Subject: 2Pi Speakers
Posted by gnanamu on Wed, 09 Sep 2020 13:58:54 GMT
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Hi Wayne,

I am looking forward to build Pi Bookshelf or Tower. Actually I liked 4 Pi, but I do not have much experience on Speaker building on my own, so I will stick to 2 Pi speaker now it looks simple overall, maybe someday I will try to build 4Pi. I have sourced the driver parts for 2Pi here in India.

Can you please share Plans for both bookshelf and tower.?

Thank you,
Gnana

Subject: Re: 2Pi Speakers
Posted by Wayne Parham on Wed, 09 Sep 2020 19:07:00 GMT
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You've got mail!

Subject: Re: 2Pi Speakers
Posted by gnanamu on Tue, 03 Nov 2020 18:02:12 GMT
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I decided to build 2pi bookshelf, towers seem to be huge. Completed the build this weekend. It sounds awesome, I Love the speakers.

Thank you so much for the Plan. I have added some of the pictures here.

Gnana

File Attachments
1) 55.jpeg, downloaded 813 times
2) 6.jpeg, downloaded 883 times
3) 7.jpeg, downloaded 886 times
4) 1.jpeg, downloaded 913 times
5) 3.jpeg, downloaded 903 times
6) 2.jpeg, downloaded 902 times
7) 4.jpeg, downloaded 889 times
8) 5.jpeg, downloaded 885 times

Subject: Re: 2Pi Speakers
Posted by Wayne Parham on Tue, 03 Nov 2020 23:44:04 GMT
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Those look very nice. Very nice indeed!

Subject: Re: 2Pi Speakers
Posted by tom-m on Sun, 08 Nov 2020 00:45:17 GMT
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Yes, a very nice build. Thanks for posting pics!

tom

Subject: Re: 2Pi Speakers
Posted by gnanamu on Sun, 08 Nov 2020 16:26:39 GMT
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Thank you Wayne, Thank you Tom-m.
Here a few more pics.

File Attachments
1) 9.jpeg, downloaded 837 times
2) 8.jpeg, downloaded 841 times
3) 91.jpeg, downloaded 813 times

Subject: Re: 2Pi Speakers
Posted by gnanamu on Sat, 28 Nov 2020 11:59:43 GMT
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Wayne, I am planning to build 1Pi for surrounds, apart from size any difference in crossover and port size?
Also, I want to build a Center speaker like MTM style below the screen because of the space constraints. thinking about using a 2 Alpha-6C (4 ohms) with DX25 tweeter. would the same crossover suffice?

Thank you,
Gnana

Subject: Re: 2Pi Speakers
Posted by Wayne Parham on Sat, 28 Nov 2020 15:21:37 GMT
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The one Pi and two Pi use the same crossover and tweeter, but the midwoofer, box and port are different.

As for a center channel, I wouldn't suggest a horizontal arrangement because the lobes and nulls spread out horizontally, making the whole listening area be covered with them.

You might consider using a coaxial speaker.

Subject: Re: 2Pi Speakers
Posted by gnanamu on Thu, 03 Dec 2020 15:43:32 GMT
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Thank you, Wayne

I was looking into a few Coaxial drivers from Celestion FTX0820 and others.
https://celestion.com/product/147/ftx0820/
frequency response is not smoothest, lots of dip and bumps. Does this mean the response of the speaker builds may also have the same problem?

What about BETA-8CX with ASD:1001, will it possibly match the 2PIs?

Now I read a little about lobes problems of the horizontal alignment of double woofers for the center channel. Just curious, if we move the woofers close to each other and move the tweeter up will it improve the lobe and null problem?

BTW, please share 1Pi plan.

Thank you
Gnana

Subject: Re: 2Pi Speakers
Posted by Wayne Parham on Thu, 03 Dec 2020 16:01:54 GMT
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Putting the drivers closer together moves the nulls out further. But the size of the radiators prevents them from being close enough to move the nulls very far. So there is no way to make a horizontal array without having troublesome nulls.

The Beta-8CX might be a relatively close acoustic match. But the one Pi definitely would be, so I've sent plans.
