
Subject: active crossover?

Posted by [Tom R.](#) on Mon, 03 Dec 2007 02:27:53 GMT

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I am considering using an active crossover for a line array. The short list is Marchand XM 16 (48 dB/oct filterslope) or one of the Behringer units. At the moment, I need RCA connectors in & out. I like the idea if the Marchand - give me a piece of equipment that performs the intended function well. The Behringer has more features, but are all the extra bells and whistles worth the money? Any advise? Tom R,

Subject: Re: active crossover?

Posted by [Walter E](#) on Mon, 03 Dec 2007 14:44:22 GMT

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The Marchand XM16 is a much better crossover than the Behringer DCX2496, IMHO. It is true that the Behringer has a lot of features, but they're window dressing. It's a digital crossover so adding features is easy. If you don't need a particular feature I think you're better off with the Marchand. Get the deluxe XM16 and you won't regret it. Rgds, Walter

Subject: hearable?

Posted by [Marlboro](#) on Mon, 03 Dec 2007 22:20:31 GMT

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Maybe you can hear the difference so that it's important for you to have a \$700 - \$1600 crossover. Or maybe you need the bragging rights to have that expensive a crossover. I have a lowly Rane AC23 24 dB/oct analog crossover. Works great. Do what you have the money for, but if you aren't made out of money you can go lots cheaper, and I'm betting unless you have platinum ears, you won't be able to tell the difference side by side. Marlboro

Subject: Re: hearable?

Posted by [Walter E](#) on Tue, 04 Dec 2007 17:27:49 GMT

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Could be, could be. The Rane is analog too so that makes some difference. The Behringer is digital so has to do A/D and then D/A conversion.

Subject: Re: hearable?

Posted by [Tom R.](#) on Tue, 04 Dec 2007 17:31:47 GMT

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I am not into spending money just for fun, or to impress anyone. I am looking for price/performance for my application, with RCA connector, and 48 dB slopes. Looking further at Behringer DX2496 @ \$260, it has balanced in / out puts, I need RCA. The Rane crossovers have the same problems: 24 dB slopes and all Balanced connections. The Marchand model MX16 is \$400 USD for the kit. Which is more than I want to spend, But I don't see much else that fits what I am looking for. Any other suggestions?

Subject: Re: hearable?

Posted by [Rick Craig](#) on Thu, 06 Dec 2007 03:55:28 GMT

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Tom, If you go with the Marchand I would have them add the baffle step compensation at the factory. It's really time for a reasonably priced DSP crossover made for home systems with RCA ins/outs

Subject: Re: hearable?

Posted by [Tom R.](#) on Thu, 06 Dec 2007 17:11:34 GMT

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Thanks for the input! I will ask Marchand and see what they can suggest. I understand the step baffle concept, but I need to learn more. I assume if a stepped baffle is included, it will be designed for my specific speaker cabinet, and crossover? Any other comments you can provide are appreciated.

Subject: Re: hearable?

Posted by [Rick Craig](#) on Thu, 06 Dec 2007 21:33:16 GMT

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Probably the best thing to do is run a measurement curve and determine what transfer function you want them to use. You don't need a stepped baffle if you have a crossover that can vary the delay on the tweeter section. I'll note that I usually suggest the DSP crossovers because they give you more flexibility. With the Marchand and others that only offer symmetrical slopes (excluding the baffle step feature) a parametric EQ will help quite a bit.

Subject: Re: active crossover?

Posted by [Anonymous](#) on Fri, 07 Dec 2007 20:51:54 GMT

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The Behringer has more features, but are all the extra bells and whistles worth the money? I use my DCX2496 for my budget arrays. The common analog crossover with have the ability to adjust the crossover frequency, variable or other methods like plug in modules, etc. It also has level controls. But the extra features I use on the DCX are; 1. EQ 2. Delay 3. Full digital pathway up to the amp, but I will admit this is not 'all-that' important as others imply. 4. The ability to store my settings in memory locations and you can instantly recall them. I have at least 10 programs for my line array, each has different settings for certain situations. DCX has more features. One other feature I tried is the phase adjust to 'check' the sound system and even though I don't have phase implemented, it was a feature used for sound verification.

Subject: Re: active crossover?

Posted by [ttan98](#) on Sun, 09 Dec 2007 11:14:57 GMT

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I have an analog Behringer 3-way x-over and then switch over to Behringer DCX2496 (costs me \$216 excl. postage), believe me the DCX is much better and more flexible. I suggest to move over to digital hence saves money from buying analog one, the choice is yours.

Subject: Re: active crossover?

Posted by [Tom R.](#) on Tue, 11 Dec 2007 01:52:36 GMT

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I looked at the DCX2496, and all the connections are balanced, with my set up, I am all single ended / RCA or I would have jumped already. Thanks for the input Tom R
