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Subject: Horn crossover freq.

Posted by [Wayne-o](#) on Wed, 01 Sep 2010 04:16:26 GMT

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What are the advantages of crossing a horn at around 1600 hz. vs. 800 hz. to a midwoofer like JBL does in a lot of their designs ?

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Subject: Re: Horn crossover freq.

Posted by [Wayne Parham](#) on Wed, 01 Sep 2010 07:44:59 GMT

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It's mostly about matching directivity and shaping the forward lobe. In my experience, it all seems to come together somewhere around ~1.2kHz. But I've had 'em work a little lower, around 800Hz to 1.0kHz and sometimes a little higher, like 1.4kHz to 1.6kHz. There are a handful of things to juggle, but getting them all to work best always seems to happen in this crossover range for 12" and 15" midwoofers used with 90° CD horns.

DI-matched two-way loudspeakers

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