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Audio Aid

By Rickard Berglund

Build a New Tone-Control Circuit

This tone control is a modification of the original Baxandall "Negative feedback tone control" published in *Wireless World*, October 1952. The potentiometer P1 controls the whole range 1kHz-20kHz. The control ranges of the potentiometers P2-P7 are as follows:

P2	low bass	100Hz
P3	high bass	250Hz
P4	low midrange	500Hz
P5	high midrange	2000Hz
P6	low treble	4000Hz
P7	high treble	10,000Hz

The output impedance is 500 Ω , and the input impedance is 9k Ω . For IC1-IC4 you can use one LM837 or two NE5532s. You can use the same power supply as used for the phase meter in *audioXpress*, November 2006 ("A Phase Meter Calibrator," p. 22). **aX**

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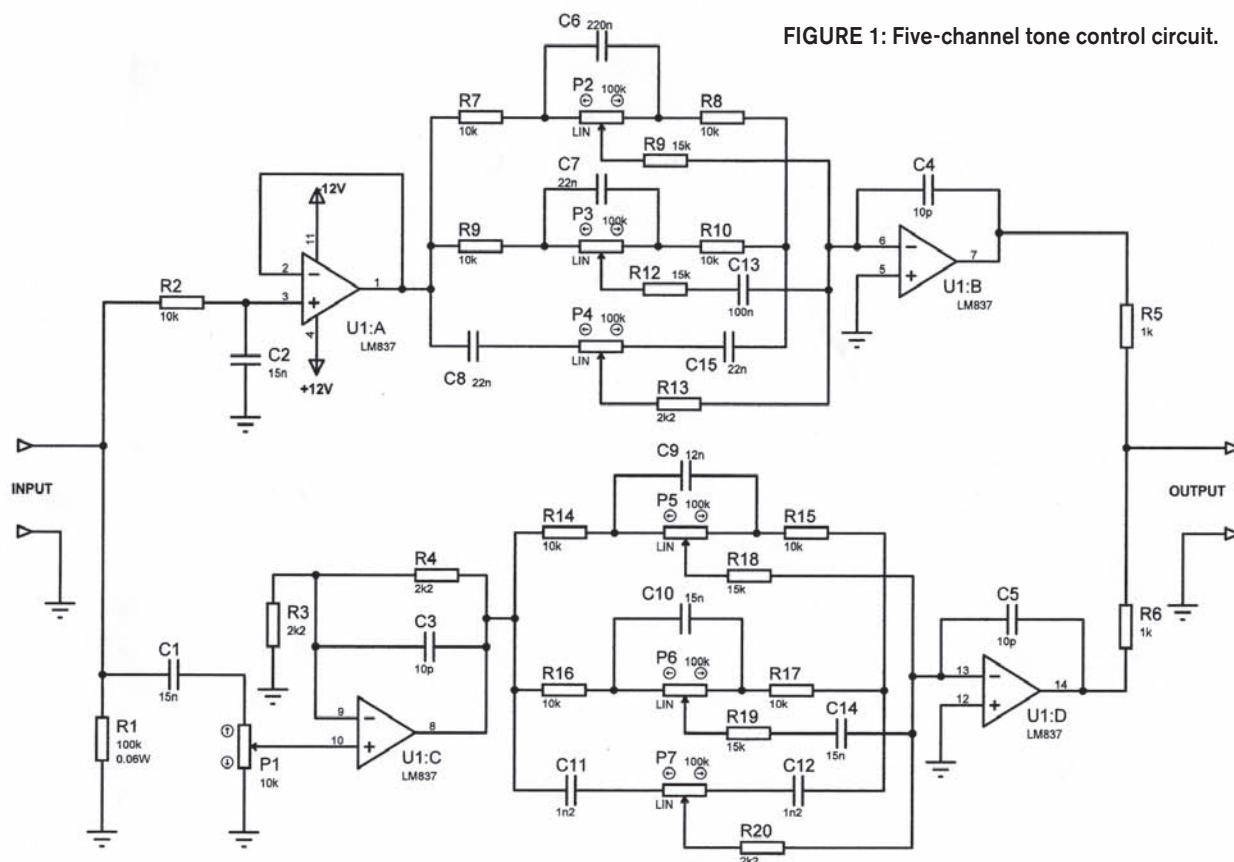
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and want to enjoy the ride—*doing it themselves*

Parts List

C1, C2	15nF
C3-5	10pF
C6	220n
C7	22n
C8, 15	22n
C9	12nF
C10	1.2nF
C11-12	1nF
C13	100nF
C14	5.6nF
P1	10k Ω lin.
P2-7	100k Ω lin.
R1	100k Ω
R2	10k Ω
R3, 4	2.2k Ω
R5, 6	1k Ω
R7-10, R14-17	10k Ω
R11, 18	15k Ω
R12, 19	6.8k Ω
R13, 20	2.7k Ω



Simple Servo Sub 100/120* Modification Kit

By Bill Waslo

A simple modification to upgrade these inexpensive subwoofers to provide solid very low-frequency response and nicely detailed sound. Kit includes PC-board and components to complete the modification. This servo output can also support chaining additional subs as slaves. Project details appeared in *audioXpress* 12/06. Sh. wt: 1 lb.

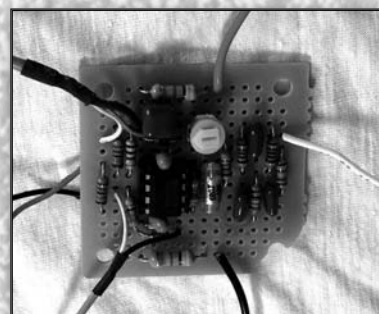
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PC Board only – PCBW-6 \$6.00

*Sub100 and Sub 120 are available from Parts Express

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