Subject: Do active crossovers.....?
Posted by Nubwitz on Sat, 14 May 2005 12:47:30 GMT
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It would seem that there is a relationship between higher efficiency speaker's dynamic range and the benefits of an active crossover system, and multiple amps.Could anyone care to comment.Thank you in advance.

Subject: Re: Do active crossovers.....?
Posted by wunhuanglo on Sat, 14 May 2005 13:47:00 GMT
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I would say that, in essence, if you are concerned about efficiency then power losses through passive crossovers are best avoided.
Active vs Passive Crossovers

Subject: Re: Do active crossovers.....?
Posted by Wayne Parham on Sat, 14 May 2005 23:16:29 GMT
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The reason to go active is mostly for the amp, not the speakers. There are other things that come into play because of the reactive nature of the loudspeaker load, but the main thing is the bandwidth reduction of each amp. Reduced bandwidth helps keep 'em from clipping. The less you have HF modulated by LF, the more dynamic range you can get from the amp before hitting the power rails.