
Subject: Pro Sound Driver Sensitivity
Posted by [FredT](#) on Mon, 28 Feb 2005 19:45:45 GMT
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Why are pro sound drivers like the Eminence drivers so sensitive? How are they built differently from home audio drivers?

Subject: Re: Pro Sound Driver Sensitivity
Posted by [akhilesh](#) on Mon, 28 Feb 2005 20:35:29 GMT
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I am sure others will add, but here's my 2 cents:cent 1: Huge magnetscent 2: light cones-akhilesh

Subject: Re: Pro Sound Driver Sensitivity
Posted by [Bill Fitzmaurice](#) on Mon, 28 Feb 2005 22:38:16 GMT
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True, and the resulting high fs and low Qts quite often will result in cent 3: No bass. Unless you put them in horns or other boxes that can bring the bass response up, that is. Newbies very often toss pro-sound drivers into inadequate boxes and are puzzled why they have no bass response. The steps required to gain high sensitivity is why.

Subject: Re: Pro Sound Driver Sensitivity
Posted by [akhilesh](#) on Tue, 01 Mar 2005 13:33:21 GMT
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I agree. BIG boxes! -akhilesh

Subject: But you get used to the size
Posted by [GarMan](#) on Tue, 01 Mar 2005 15:47:04 GMT
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After getting used to living with 5 cubic ft boxes, 3 and 4 cubic ft cabinets seem small. Although I

wouldn't push my luck with my wife and try for a pair of 10 cubic footers.

Subject: Re: Pro Sound Driver Sensitivity my 3.5 cents
Posted by [Bill Wassilak](#) on Tue, 01 Mar 2005 19:45:35 GMT
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Laws of physics, you can't have low frequency extension without giving up sensitivity or, you can't have high sensitivity without giving up low freq. extension. You can have one or the other but not both. Bill W.

Subject: Re: Duhh lets try my 3.5 cents again
Posted by [Bill Wassilak](#) on Tue, 01 Mar 2005 19:57:09 GMT
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I just said the same thing in the last post I think DUH. What I meant was Low freq extension less sensitivity. Hi sensitivity less low freq extension. Because of the laws of physics you can have one but not the other. Bill W.

Subject: Re: But you get used to the size
Posted by [Mike.e](#) on Wed, 02 Mar 2005 00:45:01 GMT
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I know, my 2226 uses 6cubes INTERNAL + 1cube port so almost 7cubes all up, my mains are tiny though And its not getting any smaller either, am thinkn of makn 2226 horn from 17mm PLY-I hope its strong! Cheers

Subject: Hoffmans Iron Law
Posted by [Bill Fitzmaurice](#) on Fri, 04 Mar 2005 18:20:54 GMT
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The law is correct, but there is a common misconception associated with it. It's true that from a given driver, box size and alignment that there will always be a trade off between size, extension and SPL. However, from a given box size alone there is not an absolute relationship between extension and SPL. The driver parameters and alignment are just as important as controlling

factors in the equation.
