Subject: 4pi
Posted by John Gilmore on Tue, 26 Aug 2008 19:15:24 GMT
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Hi Wayne,Any chance you could mail me the 4Pi plans?I have 2 pairs of 2226's with four ohm cone kits. I assume i can just scale the inductor values and recalculate the parallel RC values to suit right?I'll use DE250's for one pair but I also have an old pair of EV DH2A's lying around - has anyone got any thought's on crossovers for these?Thanks,John

Subject: Re: 4pi
Posted by Wayne Parham on Tue, 26 Aug 2008 22:30:39 GMT
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Likewise, there are components R2a, R2b, R2c and R2d. The circuit board layout has space for 10 watt non-inductive resistors like those from Mills or Dayton. The idea is to combine series/parallel components to form the desired resistance values of R1 and R2, while at the same time having a lot of thermal capacity.For reference, a chart of woofer circuit values are shown

0.75mH	1.5mH	3.0mHL3	0.25mH	0.5mH	1.0mHC4

Subject: Re: 4pi
Posted by John Gilmore on Wed, 27 Aug 2008 05:50:40 GMT
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Thanks Wayne. Any thoughts on the EV DH2A compression driver?

Subject: Re: 4pi

Posted by Wayne Parham on Wed, 27 Aug 2008 17:20:10 GMT
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Never tried it. I'd be interested in seeing measurements and hearing one. If you have a link to measurements, I'd like to see it.

Subject: Re: 4pi
Posted by John Gilmore on Wed, 27 Aug 2008 17:48:36 GMT
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Well I guess I'll be doing any measurements not in the datasheet. The datasheet is online here...
http://archives.telex.com/archives/EV/Drivers/EDS/DH2Amt%20EDS.pdf

Subject: Re: 4pi
Posted by John Gilmore on Mon, 25 Apr 2011 15:13:38 GMT
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Hi Wayne,

I know this goes back a bit... I ended up using 8ohm 2226's my first pair of 4pi's which I've been enjoying for a couple of years. I've just built a second pair using my 4ohm drivers and refered back to your post above for the HF attenuation values...

This didn't occur to me before but if the 4ohm is 3db LOUDER than the 8ohm at a given drive voltage, then surely I need to DECREASE the attenuation in the HF crossover circuit, not increase it?? Or am I not thinking correctly?

Subject: Re: 4pi
Posted by Wayne Parham on Mon, 25 Apr 2011 18:12:10 GMT
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woofer, decrease tweeter attenuation a smidge to match voltage sensitivity. You'll see all that when you do your measurements to dial in the crossover.