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Subject: Short Coaxial Horns

Posted by [DR Carlson](#) on Wed, 04 Aug 2004 16:27:13 GMT

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Does any one have any info on using multiple drivers in a horn, which in turn shortens the length of the horn by a third or half or more? I came across the two sites listed below that mention it, but do not give any real specifics. Steve Deckert at

Decware: <http://www.decware.com/paper11.htm> "BUT MY FAVORITE is a ZEN DESIGNED series of cabinets I called the Wicked One. Pictured on the left, this formula for a binaural folded horn can be scaled also to work with a large family of drivers. It's neatest feature is the fact that I figured out you can share the last order of a horn flare between two horns if you couple them properly, thus reducing the size of your enclosure by half. A Wicked one is 12"H x 36"W x either 24" or 36"D depending on where you scale it. Not very big at all considering what it does. Trust me the name says it all" And at the JBL

site: <http://www.jblpro.com/pub/technote/PD%20HF%20TechNote.pdf> Tech note Volume 1, Number 29 pg. 7 JBL Precision Directivity PD700 Series Co-Axial Mid/High Speaker System It states that in using two drivers side by side, they are able to shorten the horn by 33% if anyone has more info on this it would be very helpful thanks

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