Subject: Suggestions for horn sub needed
Posted by Triodeuser on Sat, 24 May 2003 17:25:27 GMT
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Thinking about Labsubs - but they're a little large - I might could use a cornerhorn - but in one of the corners there is only about 3 ft of side wall before there is a french door that indents about 3" or so from the trim. I usually leave that particular door closed.BTW Kudos to Michealz for his implentation below. I also like David Shanks Implentation although I'm not sure I have enough wall space for that configurationI'm using 1 meter fiberglas horns with a LeCleac'h flare that I plan to crossover at around 135hz or thereabouts.I'm using tube amps (300B's now, GM70 later) and would probably run the subs active and push them with some rebuilt Dynaco MKlll's.Appreciate any and all input on this. I've just started looking at this aspect of my system.ThanksKen LGreenville SC

Posted by Wayne Parham on Sun, 25 May 2003 00:58:47 GMT
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You may be in a situation that will not allow the use of cornerhorns. I don't have two good corners

design. For the home, it always seemed to me that using the corners was ideal. They are very large, and they are easy to use to your advantage. Corner installation isn't usually an option for live use, but for the home, corners are often ideal.But if you can't use corners, then the horn you

well. But even that is tuned to be used above 40Hz and in constrained space or in multiples. That's the problem - to get down into the bottom octave, you just really need size. Most guys running horn subs add EQ for the bottom octave, which goes to show that they aren't acting as horns down there. That means that - for the bottom octave - they're direct radiators in fancy boxes. This is true for all the popular basshorns discussed on these forums.But this is probably a debate about semantics. There are lots of people that really like the power a large-format horn

output down to 40Hz, and they are able to deliver extended response as well. This makes your choice of crossover much easier - You can cross them low or use them up fairly high. The rising response of the driver combined with the diagonal reflectors allows smooth response at high frequencies, almost to the limits of the driver, itself.

Subject: how about Pi 7-18?
Posted by Triodeuser on Sun, 25 May 2003 02:47:52 GMT
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Thanks Wayne, for your response.For placement, I'm probably ok on one side - there is a five foot window that has shutters - probably not great but hopefully OK if shutteredI just might be OK on

the side where the French doors come in - If I leave one of the French doors closed I'm getting the dimensions I need on two sides and almost on three - if there is an imperfection in the layout of one of the three sides does it kill the effect you're looking for completely or just make it sloppy?Do you have anything you can send me that has the dimensions and set up of a Pi 7-18??ThanksKenI amgoodiesatcharterdotnet

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Subject: Top notch - You've got mail!
Posted by Wayne Parham on Sun, 25 May 2003 04:16:11 GMT
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room, that's what would be there. Even if the corners were malformed, I'd still probably have them. But three of the four corners are immediately adjacent to entryways so it's a no-go.Lots of people run cornerhorns in positions where there are bay windows nearby or other similar situations. You don't need everything to be perfect to the inch, not even within several inches. Wavelengths are long for the bass, so variations that are measured in inches aren't much concern. It's just that if you don't have corners because of an entryway or very large obstruction then the boundary conditions aren't met.

Subject: Re: Suggestions for horn sub needed
Posted by wunhuanglo on Sun, 25 May 2003 18:59:29 GMT
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I'm always hearing from everybody (except Wayne, kudos Dude) about horn loaded subs being "faster", more potent, more staying power with less Viagra, etc., etc., etc.Well, about an hour ago I fired up my just completed subwoofer for my A7s: LAB12 driver, downfiring in a 145L box, 4" Dia X 12" vent, crossover at 100 Hz. Is it perfect? How do I know. Is it all I hoped it would be? Yeah, and then some. Those Kodo drummers are getting a workout!FWIW.
