Subject: One of my favorite little two-way speakers
Posted by Wayne Parham on Thu, 20 Nov 2003 17:49:44 GMT
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Some people like piezo tweeters, and some don't. I suggest that one should listen to the KSN 1038 before they decide though. It is a distinctly different product than the KSN 1005 "lemon squeezer," which is the model that is most popular in low-cost PA speakers. I don't care for the

said, I think the KSN 1038 tweeter is a good sounding device, particularly for their cost. It has flat response and low distortion, whereas the annoying KSN 1005 peaks in the vocal overtone region very badly, giving it a "spitty" sound which I suspect is the single biggest thing that people don't like.I would not pair a high-efficiency 8" or 10" midwoofer with a 1" compression horn because this is to essentially have two midrange devices. If building a four-way, then a transition from 8" or 10" midrange to 1" compression horn is perfect. But if building a two-way system, I'd rather have a tweeter that is tuned a bit higher because that allows the system to deliver greater bandwidth. After all, a 1" compression horn shares over three octaves of operating range with high-efficiency 8" or 10" speaker, so pairing them together wastes a lot of bandwidth.One of my favorite little bookshelf speakers of all time used a JBL Profesional Series 2115 - which is an 8" full range midwoofer - paired with a KSN 1038 tweeter. The only parts used were a 0.5mH coil in series with the (8 ohm) woofer and a 0.33uF capacitor in series with the tweeter. The coil tamed some rising response in the 8" driver and the capacitor attenuated the tweeter to match. Functionally,

speaker, and it combined a $200.00 JBL driver with a $10.00 piezoelectric tweeter, and it was probably my most popular model in the 80's. Sounded fantastic, and there are still many, many units out there, with happy, long-term owners.