Subject: compression driver + 15 inch or large piezo horn + 15 inch
Posted by Rudi on Tue, 23 Apr 2002 18:31:50 GMT
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What is the difference between a 1 inch compression driver + 15 driver; and a piezo driver with a large horn[rectanglar horn].Eminence Delta pro 15 300w rms bass driver + Eminence pds2002 1 inch compression driver 80w rms + Eminence pxb2-1k6 crossover.OR Eminence Delta pro 15 300w rms bass driver + Motorola ksn1140 piezo driver + CTS 15 inch x 5 inch exponential abs plastic horn.Also I've seen some new Peavey 2 way cabinets featuring 4 ports.why would a normal 2 way design have 4 ports.I thought only bass bins or subwoofers have that many.

Subject: Large format piezo midrange/tweeters
Posted by Wayne Parham on Tue, 23 Apr 2002 19:32:46 GMT
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I can't comment about large format piezo drivers. I don't use them. I use the KSN 1038, which is one of a family of devices introduced by Motorla for use above 3500Hz.

Subject: Re: compression driver + 15 inch or large piezo horn + 15 inch
Posted by Adam on Tue, 23 Apr 2002 20:49:36 GMT
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Personally, I'd totally go with the compression driver.Even larger sized piezos may only go down to 2 or 3 kHz with authority. This frequency is too high for a 15" woofer to run up to effectively. Go for the compression driver.As far as the ports go, well how many 'ways' a system has has nothing to do with ports. A 2-way system simply means that the frequency band is split into two portions, each diverted to different speakers. So a 2-way system would have a woofer and a tweeter. A three way system would have a woofer, midrange and tweeter. Etc.Adam

Subject: Re: compression driver + 15 inch or large piezo horn + 15 inch
Posted by mhammill on Tue, 23 Apr 2002 23:06:24 GMT
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The ksn1188 piezo does go down to 700hz and is remarkably smooth with a 5x15 parts express horn but the efficiency is no match for a delta15. It's about 93db and a delta15 is more like 100db so it just won't keep up. But there are other 15" woofers that would work very well with this horn.But no match for a theater 4pi.Good luck.Mike H.