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Subject: corner horn placement

Posted by [bqc](#) on Sun, 25 Aug 2002 23:00:24 GMT

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Besides the obvious fact that it needs to be in a corner, what about the angle?. From the pictures of some of the 7 pi horns, it looks like when it is placed in a corner, the tweeter horn axis made a 45 degree with the front wall. That means that if I sit where the left and right tweeter axis met, the distance between me and the speakers would be shorter than the distance between the speakers. I had tried to place my theater 4 pi in the corner with the same type of placement and had found that I don't like the sound as much as if they were pointed outward more. What negative effect would there be if I were to point the 7 pi speaker outward more so that the angle of the tweeter axis and the front wall is something like 60 degree? Would it be better than to build the 7 pi with the tweeter horn in a separate enclosure so it can be turned independently of the woofer horn unit?

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Subject: Cornerhorn angles, dispersion and stuff

Posted by [Wayne Parham](#) on Mon, 26 Aug 2002 05:13:42 GMT

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There is no reason you can't rotate the horns from their natural 45° orientation. It is sometimes cornerhorn is matched angular coverage of each subsystem. When the horns are pointed the same way, each shares the same 90° pattern and coverage is equal. This ensures that the reverberent field is uniform and sound through the room is even.