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Subject: Re: Mono "flanking sub"

Posted by [johnnycamp5](#) on Tue, 01 Dec 2015 18:01:10 GMT

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jonone wrote on Mon, 30 November 2015 13:27: Hi Wayne. I've got quite a good Handel on the approach now, and that sums the technique up perfectly in a couple of paragraphs! Great for new members to the forum

I realise I'm not actually using this technique and in fact what I'm doing is using two subs with one by the mains blended higher to help smooth the upper end of the modal region (which works as shown by my graphs) and overlapping the mains with the two subs for a total of four bass sources to smooth the lower modal region.

If I had the space and funds I would have four subs, two flanking, two distributed.

So maybe I should just call them my midbass and sub to be fair to your method as it's not true to it and realise it's not doing it justice.

I also understand eq is not required nearly as much as the smoothing effect from overlapping sources adjusted by delay does this.

But in an ideal world is it better to eq my midbass and sub globally or is separate ok?

Also is it better that the lfe signal and summed mains signal both get sent to the mid bass and sub?

It is probably easier for me to keep the midbass and sub on separate channels of the mini dsp and the bonus is I get the option to add more delay to the sub if needed via the lfe distance setting inside the amp as the mini dsp only goes up to 7.5ms., The down sides are that way the sub only gets the lfe signal and the midbass only gets the summed mains signal, they also don't share an eq block to eq them globally if that's even a problem?

Thanks, jon

Jon-

Not to repeat..... but I repeat.....

I think you might be better off setting up your two subs as "flanking" the mains, instead of "one helper woofer, one lfe, distant woofer" approach.

I say this because I use a "single sub" (centered) technique, and I sometimes like it, but I also struggle with it.

For me, with just the one centered sub, (as Wayne has mentioned) stereo imaging can get smeared when crossed over high (above 80Hz), and localization becomes a problem.

If I turn down the crossover point to 50Hz, those factors diminish, but so does the midbass smoothing.

I have considered an eq for my system, but personally, if I had a second (same as my first) sub, I would set it up "flanking", with no distant

lfe sub, before I got wrapped up in Eq'ing things with a one-one (single helper/single lfe) set up.

Just don't want to see you put the cart before the horse here.

Apologies if I have mis-understood your system/set up. Perhaps you have already tried flanking both mains.

Regards!