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

Posted by [Wayne Parham](#) on Sat, 17 Sep 2011 00:30:00 GMT

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Good to know the system chose a setting that made sense for the surrounds. I'd run the mains with high-pass at their Helmholtz frequency also, or just run them flat out. If you high-pass the mains, make it pretty low like 30Hz or 40Hz, wherever the Helmholtz frequency is.

The main thing is, we just don't want to rolloff the mains early. We want as many sound sources as possible playing in the room's modal region. Same thing for the surrounds, but with a different goal in mind. We're not looking to them for modal smoothing, since they play such different content. But we do need them to have similar spectral balance, and they need to be able to stand on their own, for the most part. They don't need to be capable of real deep bass - that's covered by the subs, which is non-localizable. But we do need them to run competently down to 60Hz or so.