
Subject: One driver for FULL spectrum or one driver for critical portion of spectrum?
Posted by [akhilesh](#) on Sat, 22 May 2004 01:44:22 GMT

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Hi Everyone, The post on super expensive drivers makes me pose a basic question in our single driver forum: Should we try to get the maximum frequency coverage out of one driver (OPTION A), or should we define a critical range that needs to be covered by a single driver to keep the single driver magic (OPTION B)? Some initial thoughts on these options: OPTION A: Pros: Pure philosophy, no question of getting the single driver magic Cons: Such a driver is almost impossible to find. MUCHO dinero must be spent to even come close, and some may argue that trying to cover the ENTIRE spectrum NECESSARILY leads to compromises in reproduction capability. The best drivers like AER may still not be as good, for example at 15,000 HZ plus as even average tweeters. OPTION B: Pros: Cheaper solution. If a sufficiently wide range is identified (say 50 HZ till 12,000 HZ) then purity compromise may be less. The best drivers that reproduce a limited frequency range may be BETTER than the best drivers that reproduce the COMPLETE range. For example, it may make sense to get a really widerange driver, and get tweeters and a biamped subwoofer for the really extreme frequencies. Cons: Lack of purity and philosophical compromise. I can tell you from my personal listening that option b TO ME really offers no compromise in sonic purity (at least to my ears) as long as a sufficiently wide range is selected. But then I am a cheap b_____ with not too much money to burn on drivers. Thoughts by others are welcome! I know we have discussed this before, but this seems to be the fundamental philosophical question that we seem to come back to in our single driver world!-akhilesh
