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Subject: Last question, I promise! (I'm lying)

Posted by [Floyd Andrews](#) on Tue, 04 Jan 2005 00:40:48 GMT

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Is there a sonic penalty to be paid for using an adaptor to attach a 1" mouth compression driver to a 2" throat horn? I've got the 1" Altec 902 drivers, and a pair of 1" to 2" adaptors, and now I'm looking at horns. I'd like to try crossing over at a frequency somewhere between 500-800, which means 2" throat horns, from what I've seen. What say you all?

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Subject: Re: Last question, I promise! (I'm lying)

Posted by [GM](#) on Tue, 04 Jan 2005 04:12:52 GMT

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?? Altec bolted these to the 511B crossed at 500-800Hz/2nd order or to the 811B for 800-1200Hz/2nd order, no adapters required. WRT using adapters, unless the joints are seamless they add another discontinuity to cause HF reflections back to the throat, so unless you have a specific lens you need for your app I recommend using the ones they were designed for and damp them to suit (at least the bells). GM

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Subject: Re: Last question, I promise! (I'm lying)

Posted by [Wayne Parham](#) on Tue, 04 Jan 2005 22:02:06 GMT

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I agree with GM in that adapters are usually a compromise. But it is essentially just another short flare section, so it isn't necessarily bad. Model it or measure it to be sure.

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Subject: Re: Last question, I promise! (I'm lying)

Posted by [Bill Wassilak](#) on Wed, 05 Jan 2005 14:21:38 GMT

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I don't think it'll hurt going from a 1" driver opening to a 2" horn throat through an adapter is going to matter. It's when your going the other way that could cause problems. Bill W.

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