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Subject: Re: speaker location and type

Posted by [Wayne Parham](#) on Tue, 18 Dec 2012 17:13:36 GMT

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Speakers in corners don't need flanking subs, but they do still benefit from more distant distributed subs. I don't think I'd put a sub immediately below the corner speakers, because then you would have two bass sound sources in the corners, which is a waste. You want to spread them around. Best approach is probably to put the subs in the corners opposite the mains or at the adjacent wall midpoints. If neither of those places is convenient, really any two other spots will work, just don't put them right below the mains. The woofers in the mains will provide the bass sources there.

Soffit-mounted speakers are a great idea, because they remove self-interference from the wall they are mounted in. This also largely reduces the need for flanking subs. It's the same thing for constant directivity cornerhorns - They don't really need flanking subs because they don't suffer self-interference from nearest boundaries. So that gives a little more flexibility in sub placement, and is just a better arrangement all-around. Not everyone has these options, but for those that do, it is the best way to go.

I prefer constant directivity cornerhorns to soffit-mounted speakers simply because cornerhorns remove self-interference from both adjacent walls, whereas soffit mounting only removes self-interference from the wall that the speakers are recessed into. The nearest side wall still presents a problem. Soffit mounting also doesn't usually lend itself to the preferred crossed-axes orientation, because the wall angle and the baffle angle are so different. So for these reasons, I would prefer a constant directivity cornerhorn to an in-wall mounted speaker. You can permanently mount the cornerhorns, if you wish, making them something like soffit mounted speakers, but there probably is little benefit in doing so.