
Subject: Why do they cost so much??

Posted by [djm](#) on Thu, 11 Aug 2005 19:17:34 GMT

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Hi. I am looking at single driver speakers again. I saw a single driver speaker company named audio tekne and is a small stand mount. These speakers cost so much but look so old. I saw them on hi-hi farm for sale. That is where you can see what I am taking about. Why so much money and why so little and is this driver such a big deal that it cost so much to make it? Why is this speaker company making you pay so much? Can some one please help me understand? Thanks jm. P.S. Some people say it sounds like a \$80,000 dollar speaker but I think that is far from the truth.

Subject: Re: Why do they cost so much??

Posted by [Manualblock](#) on Thu, 11 Aug 2005 21:08:39 GMT

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Have you ever heard an 80,000\$ speaker? Maybe they do sound as good. The materials in the driver and the difficulty of manufacture and tolerance is where the money goes.

Subject: Because they are a <i>very</i> big predicament.

Posted by [Poindexter](#) on Fri, 12 Aug 2005 01:56:53 GMT

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Ten octaves range for a mechanical transducer that must put several acoustic watts into a medium-sized room is a colossal engineering nightmare. If it must as well disperse the highest frequencies across a horizontal 30° or so, all the worse. Educate yourself. Do the research. Solve the problem for yourself (or not!). Guys with doctorates in this stuff have torn their hair out over this problem. I'm glad I don't have to solve it; I can just spend a few hundred clams, and pay somebody else to. Aloha, Poinz

Subject: Re: Why do they cost so much??

Posted by [djm](#) on Fri, 12 Aug 2005 11:47:48 GMT

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Thanks for the help. Jm

Subject: Re: Because they are a <i>very</i> big predicament.

Posted by [roncla](#) on Sat, 13 Aug 2005 00:45:36 GMT

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Guys with doctorates in this stuff have torn their hair out over this problem. Not a problem, and I don't even have a doc degree (hell almost didn't get my BS degree). Take a Jordan 4" driver and re-enforce with a BLH or TL (like GM's design). Presto, ya gotta 10 octave range. As I work with acoustical physics every day (very high frequency range) I can state that it's all dependant on what the final sound is desired and the room size, dimensions, dynamic range required, source, amp ect ect. ron

Subject: Re: Because they are a <i>very</i> big predicament.

Posted by [roncla](#) on Sat, 13 Aug 2005 00:52:55 GMT

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hell almost didn't get my BS degree See! kint even speell! ron

Subject: Not a problem . . .

Posted by [Poindexter](#) on Mon, 05 Sep 2005 02:36:13 GMT

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That's because you shunt the problem to Dr. Ted, who has torn his hair out over this predicament for years, and now makes the solution available to you for mere hundreds of (Shrub devalued) US\$. Deferring the problem does not remove it, it just removes it from your sight, if you are short-sighted. I reiterate; a driver that can output an acoustic watt into an average room with flat frequency response over ten (okay, nine) octaves, and okay dispersion on top, is an engineer's nightmare. So, it's not your nightmare. Lucky you; blow a kiss at Dr. Ted. Aloha, Poinz
