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Subject: Studio 1 pi as corner horn

Posted by [Mike Centracchio](#) on Mon, 30 Dec 2002 22:47:41 GMT

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Wayne, could a studio 1 pi be maid into a cornerhorn similar to your other horns?Just a though. Turn it around, and put a back on it similarto corner horns.Mike

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Subject: Re: Studio 1 pi as corner horn

Posted by [Wayne Parham](#) on Tue, 31 Dec 2002 02:13:41 GMT

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You certainly could do this. I've built a few little tiny speakers in this configuration. There is one thing though - When the midrange and vocal overtones come from a rear-firing driver, then those with rising response are better suited for this kind of application; Adding a midrange driver to the front is even better. So if you plan on building a cornerhorn with a piezo in front, I'd probably forego the inductor in series with the midwoofer, to allow the rising response of the Alpha 10 to be generated without attenuation.

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Subject: Re: Studio 1 pi as corner horn

Posted by [Mike Centracchio](#) on Tue, 31 Dec 2002 02:49:24 GMT

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Thanks for the advice Wayne.What if I use a CTS ksn1142a piezo mounted in a hornlense on the front.are you suggesting to leave out the 0.5m h inductorthat is in your plan?Mike

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Subject: Re: Studio 1 pi as corner horn

Posted by [Wayne Parham](#) on Tue, 31 Dec 2002 04:50:12 GMT

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If you are planning to have the midrange covered solely by the rear-firing midwoofer, then I would expect better performance without a series inductor. But I think it might be even better still to have a forward-facing midrange. In this case, you would probably want to crossover the rear-firing woofer to match. Blend the two in the lower midrange, and they'll smooth each other and reduce floor bounce.

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