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Subject: Re: flanking subs with small mains

Posted by [Wayne Parham](#) on Fri, 22 Feb 2013 20:01:50 GMT

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Let me see if I understand you right. This is what I think you are saying:

1. When bass management is used, the sub output is low-passed and the mains are high-passed at the same frequency.
2. You are considering setting this frequency to 60Hz to 80Hz, but then the mains will be high-passed and the low-passed sub output has all channels summed.
3. You want to provide some sort of "Y" connection to provide both subwoofer and mains signal to each flanking sub, thereby providing both the channel-specific signal and the deep bass signal.

Have I interpreted this correctly?

If so, let me make an alternative suggestion. How about running helper woofers directly off the mains instead? Use a high-efficiency midwoofer in an appropriate cabinet connected directly to the main it is flanking through a 5mH to 10mH coil. You could even use a second woofer just like the one in the mains speaker. Something that has about the same sensitivity as the main speaker. This is a simple solution and will achieve the same result.

Flanking Subs vs Helper Woofers Run the LFE channel to a conventional subwoofer or to a few distributed subwoofers in a multisub arrangement:

Room modes, multisubs and flanking subs

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