

---

Subject: Re: two cents from a 2370 user and compensation circuit!!!!

Posted by [Adrian Mack](#) on Mon, 24 Feb 2003 05:51:50 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Hey Thomas, thanks for your input. I'm glad to see you've had success with the P.Audio stuff. >\*note in my experience 2370's need less compensation than many > other horns. A .33 or .22mF should work fine, but that depends on > the compression driver. I remember thinking the P Audio had good > top end when I considered it a while back. It should do great.Hmmm, I've just went back to Waynes compensation figures, it says use a 0.47uF bypass cap to remove attenuation on the top octave with a resistor picked from the chart below:

Power	Ohms	Decibels
0.0	0dB	100%
2.5	2.4dB	
5.0	4.2dB	58%
7.5	5.4dB	38%
10.0	7.0dB	27%
15.0	9.2dB	20%
25.0	12.3dB	12%
34.0	14.4dB	9.2%
37.5	15.1dB	8.6%
50.0	17.2dB	6.0%
		3.1%

You've told me 33 or .22mF should be fine with this horn/driver combo, is this for the bypass cap? How do I convert mF to uF? Oh yea, what sort of caps should I use? (greencaps, MKT's, electrolics or however you spell it lol). I just realized I dont know how to pick what resistor to use from the chart above lol. Although wayne said a 25 or 50ohm in most cases should work well. How can I determine from the above what is needed?Thanks! Adrian