Subject: Audition in Austin
Posted by Nick77 on Sun, 20 Feb 2011 23:34:15 GMT
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Hi i am looking to audition a pair of 4pi here in Austin Tx.

Anyone have a pair locally? Thanks....

Subject: Re: Audition in Austin
Posted by Wayne Parham on Mon, 21 Feb 2011 05:27:23 GMT
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balance, same controlled directivity. So join us in Dallas if you can!

Subject: Re: Audition in Austin
Posted by CZ Eddie on Tue, 22 Mar 2011 14:44:31 GMT
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I had to sell my gear for an emergency. Will be back at some point though. Check with me in six months if you're still interested at that time.

Subject: Re: Audition in Austin
Posted by Muzikal-JRNE on Tue, 22 Mar 2011 18:36:28 GMT
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CZ Eddie wrote on Tue, 22 March 2011 09:44I had to sell my gear for an emergency. Will be back at some point though. Check with me in six months if you're still interested at that time.

http://www.avsforum.com/avs-vb/showthread.php?t=1323071

Wish you a speedy recovery man!

Cheers, Joe

Subject: Re: Audition in Austin
Posted by Wayne Parham on Tue, 22 Mar 2011 18:50:24 GMT
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Oh, my, yes - Godspeed on your recovery!

How are you doing?

Subject: Re: Audition in Austin
Posted by CZ Eddie on Tue, 22 Mar 2011 19:33:13 GMT
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lol... at the time it was to replace my Cousins ATV that I killed.

I am going through another setback at the moment though, in the form of surgery for my hand tomorrow. You probably read about that on the AVS link above. All should be fine though. Thanks!

This just gives me the opportunity to reacquaint myself with 70's and 80's gold ("high end" Craigslist speakers) and it's kind of fun.

Subject: Re: Audition in Austin
Posted by Nick77 on Tue, 25 Oct 2011 00:47:24 GMT
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Wasnt able to make LSAF this year but still looking to audtion the Pi4. Thanks.....

Subject: Re: Audition in Austin
Posted by Nick77 on Tue, 10 Jan 2012 14:44:44 GMT
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Nick77 wrote on Sun, 20 February 2011 17:34Hi i am looking to audition a pair of 4pi here in Austin Tx.

Anyone have a pair locally? Thanks....

Still hoping to audition Pi4's, do most people build these with out listening first??

Thanks

Subject: Re: Audition in Austin
Posted by Wayne Parham on Tue, 10 Jan 2012 16:25:40 GMT
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away, and I think you'll find it worth your two-hour drive. Bring some Rudy's BBQ when you come.

Subject: Re: Audition in Austin
Posted by CZ Eddie on Tue, 10 Jan 2012 17:22:01 GMT
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Wayne Parham wrote on Tue, 10 January 2012 10:25

away, and I think you'll find it worth your two-hour drive. Bring some Rudy's BBQ when you come.

Awesome!
I had a good time at last years Lone Star Audio Festival in Dallas. I liked what I heard from the

---

Subject: Re: Audition in Austin
Posted by gofar99 on Thu, 12 Jan 2012 21:45:32 GMT
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Hi Wayne, A bit OT, but what is the F3 on the subs...

Subject: Re: Audition in Austin
Posted by Wayne Parham on Thu, 12 Jan 2012 21:57:46 GMT
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See the spec sheet below:

Subject: Re: Audition in Austin
Posted by Nick77 on Wed, 25 Jan 2012 13:52:36 GMT
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Hi Wayne I am considering moving forward on pi4 project.

I have located 1" mdf locally and just wanted to make sure there were no issues with heavier product as long as I compensate with dimensions. I like to build a extra solid box.

Subject: Re: Audition in Austin
Posted by Wayne Parham on Wed, 25 Jan 2012 13:57:27 GMT
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That's fine. Just make the box slightly larger to compensate.

Subject: Re: Audition in Austin
Posted by Nick77 on Mon, 05 Mar 2012 14:53:40 GMT
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Well I have been trying to audition the Pi4 for over a year now and finally decided to just proceed. I have purchased my last 3 speakers w/o hearing them first so why stop now.

