
Subject: Resistor values to take the 2123 down 6, please

Posted by [DRC](#) on Tue, 13 May 2003 15:41:53 GMT

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Wayne,I've misplaced the e-mail in which you told me what resistors to apply where in my crossover to take the JBL2123 down 6dB. Would you repeat the advice here, please.Received the decals today, btw. Thanks!

Keep your ears and your mind open.

Subject: Re: Resistor values to take the 2123 down 6, please

Posted by [Wayne Parham](#) on Tue, 13 May 2003 17:27:39 GMT

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If the speaker were a purely resistive 8 ohm load, then an 8 ohm resistor in series would be perfect. It's simple and it would pad the speaker 6dB. But since the speaker is not purely resistive and has reactive properties, a series resistor will change the characteristics. If there is series capacitance, it will change the Q of the crossover filter and tend towards peaking. So you might want to include some shunt resistance to counteract this tendency. One could check it all out in Spice, but I think you would be safe with the general-purpose values of 4 ohms in series, followed by 8 ohms in shunt, across the midrange.

Subject: Re: Resistor values to take the 2123 down 6, please

Posted by [DRC](#) on Tue, 13 May 2003 17:37:52 GMT

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Hi Wayne!The mid in question is the 16ohm version. Should I make that 8 and 8?

Keep your ears and your mind open.

Subject: Re: Resistor values to take the 2123 down 6, please

Posted by [Wayne Parham](#) on Tue, 13 May 2003 17:40:51 GMT

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Oh, I see, your driver is the 16 ohm version. I assumed it was 8. So for a 16 ohm driver, make the attenuation network be 8 ohms in series and a 16 in shunt.

Subject: Re: Resistor values to take the 2123 down 6, please
Posted by [DRC](#) on Tue, 13 May 2003 17:45:07 GMT
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Thanks!Gotta get this balance really right for the NE Bots Saturday do.I'd mention Steve's proposed menu, but it would create a stampede ;-)
Guys - Go out and BUY Hugh Masekela's "Hope". Don't ask why; just DO it! (Someday I'll find a copy on vinyl, but for now CD will do.)
Keep your ears and your mind open.

Subject: Re: The Truck is Packed
Posted by [bmar](#) on Tue, 13 May 2003 20:42:51 GMT
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Hi Dave,I'm all packed and ready to roll! I'll leave at 6am, take a nap and Chris should have us rolling in around 1pm! Bill

Subject: Re: The Truck is Packed
Posted by [DRC](#) on Wed, 14 May 2003 09:43:51 GMT
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Man, you are dedicated. I can't believe you're makin' the haul. Steve C. keeps asking me, are you sure he's coming? Does he know how long a drive it is? ;-)
3 days and counting. I'll be runnin' the speaks pretty hard for the next couple days trying to break 'em in. (I may have to sit outside while this is going on. Either that or pretend I'm at a concert for 3 days! Woodstock at Glastonbury! See ya there!
Keep your ears and your mind open.

Subject: Re: The Truck is Packed
Posted by [bmar](#) on Wed, 14 May 2003 16:26:07 GMT
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There was a post on hug by Bill suggesting for a louder break in volume level. Try facing the speakers face to face and wire one unit opposite phase from the other. sounds like it could work. Sure wont hurt to try. I just through a couple moving blanket over them
Being a native Rhode Islander I feel a deep draw to a New England bottle head meet! Bill

Subject: Re: The Truck is Packed
Posted by [DRC](#) on Wed, 14 May 2003 16:42:30 GMT
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Yep, I'm familiar with that ol' trick. Trouble is, I'm in the same room with them all day, and would like to listen to music, too! ;-)
Keep your ears and your mind open.

Subject: We'll have a cold one waiting for you
Posted by [Steve Culton](#) on Thu, 15 May 2003 12:24:16 GMT
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Or two. ;-)
See you Saturday.