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Subject: Re: 3 Pi plans

Posted by [Wayne Parham](#) on Tue, 12 Mar 2019 19:43:42 GMT

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perfect for use with flanking subs.

The way to implement flanking subs is to use the left and right preamp outputs as input signals for the left and right flanking subs. You use a 100Hz second-order low-pass filter for the crossover.

But if you have the right corners, constant-directivity cornerhorns are even better. They don't need flanking subs because they're acoustically close to the walls. The wavefront illustration in

sound system in a room that doesn't have corners suitable for constant-directivity cornerhorns.

In the meantime, run your hornsubs in the opposite corners from your constant-directivity cornerhorns. The hornsubs can be run from the LFE channel, which sums all channels and has a steep low-pass filter to prevent localization. This is a Welti multisub setup and it does a great job of smoothing the low frequency room modes.