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Subject: Beginner seeks help with "the usual question"

Posted by [Tim Buchanan](#) on Tue, 22 Jan 2002 01:08:06 GMT

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Hi ya, A long time ago I bought some peerless 10" drivers with a view to making a cheap system that would have a good, low-end response. The drivers I bought are the 831727's (260 SWR). I now have the time to start building the cabinets but don't know what volume and port measurements to use! The data sheet for the driver can be found here:

<http://www.d-s-t.com/peerless/data/831727.html> got a some e-mails from E. Francy that were a great help, but I accidentally deleted them when I cleared out my back log of e-mails (sorry Eric)! I think he suggested a box size of about 60 litres (2.1 ft<sup>3</sup>). Is this a good box size for a ported enclosure using this driver? I've purchased 66ml (2.6 inch) un-flared ports, how long should these ports be to give a flat but decent low-end response? I could use 100ml ports to be sure to avoid excess port noise, but the cabinets I have in mind aren't too deep and I thought 66ml was a trade off. Will port noise be an issue? To recap, what box and port measurements would work well for a flat, low-end response and will 66ml ports be too small vis-à-vis port noise? Thanks for your time. If you have any advice please feel free to contact me! Cheers, Tim

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Subject: Re: Beginner seeks help with "the usual question"

Posted by [Wayne Parham](#) on Tue, 22 Jan 2002 07:59:17 GMT

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You've come to the right place! I suggest three things: 1. Peruse this forum to read general information about speaker building, bracing, tuning, crossovers and bass reflex cabinets in general. 2. Get a copy of the PiAlign distribution, which includes software and some informative documents. You'll need to unarchive the distribution contents using PkUnzip or WinZip and then I suggest you read the PiAlign.doc and readme.txt files that are included in the archive. 3. Get a copy of Carlson's BoxPlot and use it to verify PiAlign suggestions and also to design speakers having other alignments.

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Subject: Re: Beginner seeks help with "the usual question"

Posted by [Tim Buchanan](#) on Tue, 22 Jan 2002 08:48:40 GMT

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Thanks Wayne, I'm (slowly) reading through the .doc now! It's a wealth of invaluable information! Greatly appreciated. I'm yet to take a good look at the programs (on borrowed time right now), but they too look extremely promising. Thanks a lot for the tips, these programs and info will help me out a great deal. Cheers Tim

