
Subject: new xo question - light dawns!

Posted by [DRC](#) on Thu, 15 May 2003 12:44:29 GMT

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Hi Wayne, I got a pair of 8 Ohm 10 watt resistors and put them in series with the mids. Didn't hear much if any change, certainly no improvement. So I took em out, put on Shawn Colvin, who has the kind of voice that exacerbates the problem and listened at lowish volume up near the drivers. The problem turns out not to be the woofer; the tweeter is still too hot! So I threw the 8 Ohm in series in front of the attenuation/comp block you sent, and things are sounding waaaaay more balanced and coherent. Very, very pretty sound. Q1: How much (additionally) have I taken the TAD2001 down with the added 8 Ohm? Q2: Back to the xo channel w/ the funky woofer portion. I took a longer look at what was happening, and now I'm really perplexed. On the good xo side, W+ and W- produce signal. Connecting W+, Input- does as well. W+, In+ produces nothing. On the funky side, W+, W- produces nothing. W+, Input - produces nothing. W+, Input *+* produces signal! What the h***? Is this puppy wired up wrong to begin with? How do I get this straight before the NE Bot meeting Saturday? The correct one sounds much better than the funky one, needless to say. Keep your ears and your mind open.
