
Subject: Re: Is mixing 'n matching cabs a bad idea ?
Posted by [Wayne Parham](#) on Fri, 13 Jan 2006 14:51:29 GMT
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Assuming you're planning to use a group of speakers for high-fidelity sound production, you're looking for flat response, low distortion and even and predictable coverage. You have a handful of things to consider. Where groups of speakers are used, you have interaction between them.

combine and act as a single sound source. But as frequency rises, the interaction will become complex, and you will find places in the listening area where dead spots will form. Other places the same frequency will be loud. So you'll find pockets of sound in the listening area. Even straight on-axis (the only place some home hifi owners consider), you'll have complex interactions that develop between sound sources. It all depends on the size and position of the speakers and the crossover and any electronic delays that are used. High fidelity requires flat response, low distortion and as faithful reproduction of the recorded signal as possible. But electronic musical instruments use the loudspeaker as part of the overall sound, and it is voiced to suit the musician. So basically what sounds good to your ears is what you should be using. Rarely do musicians choose a speaker for the same reasons that a home hifi buyer would, or even a sound company doing shows. As a bass player, you might not be as interested in speakers with a neutral presentation as you are with making your own sound. Modeling amps are a little bit of an exception to this rule, but still, as a musician, you're looking for your own unique sound. So if you're not looking to do modeling, you might want to keep an open mind, try a few setups and find what sound suits you best.