Subject: Pi 7 and pi 6
Posted by dom_ on Fri, 14 May 2010 20:39:06 GMT
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Hi I was wondering if you could email both of these plans over to me?

My room is 15 feet by 23 feet with a 9 foot ceiling so not really sure which would be best.

Thanks
Dom

Subject: Re: Pi 7 and pi 6
Posted by Wayne Parham on Sat, 15 May 2010 01:21:45 GMT
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They're both very similar. The only differece is the woofer.

Subject: Re: Pi 7 and pi 6
Posted by dom_ on Sat, 15 May 2010 07:33:00 GMT
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Do you think it would be more sensible to go with the 12" driver in that size room?

I was reading up on PaulW's log on hifiwigwam and he seemed to have some fun taming the bass in his room.

edit: woops! actually measured my room it is 13x17x9feet. Seems my guess was miles out

Subject: Re: Pi 7 and pi 6
Posted by Wayne Parham on Sat, 15 May 2010 23:07:41 GMT
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which results in a gentle, gradual rolloff curve. This alignment is pretty room friendly, and tends to sound smooth in most rooms but, of course, some rooms are more troublesome than others. Where room modes are a problem, I would suggest running multiple subwoofers blended with the mains.
Multisub configurationThe choice of woofer isn't really a matter of alignment or room loading,

since each of them are similar, with the same slightly overdamped response. The biggest differences are in cost and other things. Here is a sort of overview of each woofer option:

midrange and very cost effective

efficiency and power handling

distortion and better thermal control

distortion and higher efficiency

Subject: Re: Pi 7 and pi 6
Posted by dom_ on Sun, 16 May 2010 07:58:03 GMT
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Thanks for that being doing a good bit of reading up too.

Would you send the 6pi plans over?

One other question I couldn't seem to find an answer for, how much room do you need for the horn at a minimum. As in how much wall. I have a fireplace in my room which would be between the speakers that sticks out a foot into the room.

Thanks again,

Dom

Subject: Re: Pi 7 and pi 6
Posted by Wayne Parham on Sun, 16 May 2010 19:54:05 GMT
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You really need about 6 feet minimum, but things like bookshelves and fireplaces are usually OK. You don't want an open doorway or hall entrance within about 6 feet though, and further is better.

Plans on the way!

Subject: Re: Pi 7 and pi 6
Posted by dom_ on Sun, 16 May 2010 21:06:35 GMT
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Excellent thank you

Dom

Subject: Re: Pi 7 and pi 6
Posted by PaulW on Thu, 20 May 2010 23:02:09 GMT
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dom_ wrote on Sat, 15 May 2010 02:33Do you think it would be more sensible to go with the 12" driver in that size room?

I was reading up on PaulW's log on hifiwigwam and he seemed to have some fun taming the bass in his room.

edit: woops! actually measured my room it is 13x17x9feet. Seems my guess was miles out
Hi Dom - given that you are already using a large pair of Tannoy's I would expect any bass issues to be the same as you currently are experiencing! As for me, going back over the whole process, the bass problems were more than just room based.

The standard power amp transformers were fairly low spec on the Paramours - magneQuest transformers go deeper, but exhibit far better control.

I was not used to hearing those room modes in anything other than perhaps a positive benefit for my tiny speakers - gave them a much needed bass boost.

The room itself is very solidly constructed and a bit 'unforgiving'

Now the multisub approach really did work - borrowed a few subs from people, but dismissed this as I didn't want all the extra wiring runs, plus only one sub was 'auto on' and switching on the turntable, CD player, phono stage, preamp, two power amps all followed by 3 extra subs was not for me! In the end I went for passive bass traps.

Paul
