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Subject: Re: Yamaha SP1 - Digital Array for HT  
Posted by [Jim Griffin](#) on Sat, 16 Apr 2005 01:12:06 GMT  
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GarMan, Yes, horizontal line arrays are an issue if you maintain a coherent waveform. The radiated sound would be the same as a vertical line array except rotated to the horizontal plane. The sound would be limited primarily to the length of the array and such. Now the Yamaha array operates differently in that each driver has a specific delay or phase so that it can recreate a home theater experience in a normal listening room. The multiple channels for HT are determined by reflecting the sound from various drivers off the walls of the room. I haven't heard the Yamaha array but I suspect by its design that it would be dependent on room reflectivity and layout. What would sound great in a moderate sized room would perhaps present an issue in either smaller or larger rooms. Still you can see that this design has merit within its potential limitations as to room dependencies. Jim

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