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Subject: Wayne or anybody: L-pad values  
Posted by [Adam](#) on Mon, 15 Jul 2002 20:34:17 GMT  
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Hey, I need resistor values for R1 and R2 for an Lpad, padding an 8 ohm compression driver down 18 decibels. Yes, I know... It's terrible. It's for a buddy of mine to use temporarily until we can get him setup with an active xover. Thanks guys. Adam

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Subject: Re: Wayne or anybody: L-pad values  
Posted by [bmar](#) on Mon, 15 Jul 2002 22:13:13 GMT  
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Hi Adam, I'll give it a shot with -18db=R1= 50R2= 12Bill

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Subject: Re: Wayne or anybody: L-pad values  
Posted by [Adam](#) on Mon, 15 Jul 2002 23:38:57 GMT  
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Thanks man! Adam

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Subject: Re: Wayne or anybody: L-pad values  
Posted by [Wayne Parham](#) on Tue, 16 Jul 2002 03:28:31 GMT  
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R1 is the "load" for the high-pass filter and R2 is a series attenuator. Capacitor C1 is placed across R2, and is 0.22uF for a 1.6kHz crossover and 0.66uF for an 800Hz crossover. I say all this as a reminder that the three components are part of the filter formed also by the compression horn and the Butterworth crossover filter. The thing is designed to provide specific damping at the crossover frequency, so that the first couple of octaves are flat before augmentation starts. This is

compensation for the compression horn, you would choose R1 and R2 values that added to be approximately 8 ohms, but that acted as a voltage divider, cutting power to just under 2%.

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Subject: Re: Wayne or anybody: L-pad values  
Posted by [Adam](#) on Tue, 16 Jul 2002 11:04:36 GMT  
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Wayne, I don't need the compensation circuit, only the attenuation. Long story, it's for a temporary network for a car horn. Doesn't need the attenuation because of the flare rate and whatnot. Thanks dude. Adam

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