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

Posted by [akhilesh](#) on Wed, 27 Jul 2005 04:46:30 GMT

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Hi Martin, The single driver I use will produce the bass with low watts, but with large X_{max} . This leads to distortion. This limits the ability of the single driver if producing the fullest frequency spectrum, to produce high SPLs. My solution: use the "single driver" in the 80/90 Hz plus mode. This takes care of the SPL issue and at least in my experience, makes the sound a LOT cleaner. I have never heard a properly designed BLH in a single driver (well except my Klipschorns which are not single driver). Based on reading, it should produce significantly greater efficiency than a TL or a BR, and hence more bass and cleaner sound. Maybe the math model you are developing at present will show that. Do share with us the qualitative aspects of your models, as they develop and are validated. This will help us all gain insight into the advantages of a BLH, if any. -akhilesh
