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Subject: Re: Wayne, check this out...

Posted by [Wayne Parham](#) on Wed, 08 May 2002 02:06:56 GMT

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Look at the JBL 2012 and the Eminence Delta 10. They're 10 inch drivers, not 8 inch, but I don't suspect that matters to you. I think you'll find they will serve you well for horn loaded midrange drivers. A three-way speaker is essentially a decade-split system, where each subsystem must cover a decade. A decade is about the bandwidth limit of a horn, so a three-way split can be a nice solution. Two-way speakers require five octaves from each subsystem, and their main advantage is that of simplicity. There is only one crossover point, so there is only one place to consider the effects of overlap. This option is made possible since most speaker motors cover five octaves adequately. However, no horns have this kind of bandwidth, so horn loading can only benefit a part of system response. Compensation must be used if horns are employed over three octaves, so it is a "must" in horn-loaded two-way speakers.