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Subject: Reverse attenuation and HF comp. networks, active X-over

Posted by [Chris R.](#) on Tue, 21 May 2002 02:30:01 GMT

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Hi Wayne, I'm about 3/4 way done building an active crossover for bi-amping the 3677's I got from JBL. What I began thinking about is the HF comp network. Since it ends up being a bypassed voltage divider, I was trying to figure out what resistor values to use for a given compensation. If I need ~10dB of relative boost at 20KHz, starting above say 12KHz, it seems I'd need a divider with 10dB attenuation, then bypassed for a 3dB point around where I want the boost to kick in. Two questions. Using 10K ohms as the series resistor, what value goes to ground? If I'm feeding the output to the highpass filter, does it need another op-amp buffer between the HF comp and the HP filter? Thx, Chris