
Subject: My new 4Pis

Posted by [Fstein](#) on Thu, 04 Sep 2014 02:31:11 GMT

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Here are my new 4 Pi' s driven by a flea-powered Magnavox. There is a Paradigm Servo-15 sub to the left. Despite 18 inch bases, Have a midbass hump - working on placement

File Attachments

- 1) [IMG_9732.jpg](#), downloaded 4580 times
 - 2) [IMG_9733.jpg](#), downloaded 7765 times
 - 3) [IMG_9734.jpg](#), downloaded 4601 times
 - 4) [IMG_9735.jpg](#), downloaded 4607 times
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Subject: Re: My new 4Pis

Posted by [tubemax](#) on Thu, 04 Sep 2014 09:36:57 GMT

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Hi Fstein,

Your 4 Pi's look great in RED!

But it looks like you don't have bass ports in your speakers, at least they are not visible from damping material, could this be the reason for bass problems?

Subject: Re: My new 4Pis

Posted by [Fstein](#) on Thu, 04 Sep 2014 12:58:19 GMT

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there is a bass port on the front at 11 o'clock

Subject: Re: My new 4Pis

Posted by [Wayne Parham](#) on Thu, 04 Sep 2014 15:23:08 GMT

I just love the looks of those speakers in red! Especially with the red amp and stereo rack. Love that amp, by the way. It's awesome!

When you have the time and/or budget, please do setup some flanking subs. Those have a specific purpose, which is to smooth the upper midbass and lower midrange. They should be placed just beside, below and behind the mains, one for each side. They should overlap the mains up to 150-200Hz or so, with a low-pass having slow gradual rolloff.

This is not how subs are normally run - Most times, subs are low-passed with steep slopes and crossover is done lower, usually below 100Hz and sometimes as low as 80Hz or even 60Hz. This is perfect for a distant distributed sub or two, which may also be helpful for smoothing the lowest frequency mode or two. But in the midbass and midrange, we're talking about acoustic scale of just a few feet, so the subs need to be closer to the mains to get the same results. The idea is to blend the sound sources (mains and subs), and that way where one source gets self-interference from a boundary, the other does not and vice-versa. The flanking sub approach averages the sound field in the midbass and midrange.

You really have a difficult environment, and that's where flanking subs and distributed multisubs help most. Every surface is rigid, with brick walls and hardwood floors, all reflections are very loud. Self-interference and room modes are very strong in your room. Damping would help a great deal, but you can't do that without totally changing decor. So flanking subs become extremely important, because the room effects are so strong.

Subject: Re: My new 4Pis
Posted by [justphil](#) on Fri, 05 Sep 2014 02:22:45 GMT
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Your 4 Pi's look great in RED!
But it looks like you don't have bass ports in your speakers, at least they are not visible from damping material, could this be the reason for bass problems?

I think what he is getting at is this.
Isn't the port supposed to be a boxed in area "X" amount of inches deep into the speaker cabinet?
It looks as though you just created the opening instead of boxing it in. But as he stated perhaps you filled in the boxed area with damping material.

Subject: Re: My new 4Pis
Posted by [tubemax](#) on Mon, 08 Sep 2014 11:19:14 GMT
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Hi Justphil,

Yes, I was thinking about same thing, here is the picture of how it should look from inside...

File Attachments

1) [4Pi.jpg](#), downloaded 3880 times
