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Subject: Another set of 4 pis - my first  
Posted by [JLapaire](#) on Mon, 03 Jun 2002 10:24:39 GMT  
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Gotta hand it to Wayne. I had a lot of trouble believing that a 15" 2-way system could sound the way everybody said they did, but they surely do. All the sweetness of my tweaked Buschorn MK2s, and they may be as accurate or more so, I need lots more listening time. Of course they have more range and play much louder. I went back and forth between WinISD and Wayne's PiAlign software, using his emailed box plans as a reference, to arrive at the box tuning. I mitered the panels, taped them together, glued them, then rolled them up a la Terry Cain because I couldn't think of any other way to hold all 8 sides together and straight. The sheen comes from 8 rubbed-in coats of Tung oil. No compound or wax yet. The horn flare is the PE el cheapo wrapped with Duct Seal. The port's in the back, which is finished like the fronts. Many thanks to everyone who answered my questions over the last few months while I got geared up to do this project. John

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Subject: nice work  
Posted by [Zeno](#) on Mon, 03 Jun 2002 10:49:47 GMT  
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real nice work what did you use on the finishes? i love them

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Subject: another fine job!  
Posted by [ToFo](#) on Mon, 03 Jun 2002 12:56:23 GMT  
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John, The 45'ed corners lend a vintage feel without being busy or antique. That makes the dark finish really work great IMO. Nice! Thomas

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Subject: Beautiful!  
Posted by [Wayne Parham](#) on Mon, 03 Jun 2002 13:27:46 GMT  
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Subject: What are the dimensions of your box?

Posted by [Linc](#) on Mon, 03 Jun 2002 14:14:28 GMT

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I have been debating building a pair of 4PI's but the width of the cabinets is too much. Do you know if your cabinet sounds much different than the specified design? thanks, Linc

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Subject: Re: What are the dimensions of your box?

Posted by [JLapaire](#) on Mon, 03 Jun 2002 14:55:25 GMT

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Hi Linc, I think they turned out to be 49.5" x 23.5" x 13" outside, which is slightly smaller than the original. I imagine the sound is very similar to the Theater 4 pi on stands, but can't say for sure. Wayne has suggested that some playing with the numbers won't hurt anything as long as you get the tuning right and space things to avoid standing waves. The width was the bugger for me too. John

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Subject: Tung oil and elbow grease! (nt)

Posted by [JLapaire](#) on Mon, 03 Jun 2002 14:56:51 GMT

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Subject: Pi logo will be the finishing touch (nt)

Posted by [JLapaire](#) on Mon, 03 Jun 2002 15:05:14 GMT

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Subject: Tell me your postal address and I'll send you some.  
Posted by [Wayne Parham](#) on Mon, 03 Jun 2002 15:34:54 GMT  
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Drop me an E-Mail with your postal address and I'll mail you a couple decals. Also, tell me if you want black, silver or gold. You've got a pair of great looking speakers!

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Subject: Re: Another set of 4 pis - my first  
Posted by [mikebake](#) on Mon, 03 Jun 2002 16:02:25 GMT  
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What woofer is that? And what HF driver?

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Subject: Re: What are the dimensions of your box?  
Posted by [Adam](#) on Mon, 03 Jun 2002 18:04:11 GMT  
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Dude, that's crazy. 8 cuft? Wow :PAdam

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Subject: Re: Great to see your progress!  
Posted by [mhammill](#) on Tue, 04 Jun 2002 00:16:58 GMT  
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I saw your earlier pictures during your assembly phase. Since we are working with close to the same dimensions it's good to see them next to the MKII. I also have a pair. It helps me reference the size in my livingroom. They look great. Beautiful design. Even though I have almost all the parts now, I still have to finish my 2pi tower rear channel pair before getting into the 4pi's. Great work. Later, Mike H

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Subject: Eminence  
Posted by [JLapaire](#) on Tue, 04 Jun 2002 08:13:07 GMT

