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Subject: Re: Corner pi speakers

Posted by [Wayne Parham](#) on Thu, 14 Oct 2004 01:06:28 GMT

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That's a good question, thanks for asking. And Tightwad is right that it has been discussed here a lot. It has been discussed enough that search results for "cornerhorn" bring back a pretty long list of posts. So it isn't surprising that Tightwad couldn't find the exact discussion he was thinking about. But here are a few of my favorites:

Cornerhorns!

Room corner characteristics

K-Horn/ Pi-Horn DifferencesTo summarize, I'd pretty much agree with Tightwad's description of

a conical horn with the same area expansion rate as a 70° rectangular horn up until the ceiling junction, where the expansion becomes parabolic. The motor chamber is vented, so you could say that it is a large conical horn with a vented rear-chamber.

I think the advantages are pretty obvious. The cabinet is much easier to build and service, and resonances caused by the wood and chambers formed by it are avoided. The lower vocal

since the midrange and tweeter horns have 90° horizontal dispersion, there is no midrange wall slap because the pattern is contained within. Horizontal dispersion of all sound sources matches, so sound distribution through the entire listening area is uniform.