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

Posted by [Wayne Parham](#) on Sun, 07 Aug 2005 12:57:43 GMT

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When you say, "some folks give opinions based on theory instead of experience", I'd like to make sure you understand that many of the people on this thread have a wealth of experience. Bob Brines made a statement of fact. He said, "Single-driver full-range speakers have a limited dynamic range." This is true of all speakers, but I think what he meant is that single driver speakers are limited more because of their unique characteristics. It wasn't about a particular implementation, it was about any speaker with a single driver. By the way, what was used to come up with those SPL figures you quoted? There is a lot of specific information in your post, so I'm sure you must have this information handy. Point source sound falls off at the rate of $20 \log d_1/d_2$, so you can see that 108dB at 14 feet is about 120dB/M - pretty strong stuff. Those are pro-sound levels, amazing from a 4 inch full range speaker.
