
Subject: Re: second array already in the works
Posted by [Marlboro](#) on Mon, 12 Oct 2009 13:31:13 GMT
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Active is way better. And although some people complain that an analog crossover is inferior to a digital, I have no problems with my Rane AC23.

The following is my two cents, and I could easily be wrong.

I sit about 9 feet from my speakers so the 30 inch tweeter line is about at the transition.

I would have some questions as to why you've chosen the speakers that you have. The tweeter only goes down to 3000hz , and thats its FS, which means that it drops like a rock below that. Even with a 24 DB OCTAVE CROSS I should think that you might have some loss of sound in the vicinity of 3000hz due to crossing at its FS rather than above it. The Dayton 20FA seems a better choice due to its not having its FS until 2005hz, which gives a good bit of leeway. You have to figure that the tweeter is going to be screeching at 2500hz and it will probably still be audible.

So with your electronic cross I'd want to cross higher than 3000, more like 3550 hz.

I wonder why the Tmpany's. I would have taken the three inch HV aluminums which go higher and have a higher x-max of 3.0mm. You will have to cross higher than 66, but you probably want to again because you have to expect that crossovers are not exact cutt offs, and your speaker still has to produce sound at half an octave below the cutoff. If you cross them at 66, there is no way that they are going to be producing distortionless sound at 33 hz.

But to each his own, and the system might work out just great for you, after all, people have told me that my system doesn't work, and it does admirably. Just my thoughts.

Marlboro
