
Subject: Re: 4pi Commercial Dinner Theater Build
Posted by [Wayne Parham](#) on Fri, 22 Jul 2011 19:09:20 GMT
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dutchswan0311 wrote on Fri, 22 July 2011 08:10 It is my intent to recess the 1pi speakers 5 1/2 inches into the wall between 2x6 studs. As a result, someone on a different forum suggested that I ask you the following question:

"Does the 1pi have baffle step compensation? Up against the wall might give it a rising bottom. You should ask him if the crossover needs tweaking for in-wall duty."

The quick answer is the speaker was designed to be used in locations where it will be radiating into half-space to quarter-space, so wall mounting or placement near the wall is preferred.

The long answer goes into a little more detail, but if you're interested, see these three links:
Baffle Step
Constant directivity verses on-axis EQ for non-uniform directivity (aka baffle step filters)
High-Fidelity Uniform-Directivity Loudspeakers
