
Subject: Re: 2Pi - Tilting speaker up for better on axis response and time alignment
Posted by [Wayne Parham](#) on Mon, 21 Jul 2014 19:05:47 GMT

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The speakers are best when listened to on-axis, but horizontal movement up to about 30° is fine too. Further off-axis horizontally gives smooth HF rolloff, so it doesn't get "ugly," it just loses top end.

Vertical movement is another story. You'll run into vertical nulls above and below the speaker, so you really want to listen to them on-axis in the vertical plane. Side-to-side movement is OK, but up-and-down movement is not. Best sound is when you are facing the speakers, somewhere in the general area between woofer and tweeter. You can always put the speakers on stands to raise them to ear level.

going to be your main speakers, I'd suggest augmenting them with subs.