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Posted by [Wayne Parham](#) on Mon, 17 Aug 2009 20:18:51 GMT

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When I don't run subs, I always position the woofer close to the floor to avoid floor bounce. I recommend floor standing or angled risers or no more than a few inches, if subs aren't used.

If subs are used, then I usually put the main speakers on a stand between 12" and 18". This brings the sound sources up to approximately ear level (seated) but also introduces floor bounce. However, properly positioned subs can smooth this with a multisub technique. I usually use what I call flanking subs placed just a few feet from the mains and low-passed at a relatively high frequency. Those smooth the upper modal range, up to the Schroeder frequency (including floor bounce). In some cases, I suggest other subs be used as well, placed further away and low-passed at a lower frequency. These provide additional smoothing at lower frequencies.

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