Subject: Active Theater 4 Bi-Amping
Posted by peppennino on Tue, 12 May 2009 11:14:40 GMT
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Good moornig, Wayne. I'm considering the opportunity of bi-amping my Theater 4 (my 300b set for the PSD2002 and a solid state amp for the Delta 15). Have I remove the whole passive filter or I have to add some equalization network?The active Xover probaby would be built with tis project:http://sound.westhost.com/project81.htmWith a 12 db slope for the compression driver, have I change the crossing frequency (higher)?Many many thanks in advance,Vincenzo

Subject: Re: Active Theater 4 Bi-Amping
Posted by Wayne Parham on Tue, 12 May 2009 16:39:39 GMT
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I think active crossovers are a great idea, but you'll need to copy the filters exactly for proper summing.I have another suggestion: Split the subwoofer output instead of the midwoofer and tweeter. Run the mains on one amp and the subs on another. That way you can leave the optimized passive crossover in place, and use the woofer amps for subs.
 Multi-sub setup

Subject: Re: Active Theater 4 Bi-Amping
Posted by peppennino on Tue, 12 May 2009 19:25:42 GMT
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Thanks, Wayne. Maybe an alternative setup would be adding a midbass horn similar to that of Th7 and use the other amp for the sub?It's the same thing that one of my friends is doing on his Theater 6..

Subject: Re: Active Theater 4 Bi-Amping
Posted by Wayne Parham on Tue, 12 May 2009 21:52:55 GMT
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Yes, that's a good way to split them out. It would be pretty easy to amp the woofer separately

post. That way you keep the passive crossover that's used in the mid/tweeter region, because it is already optimized and might be hard to duplicate with off-the-shelf crossovers.