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Subject: Time to set up the new room!

Posted by [SteveBrown](#) on Tue, 10 May 2011 18:59:35 GMT

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Well, after 6 months in a small downtown condo we are now moved into our new home and, once I dig my way through about 120 more boxes, I'll be ready to start setup of the new room. We had one of the bedrooms (about 12x13) set up for audio - insulation in all walls, ceiling and floor, dedicated outlets, closet removed for a bit more space. Now I have to fit in my speakers (similar to 4pi) and a BUNCH of equipment. I'm worried about the acoustics. Hey anyone from Portland in the forum?? Maybe we do an audio gathering and you can help me tweak?? (Oregon)

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Subject: Re: Time to set up the new room!

Posted by [Wayne Parham](#) on Tue, 10 May 2011 19:56:14 GMT

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Hey, Steve, great to hear from you! Man, that moving stuff is a pain, isn't it?

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Subject: Re: Time to set up the new room!

Posted by [Roxie](#) on Wed, 11 May 2011 00:38:39 GMT

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Congratulations on the new house!!! It is a pain in the you know what the actual packing and unpacking. However, once everything is in its place, there is a great sense of peace and accomplishment. It seems that you have a few good audio projects in your hands. I wouldn't even know where to start, but you sound like someone that knows what you are doing. Enjoy your new digs!

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Subject: Re: Time to set up the new room!

Posted by [Norris Wilson](#) on Wed, 11 May 2011 02:51:13 GMT

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Hi Steve,

That is great news that you have moved in to the new house.  
Now, life may actually seem like it is back to normal again.  
Congratulations on your move, a blessing in disguise.

As small as your new audio room is, you may have to treat it with bass traps and the likes.

Keep us informed of your progress along the way.

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Take care

Norris

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Subject: Re: Time to set up the new room!  
Posted by [SteveBrown](#) on Sun, 15 May 2011 03:53:12 GMT  
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Thanks all for the comments. Something has to be done. Ella is only showing up in two dimensions and well all know she absolutely needed 3! I have no depth, though the left - right separation is good. I put some sound absorbing panels behind my listening position, didn't seem to help. The room is fairly dead, I had insulation stuffed in all walls, floor and ceiling, still, not a great sound stage. Maybe the speakers are just too big for the space? Help!!

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Subject: Re: Time to set up the new room!  
Posted by [Bill Epstein](#) on Sun, 15 May 2011 14:08:31 GMT  
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I'm getting good depth with the speaks against the wall.

Maybe the missing ingredient is the TV?

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Seriously, tho' you could have over-damped the walls. Ask Ethan Weiner on the Rives Forum

#### File Attachments

1) [IMG\\_1886\\_1.jpg](#), downloaded 3286 times

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Subject: Re: Time to set up the new room!  
Posted by [SteveBrown](#) on Mon, 16 May 2011 01:55:02 GMT  
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Bill, what are the dimensions of your room?

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Subject: Re: Time to set up the new room!  
Posted by [Bill Epstein](#) on Tue, 17 May 2011 03:22:52 GMT  
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11'-10" x 14'-10"

In the pic you can't see, just to the right of the right speaker, the 3x3 landing at the bottom of the

stairs and the diagonal opening to the stairway as they go up; you know, every townhouse you've ever seen.

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Subject: Re: Time to set up the new room!  
Posted by [colinhester](#) on Thu, 19 May 2011 17:18:56 GMT  
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Steve, Have you tried toe-in, focusing a few feet in front of your listening position?

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Subject: Re: Time to set up the new room!  
Posted by [gofar99](#) on Sun, 22 May 2011 15:53:56 GMT  
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Hi, Setting up a room can be a real trip. I've done it twice in the past year and it has come out fine. I have a program (MS Excel) that can help. You plug in the room dimensions and a few other things and it gives you a graph of the nulls and peaks. It does a pretty good job. With it you can fiddle with the listening position to fix a few things. I doesn't account for wall and floor coverings and similar things you might do to finish the job. I attached the program. The values in it now are just junk, so put in your own after you save it to someplace. I changed the extension to .xll as some browsers won't pass .xls ones (with good reasons).

#### File Attachments

1) [frequency-response.xll](#), downloaded 226 times

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Subject: Re: Time to set up the new room!  
Posted by [SteveBrown](#) on Mon, 23 May 2011 18:44:22 GMT  
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Hi Colin! Yes, I've tried toe in, flat, pulled into the room, pushed back, etc. What I tried with good results this weekend was simply to use smaller speakers. I may end up going that route, it really gave better image depth and I could bring them out from the front wall a bit more.

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Subject: Re: Time to set up the new room!  
Posted by [spkrman57](#) on Tue, 12 Jul 2011 16:35:11 GMT  
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SteveBrown wrote on Mon, 23 May 2011 13:44What I tried with good results this weekend was simply to use smaller speakers. I may end up going that route, it really gave better image depth and I could bring them out from the front wall a bit more.

Steve,

Well if you did not move so far away from me it would be easier to help you out!

My 12' x 16' livingroom works out pretty good, but the big thing is to get a good synergy between your spkrs and amp!

I doubt that there is too much damping in your room, just need to maybe swap the amps or spkrs to see which give the best results in your new audio room.

Send me a round-trip plane ticket and I'll fix your problem!!! LOL

Regards, Ron

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Subject: Re: Time to set up the new room!

Posted by [SteveBrown](#) on Fri, 15 Jul 2011 22:52:46 GMT

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Ron, thanks for the advice and the offer to get you a ticket.. I think I've got it fairly well dialed in now but using smaller speakers on top of subs. The speakers are vintage Lafayette (very high eff) SK-128's with a helper tweeter in a vented cabinet. I have no idea what the right cabinet should be since I don't have a woofer tester, they're just stilling in a cabinet I had laying around (about 1 cu ft). I could probably optimize this and even get rid of the subs. The speakers go to about 70hz as is. Being a 60's design I'd guess they need a bigger cabinet. They are 8". Maybe time to invest in a tester?

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