Subject: Passive Bi-Amplification
Posted by AudioFred on Sat, 24 Sep 2011 21:40:01 GMT
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I've never tried this before, but I recently bought a couple of Emotiva Audio's UPA-2 stereo amps while they are on sale for $299 including shipping, and as of yesterday my line arrays are passively bi-amped. I've done some listening, but I haven't done any A/B comparisons to listen for any differences.
http://emotiva.com/upa2.shtm

Next week while my wife is at work I plan to do some subjective listening and some frequency response measurements using a single amp versus two. I anticipate the frequency response measurements will be identical, but there's always the possibility that separate amps for the woofers and tweeters, seening a different load, might respond differently.

Another test I'm planning is to remove the 5 ohm tweeter attenuation resistor in the tweeter crossover and adjust the tweeter amp's level control to regain flat response. The UPA-2's have a volume potentiometer on the back panel, so this will be an easy test. I'll be listening to hear if the tweeters sound different with no resistor in the signal path.
http://fredt300b.smugmug.com/Hobbies/Speakers/132721_kcDVmw#1493846637_cwCTWLQ

I'll post info on the results.