Anyway my current speakers are GR Research OB/7 open baffle speakers and I have enjoyed them but looking for something new in a high sensitivity design.

I am somewhat familar with Gedlee's stuff having heard the Nathans on several occaisons. I have several audio buddies running Abbys and rave about them.
I was somewhat nervious letting my OB/7's go cause they are quite resolute, but waf appeal was low. I also was unable to have any room treatments in the family room which is helpful with open baffle design.
I do intend to use the DE250 and JBL 2226 upgrades.

Auditions available in Austin soon.

Subject: Re: Audition in Austin
Posted by Nick77 on Tue, 06 Mar 2012 11:51:47 GMT
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I didn't care for the glossy shine on the horns so I took some steel wool to them to tone it down. They look much better now.

I wittled away at the horn bolt openings with a razor knife for some time getting the nuts on the bolts. Finally dug out a sanding wheel dremil attachment and made easy work of it on the second horn.

How tight do you attach the compression drivers, just compress the lock washers??

Subject: Re: Audition in Austin
Posted by Wayne Parham on Tue, 06 Mar 2012 14:02:20 GMT
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I apply 10ft/lbs. It compresses the lock washers, and then maybe about a sixteenth of a turn more. It's really easiest to do with an open end wrench.

Hey, did you use the two opposing studs/nuts to attach the driver to the horns? Or did you use three? I ask because I've done a ton of these and never had to remove any material. But I know some people do feel the need to remove material to access the bolts. Seems like they are all using the three bolt holes, which are uncomfortably close to the support structures.

Subject: Re: Audition in Austin
Posted by Nick77 on Tue, 06 Mar 2012 14:10:33 GMT
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I used the three bolt pattern. I realized by lifting the driver up a little it made spinning the nut a little eaiser but im pretty sure removing a little plastic was neccessary.

Subject: Re: Audition in Austin
Posted by gofar99 on Tue, 06 Mar 2012 15:26:51 GMT
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Hi Nick, Which BGs are those in the new speakers? What crossover freq/slope did you use on them. I ask as I have a quad of BGs here that I never used for a still born project and it might just give me the push to finish it.

Subject: Re: Audition in Austin
Posted by Wayne Parham on Tue, 06 Mar 2012 15:36:51 GMT
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Nick77 wrote on Tue, 06 March 2012 08:10I used the three bolt pattern. I realized by lifting the driver up a little it made spinning the nut a little eaiser but im pretty sure removing a little plastic was neccessary.
Yeah, the three-hole pattern is a bit dodgy. I never use that position because the two-hole mounts work perfectly, with no adjustment necessary.

Subject: Re: Audition in Austin
Posted by Nick77 on Tue, 06 Mar 2012 16:41:29 GMT
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Wayne Parham wrote on Tue, 06 March 2012 09:36
Nick77 wrote on Tue, 06 March 2012 08:10I used the three bolt pattern. I realized by lifting the driver up a little it made spinning the nut a little eaiser but im pretty sure removing a little plastic was neccessary.
Yeah, the three-hole pattern is a bit dodgy. I never use that position because the two-hole mounts work perfectly, with no adjustment necessary.

Yup, you can say that again. Fell prey to the old more is better routine. Well now I know the two bolt pattern is good.

Subject: Re: Audition in Austin
Posted by Nick77 on Tue, 06 Mar 2012 17:25:06 GMT
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gofar99 wrote on Tue, 06 March 2012 09:26Hi Nick, Which BGs are those in the new speakers? What crossover freq/slope did you use on them. I ask as I have a quad of BGs here that I never used for a still born project and it might just give me the push to finish it.

BG Neo3, not sure of the slopes, GR design.

Subject: Re: Audition in Austin
Posted by Nick77 on Tue, 06 Mar 2012 23:45:34 GMT
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I had high hopes of using premium caps but took a major shellacking on the re-sale of my speakers. So ive ended up having to utilize some stuff on hand (hopefully not a major issue mixing caps??). I am planning on external XO's so i can tweak and upgrade as finances allow. Geeez those big caps are pricey.

