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Subject: Re: Subwoofer amp and crossover

Posted by [Wayne Parham](#) on Sat, 24 Sep 2022 20:51:38 GMT

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I would suggest using a flanking sub approach. Do a search for "flanking subs" here and on the internet at large. Lots of good information about it.

To describe in a nutshell, flanking subs are basically stereo subs with specific placement and crossover slope. Each sub is placed a couple feet beside, behind and below the main speaker it's flanking. The mains are run full range and the subs are crossed relatively high - generally 100Hz second-order - so they blend with the mains in the 80-150Hz region. They blend lower too, but at deep bass frequencies, flanking subs are acoustically close to the mains, so we aren't getting anything "special" from them. It's the upper midbass and lower midrange that is significant to flanking subs, because they provide modal smoothing and mitigation of SBIR in this region.

Also search for "multisubs." These are placed further away from the mains and they smooth lower frequency room modes. Multisubs can be used with flanking subs for the smoothest in-room response.

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