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Subject: Rationale for single driver speakers

Posted by [akhilesh](#) on Fri, 09 Jan 2004 20:22:47 GMT

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Hi Everyone, Just wanted to start a thread on WHY single driver speakers are a good (or bad) idea. Let's consider some initial ideas: 1. Some people believe the crossovers in multi driver speakers result in phase shift, and the placing of different drivers result in different frequencies coming from different sources. I have not been able to hear this. A well made pair of multiway speakers sound pretty good to me. 2. Having one driver reproduce the bulk of the audible spectrum results in more natural sound (somehow). IMHO, I like a single driver speaker because I have an inherent bias against a \$100 multiway unit where 90% of the spectrum is reproduced by the \$5 unit (the tweeter). I'd much rather spend the money on a high quality driver that reproduces most of the spectrum. IMHO, this approach should lead to subjectively well produced sound (does anyone know how to quantitatively measure the accuracy of reproduction of a trumpet, or a saxophone or a piano?). Does anyone have other thoughts? Anyone know of any real scientific studies that PROVE that crossovers (if well executed) will still be AUDIBLY worse than no crossovers? thanx-akhilesh

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