Subject: 4Pi Xover Optimized for SET Amps
Posted by slhijb on Tue, 30 Jun 2020 16:56:07 GMT
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A quick question for Wayne. I'm building the 4Pi's and powering them with a 2A3 SET amp. I was reading some older forum posts and came across one where a member adjusted his 4Pi Xover for SET amps.

https://audioroundtable.com/forum/index.php?t=msg&goto=63306

In the post you mention,
"For SET amps, you can reduce the number of resistors... There is no harm having them, but as long as the power stays low, no heat is generated, and no damage to the resistors even if you only use one per R1/R2 leg."

I purchased the 4Pi Xovers pre-assembled and am wondering if you can recommend some modifications that will optimize them for a flea power 3.5 watt per channel amplifier? The Xovers are built for the B&C DE250 & JBL 2226HPL, 8ohms driver combination. I am handy with a soldering iron. Hope you can help. Thanks!

Subject: Re: 4Pi Xover Optimized for SET Amps
Posted by Wayne Parham on Tue, 30 Jun 2020 19:30:43 GMT
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What you have now is better than what we were discussing on the thread you referenced. That thread discussed de-rating the resistors because the amplifier power level was so low. It was a convenience thing, I suspect.

One can always have more thermal capacity than is required. The only problem is not having enough thermal capacity, which causes parameter shifts and eventual failure. But there is no penalty for having too much thermal capacity. The resistors will all just run nice and cool. 8)

Subject: Re: 4Pi Xover Optimized for SET Amps
Posted by slhijb on Wed, 01 Jul 2020 10:34:33 GMT
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Thanks Wayne. Got it.