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Subject: Re: old version of Pi4 pro

Posted by [Wayne Parham](#) on Tue, 16 Sep 2008 17:15:29 GMT

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Use the new crossover, as it has smoother response through the crossover region. The two-way matched-directivity configuration trades simplicity and fewer crossover points for higher bandwidth required of the midwoofer. The three-way cornerhorn configuration reduces bandwidth, in turn reducing IMD, while retaining matched directivity but it is a more complex system with one more crossover point. Both designs offer controlled directivity that results in smooth response on and off axis over a wide 90 x 40 pattern. The two-way has collapsing directivity up to 1kHz, becoming constant by 2kHz or so. The three-way begins to become directional down around 300Hz, just above the room's modal region.

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