A quick layout to determine size of board for building external XO box.

Subject: Re: Audition in Austin
Posted by mgalusha on Wed, 07 Mar 2012 18:40:32 GMT
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Very cool. I'm living vicariously through you since it's still too cold here to do much in the garage and start my Four Pi project.

mike

Subject: Re: Audition in Austin
Posted by Nick77 on Fri, 09 Mar 2012 23:14:18 GMT
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Seemed like an inexpensive insurance policy against any potential ringing.

Subject: Re: Audition in Austin
Posted by Nick77 on Fri, 23 Mar 2012 23:30:49 GMT
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Finally got some time to cut some mdf, pulled out the old trusty table saw and installed a new blade. Cuts thru mdf like butter.

Picked up a new Jasper jig to do the circle duty.

Decided to use 1" thick mdf for a good solid cabinet and recess the drivers. Failed to think about creating twice the work. hehe

---

Subject: Re: Audition in Austin
Posted by Nick77 on Fri, 23 Mar 2012 23:33:55 GMT
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If all goes well i should be able to get cabinets glued up this weekend. Yeah!!!

Subject: Re: Audition in Austin
Posted by Wayne Parham on Sat, 24 Mar 2012 02:59:03 GMT
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Good work! I'm excited for you, 'cause you're almost there!

Subject: Re: Audition in Austin
Posted by gofar99 on Sat, 24 Mar 2012 15:03:03 GMT
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Hi, Great looking wood working. My skills in that area are better suited to making orange crates.

Subject: Re: Audition in Austin
Posted by Nick77 on Sat, 24 Mar 2012 16:06:47 GMT
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Okay now i am getting excited.....

Subject: Re: Audition in Austin
Posted by Nick77 on Sun, 25 Mar 2012 00:25:12 GMT
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Got a box glued up, and dry fit.

Here is the one were all waiting for.

Subject: Re: Audition in Austin
Posted by Wayne Parham on Sun, 25 Mar 2012 13:45:34 GMT
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Lookin' good!

Subject: Re: Audition in Austin
Posted by Nick77 on Sun, 25 Mar 2012 23:30:32 GMT
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Improvision at its finest:

Wayne you're right cabinets can be built in a weekend, but it is a lot of work.

Subject: Re: Audition in Austin
Posted by Nick77 on Mon, 26 Mar 2012 00:41:54 GMT
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I need to fill a few boo boo's, any recomendations??

Bondo? Elmers wood filler any good?

Subject: Re: Audition in Austin
Posted by Nick77 on Mon, 26 Mar 2012 10:24:21 GMT
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Also do you remove the paper back on the insulation even for top and sides or just the brace?

Subject: Re: Audition in Austin
Posted by Wayne Parham on Mon, 26 Mar 2012 13:06:41 GMT
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Remove the vapor barrier (paper backing) from the insulation before installing it. That goes for wall linings as well as the cross-section piece.

As for wood filler, we really want guys like Epstein to chime in here because they do more woodworking than I do. I know there are purpose-made wood fillers that I'd rather use to fill a hardwood, but I'm not sure that's the best for MDF. I can't imagine you'd go wrong with that stuff though.

Subject: Re: Audition in Austin
Posted by mgalusha on Mon, 26 Mar 2012 14:40:54 GMT
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I've used auto body filler for small areas of MDF and it worked well. Make sure the area is clean.

Subject: Re: Audition in Austin
Posted by Nick77 on Fri, 30 Mar 2012 01:06:47 GMT
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A little more progress, got the braces in and wiring set up. Decided to finish in a walnut veneer.

The wife wanted a dark finish, so i give you dark walnut Pi4!

The baffle is a Duratek black crinkle finish, I like it. Might have to touch it up a little after all is said and done.

Subject: Re: Audition in Austin
Posted by Wayne Parham on Fri, 30 Mar 2012 01:29:39 GMT
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Lookin' good! Coming right along!

