
Subject: Wayne - Theater 4 Pi question
Posted by [Neo](#) on Fri, 12 Jul 2002 17:07:36 GMT
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My Theater 4 Pi's seem to need more lower mid-range and bass when compared to my Sea's 5.5" monitors in an MTM arrangement (BESL Series 5's <http://www.bamberglab.com/series5.htm> powered of course by a SS Threshold amp and preamp). I'm using the correct Eminence crossover and Eminence drivers with the extra components across the woofer and tweeter. I'm using the 6db attenuation values for the tweeter. I'm at work or I'd be more specific. Some changes I did make... 1- I increased the cabinet depth by 1" to allow for extra internal reinforcement. 2- I installed 2"x4" 'belts' above and below the woofer for cabinet reinforcement, and I put a 2"x4" reinforcement in the middle of the top and bottom panels. 3- I'm using the Partsexpress Acoustic 1.5" foam (instead of 2" fiberglass) on three sides. I added more foam and some fiberglass - speakers got more defined and clear I think. Your thoughts/suggestions please ...ThanksTom

Subject: Re: Wayne - Theater 4 Pi question
Posted by [Adam](#) on Fri, 12 Jul 2002 19:46:39 GMT
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Overdamping the inside of your enclosure could partially be the problem with the lack of lower midbass and bass output. Lining your enclosure walls with damping material and stuffing the box with polyfill will only hurt the response of a ported box woofer. You really only need it for damping high frequency output and cleaning up the midrange/upper midbass a bit. Unfortunately, you might have to strike a compromise between these two. JMO. Adam

Subject: Theater 4 Pi answer
Posted by [Wayne Parham](#) on Fri, 12 Jul 2002 19:47:11 GMT
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You need more attenuation for the compression horn. Do you have plans for the Theater Series which attenuates the tweeter almost twice as much.

Subject: Re: Theater 4 Pi answer
Posted by [Neo](#) on Sat, 13 Jul 2002 11:15:26 GMT
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Thanks for the input Wayne...You emailed the plans for the theater 4 Pi's to me awhile ago. The dimensions were 2'x 3'x 18". I made them 2' x 3' x 19". This makes them about a .5 cu ft more than specs. Will this hurt ? I used PartsExpress pxb2-1k6 part#290-634 cross overs with added elements R1 = 12 ohm, R2 = 30 ohm and C1 = .47uf for the tweeter. And C5 = 20 uf and R3 = 8 ohms for the woofer. Did I go wrong somewhere ? Are you still making crossovers for Pi 4's. Maybe it would be easier for me to just buy yours. I love the Pi's but I miss the mid-range...Thanks again for your help. Tom P.S. My old moniker was tottman2. It is the email name my company invented based on my first and last name. Not very interesting. I love the movie Matrix, so I thought I'd borrow the stars name.

Subject: Re: Theater 4 Pi answer
Posted by [Wayne Parham](#) on Sat, 13 Jul 2002 18:02:53 GMT
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The correct values for both R1 and R2 are 16 ohms. You can buy the completed crossovers ohm resistors, you'll be fine. You might be interested in the post called, "Compensation networks - Photos."

Subject: Thanks Wayne...
Posted by [Neo](#) on Sun, 14 Jul 2002 17:17:24 GMT
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And thanks for the Matrix links etc...I'm ordering the resistors I need right now. After reading the links, I think I'll try my big SS amp on the Pi's, just see to see them glow !Tom

Subject: Can you send me some Pi symbols for my speakers
Posted by [Neo](#) on Sun, 14 Jul 2002 17:20:03 GMT
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And let me pay for them... or at least the postage. My address is: Tom Ottman 53 Westview terrace Berlin, Ct 06037 Thanks Wayne

Subject: I'll send some today.

Posted by [Wayne Parham](#) on Sun, 14 Jul 2002 19:43:15 GMT

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Subject: Re: I'll send some today.

Posted by [Erik Johansson](#) on Mon, 15 Jul 2002 19:00:30 GMT

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I would love get some Pi symbols for our 2 Pi speakers (4 of them in total). How much are they? I might get an extra pair of symbols since I might build the Thermionic 3 Pi or 4 Pi some day. I plan on getting a pair of Alpha 12 or Alpha 15 drivers when I pick up the Alpha 10 drivers in Germany.

system and the 2 Pi speakers for my little 2x14W 6V6GT PP tube amp./Erik

Subject: Re: I'll send some today.

Posted by [Wayne Parham](#) on Mon, 15 Jul 2002 20:44:38 GMT

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Write to me at Wayne@PiSpeakers.com

Subject: You got mail!

Posted by [Erik Johansson](#) on Mon, 15 Jul 2002 20:51:02 GMT

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