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Subject: Re: Why so many posts here are not about single driver speakers

Posted by [akhilesh](#) on Mon, 25 Dec 2006 03:55:00 GMT

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I agree Bob. One other issue with using the single / wide range driver to produce the bass is IM distortion. For example, the trusonics easily produce 40 Hz in a BR box, but if I cross them higher, the reduction in IM distortion is clearly audible. Very audible in fact. Same with the dca drivers I have in a PAWO horn..these go down to 40 hz..amazing for a 4 inch driver...but the IM distortion is pretty high. Again, crossing them at 70 Hz 24 db/octave makes them much clearer. With the 24 db / octave I use, 90-3500 hz crossover seems to be the magic number, at least for the trusonics. With 12 db crossovers, I agree, the driver should be able to go up to 6000 Hz with no issues. I think each driver is a little different, which is one of the reasons there is so much value added by builders like you & Wayne, who pretty much take the trial & error out of it for most folks trying a driver for the first time. -akhilesh

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