Subject: Re: Pi 4.5 possible?
Posted by Infrasonic on Sun, 18 Jul 2010 08:19:47 GMT
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Wayne Parham wrote on Sat, 17 July 2010 08:24
We've discussed this approach several times, and I think it's a good idea but I think the multisub approach is even better. Of course, you can employ both approaches but if you have to chose one, I'd go multisubs. Take those "helper" woofers out of the main loudspeaker cabinets and place them somewhere else in the room.
2.5 way using two JBL 2226
Upon further investigation...
Multisubs

Hi, Wayne.
I was originally going to build the Pi4 as is as my next DIY project. These would replace my current left, center and right speakers. I also run a twin vented 18" subwoofer system with two more 18" drivers in storage. I plan to make them into a qual sealed subwoofer system. I will have the multisub configuration in addition to having a trio of Pi4's.

I was hoping I could have a working 2.5way version of your Pi4 with dual 2226H's. The link about the 2.5way is a good resource, thank you. I may have questions about your crossover and the 2.5 approach from that thread though. That guy had 16ohm versions of the JBL 2226.

EDIT: Actually, I do have a question about your response to his thread. In there you mentioned, "Run the bottom woofer off the midwoofer crossover output, but add a large coil in series to limit its output to the bass range.". Just to be clear on this, he can get away with having both woofers hooked to the lowend output of your Pi4 crossover (with an extra filter for the bottom woofer in series for that output) and not have to modify your crossover? It looks like I couldn't do this simply like he did as the final load would be 4ohm. Everything else I can make work. I know the cabinet stuff and all that but the way I handle the crossover always goes over my head. What am I to do? I want to use your crossover network and have two 2226H's.

Would I be able to have the the top woofer run off the crossover and the bottom just with a 1st order filter around 150hz or would that not work?

Bill Epstein wrote on Sat, 17 July 2010 19:30The 4648s a lot of us got during the tent Sale had 2226Js, 16 ohm drivers, and I suspect that's what you'll find. If so, it's a good thing; the combined 8 ohm load is more benign to an amp, especially a tube amp.

I played around a bit with the old 4Pi crossover and 2 -2226Js back then. The resulting bass seemed way more solid than the 3dB arithmetic boost would indicate.

You say you got 3- 4648As. Well then, use 2 as is for subwoofer duty and take the woofers from the third to build conventional 4Pis. Then play the opening of Lord Of The Rings, the battle at the Black gate. better yet, cut 22 and on of the Boston Concert side of the Police Live SACD. Turn it ALL the way up.

The guy who sold them to me had two versions for sale and I requested the 4648A and not the 4648A-8. This one came with two 2226H's. I wanted this because I knew I was going to build a Pi4. I haven't received them yet so I cannot confirm but I should have them soon.

Also, I don't use tube amps at all. I have a regular home theater receiver but may upgrade to external pro amps later. I like your advice though. Talk about rock the house audio! That's what I am trying to do but with even more speakers.
