Subject: 360 Degree Speaker?
Posted by Gentry on Mon, 07 Oct 2013 17:08:17 GMT
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I am curious as to whether there is a speaker that exists, similar in style to the radial horn, that emits sound at a 360 degree angle? I was wondering how one would work with a home theater system?

Subject: Re: 360 Degree Speaker?
Posted by Wayne Parham on Mon, 07 Oct 2013 17:46:04 GMT
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They do exist, but I have never been a fan of this approach because indoors, it provides the wrong pattern. I don't want sound radiated at the wall behind the speakers, as much as possible.

In my opinion, the perfect setup is the constant directivity cornerhorn, which radiates 90° from the apex of the corner. This is a natural section of the 360° pattern you asked about, limited by the walls adjacent to the speaker.

Speaker placement and wavefront launch