Subject: Re: Audition in Austin
Posted by Nick77 on Fri, 30 Mar 2012 15:15:45 GMT
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Wish the xo was built, but there sure look the part.

Subject: Re: Audition in Austin
Posted by Nick77 on Fri, 30 Mar 2012 16:12:45 GMT
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Here is the pair of bad boys, one driver is a little lighter in color than the other. It appears one has a protective coating and the other doesnt. Is the exact product available to treat the other driver??

Subject: Re: Audition in Austin
Posted by Wayne Parham on Fri, 30 Mar 2012 18:47:08 GMT
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Cones that have been exposed to sunlight get lighter in color like that. I've seen 'em turn almost white. It doesn't have to be direct sublight either - They'll get lighter even if they're exposed to indirect sunlight long enough, like in a sunroom or in a car. I suspect that's all that has happened, and I wouldn't be concerned if that's all that appears different.

But when in doubt, check it out - there are lots of cheap recones out there that look just like

genuine parts but don't measure anywhere close.

Do not apply anything to either cone to change its color. If you do, you risk ruining the driver. It may look better, but it also may measure worse. You can't apply a product to the surface without changing the characteristics of the cone. There's nothing about that cone I want to change, so don't do it.

If the difference in color is bothersome, I might be inclined to expose the darker one to sunlight for a while until its color matches. This is a long process though, so if that's not something you want to do, just take 'em both to a place to see about reconing. They'll probably only have to do one, but it wouldn''t hurt to have them both checked. If you don't know who to trust, call David Miller at Speakerworks. He'll get you fixed up.

Subject: Re: Audition in Austin
Posted by Nick77 on Sat, 31 Mar 2012 17:50:59 GMT
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Well I can repeat what I often read, boy these get loud!

I still have caps breaking in and all but I am quite pleased with what I am hearing. They have a very big sound, I can't hardly imagine supplimenting with bass for music. They sound great by themselves. There is certainly an absense of distortion I am both getting used to and enjoying.

I will check back with a little more hours on these. Do the ports go on the inside or out?

Big thanks to Wayne for a great design!!

Subject: Re: Audition in Austin
Posted by Wayne Parham on Sun, 01 Apr 2012 01:13:03 GMT
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It doesn't matter much what side the port is on, and I've run 'em both ways. In most of my speakers, it actually doesn't matter at all, but I like running the ports on the outside. Mostly, I think

than the ports be inboard on these.

The offset tweeter throws the forward lobe slightly at a diagonal. Centerline of the forward lobe is still straight out in front, but the outside edges of the forward lobe are +/-25° on an arc that passes through the woofer and tweeter centerline. So that makes the upper null slightly offset one way and the lower null slightly offset the other. If the tweeter is outboard, then so is the upper

null. That is good for "aiming" the ceiling slap away from the listeners.

...This is such butterfly wings flapping minutia you shouldn't care either way. You definitely can't hear the difference. But if you're a perfectionist, then that's probably the best way to set 'em up. You can get out the slide rule and the LMS measurements system and satisfy yourself that this is the better way.

Subject: Re: Audition in Austin
Posted by Nick77 on Sun, 08 Apr 2012 19:24:38 GMT
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Well I finally tired of sitting on the floor and threw together some stands. Ahhhhhh now were talking, sounding really goood!!

Subject: Re: Audition in Austin
Posted by Wayne Parham on Mon, 09 Apr 2012 13:04:14 GMT
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Excellent! Looks great!

Subject: Re: Audition in Austin
Posted by dutchswan0311 on Wed, 09 May 2012 16:50:07 GMT
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I didn't know there was an option between the three or two nuts. I used the three holes, and could not get the nut on with washers on first. I ended up just putting the nut on by itself and tightened it as hard as I could with needle nose pliers. Will my solution present issues in the future?

Subject: Re: Audition in Austin
Posted by Wayne Parham on Wed, 09 May 2012 18:40:20 GMT
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No, that's fine. It's just harder to get the nuts on the studs using the three-hole pattern mounts.
