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Subject: Re: 1pi or 2pi for surrounds?

Posted by [Wayne Parham](#) on Tue, 16 Aug 2011 19:52:24 GMT

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the larger uniform-directivity models, but not a directivity match. Surrounds really shouldn't be a directivity match anyway, because the pattern would be too narrow. What we want is ambiance, and a wider pattern. I'm not sure that it needs to be as uniform off-axis either. So we want power response to match the mains, but not directivity.

The traditional orientation for surrounds is positioned at the sides and slightly behind the listeners, pointed straight inwards, towards the listeners. But I've found another setup that works well is to put them a little further behind the listeners and point them at the sidewalls, with angle of incidence that brings the reflected sound back at the listeners from the sides. This gives the same impression of sound coming from the sides, but it gives a better sense of spaciousness.

Surround speaker placement

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