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Subject: Using multi-subwoofers to smooth bass response in room  
Posted by [Wayne Parham](#) on Sun, 15 Feb 2009 18:44:49 GMT  
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Have you ever considered using multiple subwoofers? The multi-sub configuration not only provides deeper bass extension but also smoothes room modes.

performance. But I can't think of any setup that isn't improved with the addition of multiple subs.

loudspeaker configuration that can do better, because it sets the pattern and provides constant directivity all the way down to the Schroeder frequency, and offers improved imaging as well. However, below the Schroeder frequency, room modes dominate. Somewhere between 100Hz and 200Hz, room modes begin to set the positions where energy distribution is strong and weak, and certainly below 100Hz, the room becomes the primary determiner of bass response.

loudspeaker setup. In fact, in some rooms, I suppose the improvement of bass uniformity may even be greater. Below 100Hz or so, the key is to have multiple bass sound sources blended

cornerhorns. Alternately, use CARA to model the room and find out what placements work best in your room.