

---

Subject: Basshorn driver specs

Posted by [Kevin Jordan](#) on Sun, 03 Oct 2004 14:57:56 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

On the subject of basshorns, there seems to be two schools of thought. The traditional "old school" method is to use large, stiff, high fs, low xmax woofers. The reasons stated for this choice are that the horn makes the bass and excursion isn't required because the horn transforms high pressure low excursion at the cone into low pressure high volume at the mouth. Then there is a new school of thought that uses small, compliant, low fs, high xmax woofers. The reasons stated for this choice are that even though excursion is reduced, the deepest bass requires excursion anyway, more than is possible with the old school stiff drivers. They say the use of high fs, low xmax drivers is largely due to folklore and should be avoided. With drivers like the LAB12 (fs=22, xmax=13mm) and the HL10 (fs=32, xmax=11mm), it would seem the common trend is towards low fs, high xmax drivers for basshorns, just like for other bass speaker designs. What are your thoughts here? Rgs, Kevin

---