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Subject: Re: pi 7 and suitable driver

Posted by [Wayne Parham](#) on Fri, 22 Nov 2002 21:01:07 GMT

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Well, any corner horn implementation is a generalization. The very nature of the design is one that takes advantage of a feature almost all rooms have - their corners. This provides an eighth space orientation, and it also forms a conical horn. But the other side of this is that every room is different, and that means any discussion about the design must be either generalized or room characteristics must be specified. Certainly, the best room would be one with clear wall space from the corners, adjacent room boundaries would be rigid and opposing boundaries would be perfectly reflection-free, either open space or fully absorbent. Obviously, this is not the case. The adjacent boundaries aren't fully rigid, nor are the opposing boundaries absorbent. But I've found that homes with a concrete slab and framed drywall construction provide a good environment for cornerhorns. The drywall is lossy, and it and the insulation behind it tends to damp the room. That's probably the single biggest thing in small rooms, you really need this damping from walls that have some give. This damping smoothes room modes, making bass more uniform.

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