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Subject: Electro Voice EV15L  
Posted by [Cowan](#) on Tue, 17 Aug 2004 18:48:19 GMT  
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I just bought a pair of mint EV15L speakers, boy what a find. I'm having a hard time deciding what kind of speaker to use them in. What were they originally used in?

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Subject: Re: Electro Voice EV15L - Check here  
Posted by [wunhuanglo](#) on Wed, 18 Aug 2004 10:22:24 GMT  
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<http://www.geocities.com/tadgesualdo/12trxbwebsite.html>  
<http://www.geocities.com/tadgesualdo/12trxbwebsite.html>

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Subject: Re: Electro Voice EV15L - Check here  
Posted by [Cowan](#) on Wed, 18 Aug 2004 19:16:16 GMT  
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Thanks that is exactly what I was looking for!

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Subject: What do you want to do with them?  
Posted by [Bill Fitzmaurice](#) on Thu, 19 Aug 2004 15:35:26 GMT  
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The EVM15L is the Electro Voice Music(Instrument)Lead: an electric lead guitar speaker. Great sensitivity, very wide range- and not much good below 80 Hz unless you put it into a pretty good sized horn. Whether or not they're usable for you is very much usage determined. Fabulous for lead guitar, very good for large format PA, especially when horn loaded, but easily surpassed by other options in hi-fi/HT applications. Almost useless as a true woofer.

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Subject: au contraire ...try karlson  
Posted by [gazzamongo](#) on Thu, 19 Aug 2004 16:17:07 GMT  
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thunderous bass (super agile mid bass too) with evm15l's in my k15 karlsons...and that's with a teeny-tiny 15w.p.c brit' amp (naim nait)give em a try ...you might just like themgaryalso...are they not the preferred driver for the edgarhorn 100 hz mid bass horn (obviously sub reqd with this one), so that another useful design to use them with

[http://uk.pg.photos.yahoo.com/ph/gazzamongo/album?.dir=6982&.src=ph&store=&prodid=&.done=http%3a//uk.pg.photos.yahoo.com/ph//my\\_photos](http://uk.pg.photos.yahoo.com/ph/gazzamongo/album?.dir=6982&.src=ph&store=&prodid=&.done=http%3a//uk.pg.photos.yahoo.com/ph//my_photos)

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**Subject: Re: au contraire ...try karlson**

Posted by [Bill Fitzmaurice](#) on Fri, 20 Aug 2004 13:16:50 GMT

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Of course I can't say without measuring them, but I doubt that your Karlsons do much below 50Hz. Nothing wrong with that of course, and they will be pretty efficient with that driver, but nowadays it's more or less expected that a fifteen would go down to the 30s at least, and an EVM15L just doesn't have that ability without being in a big horn. And yes, it works great in a 100 Hz horn, but again that chore is just as easily accomplished with an eight in a far smaller box. Don't get me wrong, the 15L is a great driver, but one can achieve a very adequate level of performance with a much smaller driver and a much smaller box to put it in. I haven't used a driver larger than a twelve for ten years in pro-sound applications, let alone hi-fi/HT.

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**Subject: i admit karlson are wierd**

Posted by [gazzamongo](#) on Fri, 20 Aug 2004 16:07:50 GMT

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but in room, generating tones on true rta they seem solid to below 40 hz before amplitude begins to dip and still have good output to around 35hz and seem to load the cone very well with little cone movement at kidney massaging levels i realize that's very subjective as far as empirical evidence goes and would love to properly test the in room response, but the real point of the post was that this driver will definitely not sound bass light in this cabinet and imho it would be as shame if the poster did not give karlsons a try as they are an easy build and he now owns some of the best drivers for them. i'll bet a bass reflex with this driver would be no competition nothin to lose but time, money and plywoodgazza

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**Subject: Not all that weird**

Posted by [Bill Fitzmaurice](#) on Sat, 21 Aug 2004 16:10:21 GMT

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A Karlson is simply a series tuned dual chamber reflex, though the funky exponential port on the front chamber makes it appear to be something more complex than that. Even Karlson himself didn't really know what it was he'd created, understandably so since it predated T/S by some 15 years or so. He called it a horn, which it clearly is not. He also made some claims for its frequency response that were optimistic at best, questionable at least. With music program it isn't bass light, for the simple reason that with music program the greatest amount of bass energy lies from 60 to 100 Hz, and in that zone a Karlson loaded with a 15L works quite well, though a 15B would be a bit better, and an E140 better still. It's enjoys a following as an electric bass cabinet for just that reason. Where it falls short is in HT use, where there can be a lot of effect content in the 30-60 Hz range, and with a low Qts/high Fs MI driver it just doesn't work well down there. With some tuning it could be interesting with a modern sub driver.

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Subject: Re: Not all that weird

Posted by [jbarlow](#) on Sat, 21 Aug 2004 20:32:47 GMT

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How would you say a Karlson compares to a horn?

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Subject: lab12?

Posted by [gazzamongo](#) on Sun, 22 Aug 2004 08:34:32 GMT

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hi bill,you know what, the karlson forum would be whooping with joy if someone with the know-how could optimise a sub bass version of the karlson cab with say a.....lab 12are you the 'man that can'?cheers anywaygazza

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Subject: Not me

Posted by [Bill Fitzmaurice](#) on Sun, 22 Aug 2004 15:53:39 GMT

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I would have toyed with the idea 20 years ago, but these days I'm making horns a quarter the size of the Karlson that run 6dB hotter, so it's not a path I'd likely go down.

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Subject: Re: Not all that weird

Posted by [Bill Fitzmaurice](#) on Sun, 22 Aug 2004 16:03:30 GMT

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It really doesn't. The only resemblance is in the shape of the exponential cutout of the front. From a performance standpoint it's a dual chamber reflex, but the front port is so large it doesn't exhibit the usual bandpass characteristics of dual chamber reflexes. It resembles a horn in that there is a chamber that the front wave fires into rather than going direct to the air. That chamber does lower the box Fb as compared to without the front chamber, but it does not add significant broadband gain to the system as a horn does.

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Subject: "does not add significant broadband gain"

Posted by [jbarlow](#) on Sun, 22 Aug 2004 20:15:28 GMT

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That's what I thought. If it doesn't add gain, I guess I just don't understand. Seems like front chamber would cause reflections and color the sound. If it doesn't add gain to make it worthwhile, what's the point?

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Subject: Re: "does not add significant broadband gain"

Posted by [Bill Fitzmaurice](#) on Sun, 22 Aug 2004 20:42:41 GMT

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Because the lowering of the Fb by the front chamber allows the driver to operate to a lower frequency than otherwise. In effect you do get gain in the low end over a single-chamber reflex, but the amount of gain is slight (3-5dB or so) and only extends over perhaps a half-octave range at best, compared to a horn where gain of 10-15dB over a two octave or better bandwidth is de rigueur.

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