

---

Subject: 2Pi Tower tuning

Posted by [Norbert](#) on Sat, 31 Dec 2005 00:38:29 GMT

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

---

Seasons greeting everyone!! finally got around to read the book titled " Designing, Building, and Testing Your Own Speakers System" by David B. Weems... Overall a good book since it helped me further fine tune my 2 Pi towers and I would like to share it with the group. Here is what I did:From day one, I always thought my 2 Pi towers was a "little" bright and loud... this could be due to many things, speaker efficiency (a good thing), room acoustics (not much I can do), etc Anyways, one of the things that David Weems noted in his book was that if the speaker sounds loud chances are it needs more insulation. Since I already have three of my internal walls lined with R-13 insulation I proceeded with filling all four sides with insulation and sure enough the sound got much "quieter" to a point that it lost all the sound stage I came to associate with the 2Pi tower. After further experimentation I ended up with insulation on three sides and the fourth side is insulated except for the top 1/5 th of the length. After this experiment, I noticed that not only I was able to maintain overall staging, the 2 Pi is not as loud as before, but also there is now added depth to the sound which is a big plus. I now find my 2 Pi's even more enjoyable!!!P.S. Some clarification about the insulation on the fourth wall. The fourth wall insulation in my case is the side wall starts 9 inches below the the top. Also, I've tried to increase vent depth by 10 inches and did not notice any increase in bass. Happy listening.

---

---

Subject: Re: 2Pi Tower tuning

Posted by [Wayne Parham](#) on Sat, 31 Dec 2005 16:28:07 GMT

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

---

Another place you'll want to add insulation is on the cross-braces. Place a sheet of R13 on the cross-braces, spanning the cross-section of the cabinet. It will look like partitions inside the cabinet separated by sheets of R13. This will capture and attenuate midrange and midbass frequencies while letting the bass pass right through.

---

---

Subject: Re: 2Pi Tower tuning

Posted by [Norbert](#) on Sat, 31 Dec 2005 18:56:21 GMT

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

---

I forgot to mention that I have already done that (as per your previous suggestion to me). Thanks.

---