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

Posted by [Bob Brines](#) on Tue, 26 Jul 2005 20:29:35 GMT

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A couple of points here. I do full range single driver speakers because they fill a niche. A reasonable sized speaker covers most of the musical range with an efficiency that allows low powered amps. It's a bonus that given the right kinds of music, they sound incredible. It's serendipitous that those who like low powered amps generally like the kind of music that works well on the speakers. I'm not pathologically apposed to multi-way speakers. Right now, I have the FB-16 BR's and an SP-10 sub hooked up to my HT receiver. The cross over happens digitally at around 100 Hz. This takes probably 1/2 the power off of the FE167E's and puts it on the Peerless 850148. IM is noticeably reduced. Dynamic range is noticeably increased. However, in my book, this is a 2-way speaker system. It won't work for the SET crowd because the cross over has to be done either digitally, which kind of takes the shine off of vinyl, or has to be done actively at the pre-amp level which normally means some OP amps. Another point, and I think Wayne really knows this, is that full-range drivers work BECAUSE of cone break-up. With a full range driver, cone break-up is controlled to allow the driver to get high enough to mechanically cross to the whizzer cone or dust cap. Bob

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