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Subject: Re: Why won't a single driver speaker do metal?

Posted by [Wayne Parham](#) on Sun, 07 Aug 2005 08:01:01 GMT

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I think the problem to overcome is three-fold, one being upper extension, another being intermodulation and the other being X-Max. The thing I've seen most single drivers do best is mid and highs, which leaves the designer to focus on a cabinet that improves bass response. But no matter what you do - horn, reflex or transmission line - the bandwidth required is the same. A single driver is required to cover the entire audio band. That means the intermodulation issue is the same cross to bear for each of the three designs. And while excursion is limited at certain frequencies in each of the above mentioned designs, you still need to have displacement to generate bass, and that means excursion.

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