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Subject: Re: Question for Wayne: Cabinet Proportions and Sizes

Posted by [Wayne Parham](#) on Fri, 16 Nov 2001 22:46:17 GMT

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You can modify proportions slightly, but don't make them too different. I wouldn't make them tall and thin because standing waves at bass or midbass frequencies might result. Also, keep the relationship between drivers the same as far as placement on the baffle. Basically, an inch or two taller with volume kept the same by making them thinner or less deep is OK but much further and you might change things. About stands, you have two competing priorities. One is to get the midwoofers around ear level. The other is to reduce floor bounce. Midwoofers elevated more than about a foot create a midbass/midrange notch from the floor reflection, with frequency dependant on height. The typical ear-level height placement creates a deep notch at 100-150Hz. I prefer to place the speakers a little lower than that as a result. You can tilt them back, perhaps on a mini-stand that angles the speaker 10 degrees or so.

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