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Subject: Re: Interesting discussion on Audiogon , Wayne, your thought?

Posted by [Anonymous](#) on Wed, 17 Jul 2002 18:56:38 GMT

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--I'd never recommend a woofer like this for a 2-way system even if--it didn't have the bandwidth. The intermodulation distortion of a--woofer throwing 15mm xmax delivering 30 Hz notes while also trying--to throw out 1,000 Hz notes would be just unbearable. Food for thought - can we also say that a midrange/midbass driver trying to deliver 100hz notes while also trying to throw out 2khz notes would be just unbearable? \*OR\* is the distortion levels acceptable by human standards? I've been wondering about this for a long while since most people like to use midrange drivers at low crossover frequencies especially car audio folks. They place midrange units in the doors and cross them over at 70-80 hz to match their subwoofer. How much energy can that midrange output in that low frequencies range while still trying to sound good. Perhaps at low listening levels it works, but I'm more or less into listening to music at high output in which case, it doesn't seem like a good idea to do this. Home audio - 2 way systems - It seems these systems are highly compromised at high spl for the said reason, but people insist on building them? The only reason I can think of is.. they don't crank the tunes?

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