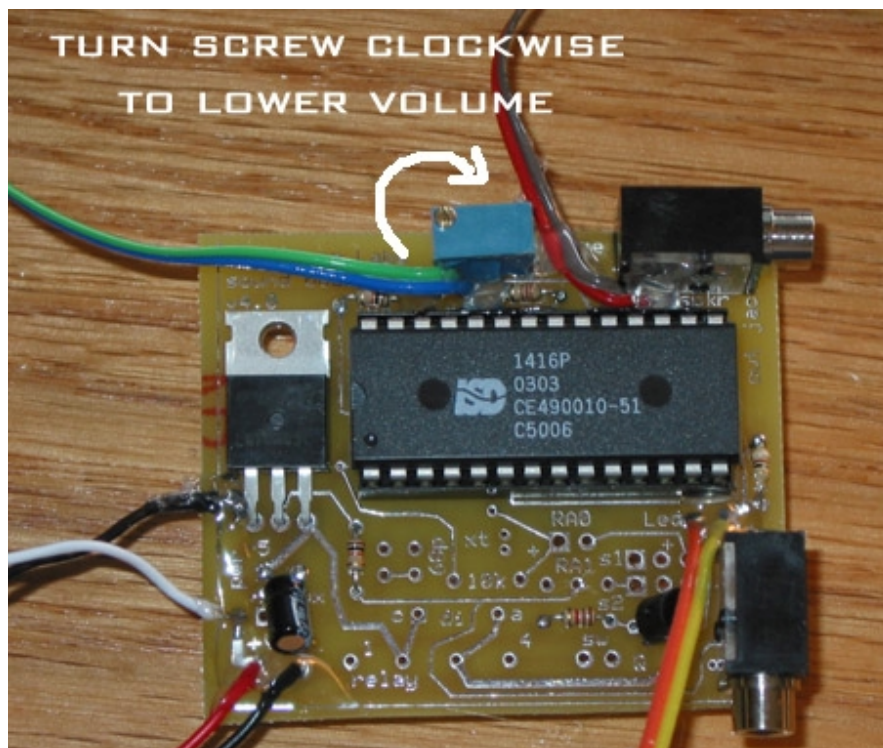
USING AN EXTERNAL SPEAKER FOR MORE SOUND

If you want to get **louder** sound, you can hook up any size 8-ohm speaker that you require. You can also connect up the speaker output to a line-level amplifier/speaker combo (computer sound card, portable PA system, amplified speaker, etc) to get much louder sound.

If you need more volume than the attached speaker can provide, then you use the external speaker jack in conjunction with an amplified speaker (listed on page 1) or other external amplifier/speaker setup.

Simply insert a 1/8" mono cable into the jack and run it to your amplified speaker. Turn the blue pot screw to control the volume going into the amplifier.

NOTE: If you are using the external speaker jack, you must disconnect the existing speaker from the board! If you don't then the resulting amplified sound will not be good.



The pot screw **turns 25 times** to go through its entire volume range. So if the volume is too loud going into your external amplifier (sounds distorted), you need to reduce the volume from the sound board.

Turn the screw in 4 turn increments (clockwise) until your speaker sounds less distorted. If the volume is too low, turn the screw in 4 turn increments (counterclockwise) to raise the volume.

NOTICE: There is no warranty on kits!! It is your responsibility to install the board. Kits cannot be returned! Be careful if you plan to use a battery source that is capable of delivering a lot of current. Contact a professional if you need assistance. Hyperdyne Labs assumes no responsibility for the misuse of this kit.