
Subject: Assembled my 1 Pi cabinets yesterday

Posted by [Erik Johansson](#) on Mon, 22 Jul 2002 01:17:11 GMT

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Yesterday they were assembled using glue and 36 screws for each speaker. After a bit of sanding they look good but not 100% perfect, so they'll need some putty (that's what it's called right?) on an edge or two and over the countersunk screws before I'll start the veneering. Wayne, if I do like these speakers a lot, can I (if I think they lack bass) build a separate LF cabinet using the Alpha 12 or Alpha 15 (plan to get some in Germany when I go there) before I get the \$\$\$ to finish up a pair of Thermionic 3 Pi or 4 Pi? Also, how would a pair of 1 Pi with separate LF cabinets using the 12 or 15 inch drivers sound compared to the larger 3 and 3 Pi speakers?/Erik

Subject: Interesting specs...

Posted by [Erik Johansson](#) on Mon, 22 Jul 2002 01:36:32 GMT

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I found that the specs for the 3 Pi Stage and Pro states that it's lower frequency range is the same (50hz-) as the 1 Pi speakers. I find this interesting... Also, you seem to think that the 1 pi is lacking in the bass. Why is that really? I have heard many speakers with even smaller driver (6.5 inch) in smaller cabinets, having more than enough bass. I calculated that the volume of the 1 Pi cabinet is about 23 litres, which isn't small compared to normal bookshelf speakers./Erik

Subject: Re: Interesting specs...

Posted by [Wayne Parham](#) on Mon, 22 Jul 2002 04:46:30 GMT

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All of my speakers are high efficiency designs. For any given size, you can optimize for bass extension or efficiency. I think my speakers are a good balance between efficiency and extension - They all sound good without subs, but all could benefit from them. Adding subwoofers does more than just provide deep bass extension. It also serves to smooth room modes by averaging. Where a null might appear from a single bass sound source, another can be placed to fill in the hole. In this way, multiple bass sound sources can be used to provide deeper and smoother bass.

Subject: Re: Interesting specs...

Posted by [Erik Johansson](#) on Mon, 22 Jul 2002 05:31:42 GMT

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So that might be one reason that my ProAc Response 2.5 speakers are 83db/1W/1m efficient (Scan-Speak 18W/8535-00 and D2010/8513 drivers with bass down to 30-35hz). Could you send me the plans for the Theater 3 and 4 Pi in case I get the Delta 12LF or Delta 15 drivers in Germany?/Erik

Subject: Cabinet question...

Posted by [Erik Johansson](#) on Mon, 22 Jul 2002 05:35:10 GMT

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You know I was quite fond of the looks of solid pine Wayne. I'm wondering, now that I have built the cabinet in 16mm MDF, would it matter if I veneer it, or attach 18mm solid pine or solid beech to it?/Erik

Subject: You've got mail!

Posted by [Wayne Parham](#) on Mon, 22 Jul 2002 06:07:27 GMT

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Subject: Re: You've got mail!

Posted by [Erik Johansson](#) on Mon, 22 Jul 2002 06:16:09 GMT

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Changed to my family's email adress. I ran Pialign for the Delta 15 and came up with an internal volume of 5.2 cu feet tuned to 30hz. Could I build a pair of those and put the little 1 Pi speakers on top of them (saw the thread about the beautiful LF cabinets with 4 Pi speakers on top)? Also, I'd like the plans for the Theater 3 Pi as well because I do have a sand amp as well :) If I like these speakers a lot, I might set up a second more serious system in the future./Erik

Subject: Got the plans! (And port placement question)

Posted by [Erik Johansson](#) on Mon, 22 Jul 2002 07:19:06 GMT

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Since I'm using a 65mm ID (70mm OD) port. Is it ok to still place the port so that it's outer edges are 25mm (1 inch) from the side and bottom? The center of the port would then be something like 5-6mm off from the original placement./Erik

Subject: Port placement answer

Posted by [Wayne Parham](#) on Mon, 22 Jul 2002 07:50:15 GMT

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That's fine. We're talking about some pretty tiny differences here. Please be sure to post your photos and listening impressions when you finish your speakers.

Subject: Photo's

Posted by [Erik Johansson](#) on Mon, 22 Jul 2002 08:01:40 GMT

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I'll post photo's of our speakers. My friend will be using fake veneer with an adhesive backing (looks decent) and I will have some more work with real veneer. I hope to be able to take some snapshots today when building his speakers. The Pi logos showed up today! Thanks! Pretty fast for crossing the Atlantic isn't it?/Erik
