Subject: Constant directivity cornerhorn plan request
Posted by Ebag4 on Mon, 13 Jan 2020 02:43:21 GMT
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Hi Wayne, I would appreciate a set of plans for the 8Pi cornerhorn. I have a couple of questions first.

Thanks,
Ed

Subject: Re: Constant directivity cornerhorn plan request
Posted by Ebag4 on Mon, 13 Jan 2020 02:51:51 GMT
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My questions are:
My room is 16x28.5', the front wall is the 16' wall. The right corner on this wall has a 5' opening after just 4' 5" from the corner, is this workable for the cornerhorn? The other wall is solid .

I just purchased a pair of Eminence Kappalite 3015 LF-4, a 4 ohm driver, is that something that could be corrected for in the crossover? I have attached the data sheet, it appears most of the parameters are similar to the driver you designed to.

Thanks for any info you can provide.

Best,
Ed

File Attachments
1) Kappalite_3015LF_4_cab.pdf, downloaded 580 times

Subject: Re: Constant directivity cornerhorn plan request
Posted by Wayne Parham on Mon, 13 Jan 2020 16:01:42 GMT
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Your room orientation is perfect for constant directivity cornerhorns. However, you will need to stick with the driver shown in the plans. Horns are pretty picky about the driver, and reflex-loaded horns even more so. The eight Pi speaker requires the Alpha 10 midwoofer.

You could probably put the Kappalite 3015 in the bass bin of the seven Pi cornerhorn though. That design isn't nearly as picky about the driver in the bass bin. Do keep in mind that the design hasn't been tested with that driver though.

Please let me know which model you want to build and I'll send plans.

Subject: Re: Constant directivity cornerhorn plan request
Posted by Ebag4 on Mon, 13 Jan 2020 18:20:13 GMT
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Thanks Wayne.

Please forward the plans for the 7pi.

Thanks,
Ed

Subject: Re: Constant directivity cornerhorn plan request
Posted by Wayne Parham on Mon, 13 Jan 2020 18:29:56 GMT
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