Subject: Active xover's
Posted by GrantMarshall on Thu, 28 Jul 2005 10:13:55 GMT
View Forum Message <> Reply to Message

With active xover's you have to pay attention to ohm's of the driver.With actives you don't. I'm assuming they automatically correct somehow or are they set for 8 ohm and aren't true for other impedences? Thanks in advance.Grant.

Subject: Re: Active xover's
Posted by GrantMarshall on Thu, 28 Jul 2005 11:21:01 GMT
View Forum Message <> Reply to Message

Opps. Change the "With active xover's you have to pay attention to ohm's of the driver."to "With passive xover's you have to pay attention to ohm's of the driver."Thanks,Grant.

Subject: Re: Active xover's
Posted by Larry Acklin on Thu, 28 Jul 2005 14:33:54 GMT
View Forum Message <> Reply to Message

Hi Grant- an active crossover splits the signal into frequency bands before the output amplifiers. The impedence of the drivers od not directly affect the crossover frequency, as in passive crossovers. However, driver impedence is inversely proportional to output (with solid state amps)- the 8 ohm power output of a power amp is about 1/2 of what the 4 ohm output is- 16 ohm would be half of what the 8 ohm rating is.As a practical matter, you can use the gain controls on the amp or crossover to balance outputs and levels so the result is acceptable.Figure no more than 4 ohms for any driver (or combination of drivers) and most any amp will be happy.Larry Acklin

Subject: Re: Active xover's I hate typos
Posted by Larry Acklin on Thu, 28 Jul 2005 15:43:53 GMT
View Forum Message <> Reply to Message

The impedence of the drivers DO not directly affect the...Figure NO LESS than 4 ohms for any driver...

Subject: Re: Active xover's
Posted by GrantMarshall on Thu, 28 Jul 2005 19:19:24 GMT
View Forum Message <> Reply to Message

Thanks for the response Larry.I understand it now I think. With freqency division only a certain range makes it to the amp. If you mixed 4 and 8 ohms one amp would work harder as a result of it. As long as you use integrated amps you can adjust. Thanks again.Grant.