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...right out of Wayne's recipe for the Theater 4 pi. Delta 15 and the bolt-mount version of the PSD2002. If I were to do it again I'd definitely buy the kit. They'd have been done a month ago for about the same price (except for the horn, 'cause the PE unit is such a steal).John

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**Subject: Got 'em already**

Posted by [JLapaire](#) on Tue, 04 Jun 2002 08:34:40 GMT

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I'm just waiting to put them on until I know if they're really finished or not. The Tung oil surface almost looks like it could use one more go-around. Next time I try a new finish, maybe it will be on something smaller. I could have built a spray booth in the time I put into finishing these things!John

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**Subject: Re: Eminence**

Posted by [RG](#) on Tue, 04 Jun 2002 10:24:55 GMT

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What is the "PE unit" ?

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**Subject: 269-109**

Posted by [JLapaire](#) on Tue, 04 Jun 2002 13:16:39 GMT

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It's a 6" x 16" cast metal bolt flange unit, part # 269-109. I just went over to the PartsExpress site to give you the URL for the horn, but it's been discontinued. That bites. The H290 is still a good deal though. John

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**Subject: Re: Another set of 4 pis - my first**

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Posted by [andy2667](#) on Tue, 04 Jun 2002 13:26:36 GMT

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Hello, How is the sound compared with your buschhorn MKII? Do the Pi 4 sound as smooth & coherent as the Buschhorn. Do the Pi has better bass? Do the bush horn image better. I am now using a diatone & not satisfied with its bass performance. I am considering to upgrade it. Pi 4 (or Pi 2) or the buschhorn are my candidates. Your comparison on the two speakers will be interesting & should be a useful reference to lots of fullranger & high efficiency addicts here. Thanksandy2667p.s. I am now using a 2A3 int amp. The diatone is extremely smooth but I am not satisfied with the bass and speed.

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Subject: Cool!

Posted by [Wayne Parham](#) on Tue, 04 Jun 2002 14:10:05 GMT

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Sorry I forgot. Lots of kits and plans and stuff going out the door and I forget sometimes.

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Subject: Re: Another set of 4 pis - my first

Posted by [JLapaire](#) on Tue, 04 Jun 2002 16:52:00 GMT

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Hi Andy, I haven't run them enough to break them in yet, but maybe I can leave them playing tomorrow when the house is empty to get some hours on them. I do have some first impressions though, to partially answer your questions: "How is the sound compared with your buschhorn MKII? Do the Pi 4 sound as smooth & coherent as the Buschhorn. Do the Pi has better bass? Do the bush horn image better." As regards bass, the Pi is considerably louder, so care must be taken when A-B-ing the two, and the Pi bass is deeper. The B-horn cuts off pretty fast under maybe 50 or 60 hz, the Pi keeps going, although not into "subwoofer" territory. The Pi has !!very!! satisfying slam and shows no strain at any level that I can stand (cranked up in my living room, they sound great at my neighbor's house 200' away, very clear and plenty of thump). Keep in mind that I use the 40-1197 in the B-horn, which is several db less sensitive than the FE103. So far, the B-horn images better. The Pi will place instruments left to right pretty well and is not as beamy, but the little horn re-creates a great stage. Break-in will probably make changes in details and nuances, though. The crossover is seamless, which really surprised me. I keep listening for problems in that region and don't hear any. Some instruments seem to reproduce more accurately with the Pi, but they're both very musical. The Pi sounds very big and "alive", I don't know another way to put it. If you have room for the big ones, I suggest building them both. John

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Subject: Re: Another set of 4 pis - my first  
Posted by [andy2667](#) on Wed, 05 Jun 2002 11:42:56 GMT  
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Hi John, Thank you for your review. My room is very small & the Buschhorn or similarly small size back loaded horn may be more suitable for me. However, I am concerned about their bass performance. Please keep us update on your comparison upon breaking in the Pi 4. Thanks Andy

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