Subject: How to connct an L-pad ?
Posted by ports on Sun, 16 Nov 2003 13:50:09 GMT
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I would like to install L-pads on the tweeters that I'm using in a set of cabinets that I'm refitting with new drivers but I have no idea how to connect them. The L-pad has 3 "prongs" numbered 1-2-3....how do you connect the "+" & "-" wires from the speaker terminals to the L-pad & then to the tweeter ? These are 100 watt mono L-pads. Any info at all will help as I am NEW to this sort'a thing.....thanx in advance....ports.

Subject: Re: How to connct an L-pad ?
Posted by Bill Martinelli on Sun, 16 Nov 2003 15:03:54 GMT
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Most L-Pads connect like this1) Ground2) Output3) Input

Subject: Re: How to connect an L-pad ?
Posted by Jeff Robinson on Sun, 16 Nov 2003 15:08:15 GMT
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It should have come with a wiring diagram. The ones I've used have been marked to use terminal 1 for ground, 2 as load and 3 as input. In other words going from lowest number as lowest potential to ground to highest number as highest potential to ground. Do remember if using 2nd order network to reverse the polarity of the tweeter.HTHJeff Robinson

look for - X-over for 8"

Subject: Re: How to connct an L-pad ?
Posted by Jeff Robinson on Sun, 16 Nov 2003 16:06:26 GMT
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In re-reading your post I notice you make no mention of an existing crossover network. If using an amp larger than 2 watts you must use a crossover network or you will almost certainly blow your tweeter. The cabinet + (hot) and - (ground) terminals feed power into the crossover. The crossover output then feeds "high pass filtered" signal power to the L-Pad which then feeds the tweeter. The simplest crossover is a first order (6 dB/oct) which is just a single capacitor in series

higher order crossover topologies but you'll need to do some studying before attempting to design a crossover from scratch.Jeff Robinson

look for - X-over for 8"

Subject: Re: How to connect an L-pad ?
Posted by ports on Sun, 16 Nov 2003 17:16:44 GMT
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I'm using the L-pad with a Motorola KSN1165 piezo tweeter with no x-over on the tweeter, just rolling off the woofer with a .8mh coil. ports.

Subject: Re: How to connect an L-pad ?
Posted by Wayne Parham on Sun, 16 Nov 2003 21:48:34 GMT
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If your L-Pad is made for an 8 ohm load, then put an 8 ohm resistor across your tweeter. If the L-Pad is for 16 ohms, then put a 16 ohm resistor across the tweeter. Piezoelectric tweeters are primarily capacitive, and have fairly high impedance, so you'll need to add a shunt resistor across the tweeter to form a voltage divider for the L-Pad to work. Give that a try and see what happens.

Subject: Re: How to connect an L-pad ?
Posted by ports on Mon, 17 Nov 2003 10:42:05 GMT
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Thanks Wayne....I'm toying with the idea of using these L-pads right now but they might not be necessary....the KSN1165's are apparently 96db efficient & the Delta 12LF are 97db efficient....they should be okay on their own ? If I was to use 2 II65's for each speaker would you advise wiring them in series or parallel...if parallel should I use the L-pads to turn them down ?Thanks in advance....ports

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