Subject: exteme bass drowning out treble and midrange
Posted by Rudi on Wed, 16 Jan 2002 02:05:31 GMT
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I've got a soundsystem that I have in my own club the problem isthere is more than plently enough thunderous bass,but this drownes out the midrange and treble,so many clubbers complain.It consists of 8 x 18 inch scoop bass bins loaded with EMINENCE KILOMAX 18 INCH,20hz-600hz,1000W RMS EACH DRIVER,spl 1w/1m 104db.8 ohm4 x 15 inch w-folded horn bins loaded with FANE COLOSSUS 15, 15 inch 600wrms each driver,25hz-2khz,spl 1w/1m 100db,8 ohm4 x 12 inch PD AUDIO,150w rms fullrange,dual cone,50hz-15khz,spl 1w/1m92db,8 ohm4 x 12 inch Mc Kenzie 300wrms midrange,500hz-10khz,spl 1w/1m 106db,8 ohm12 x Motorola piezo square horn tweeters,75wrms,spl 1w/1m 107db6 way active crossover 8 x QSR Power amp,twin fan cooled,full protection circuits,2000wrms per channel 4-16 ohm 2x Mackie Audio power amp,fan cooled,full protection circuits800wrms per channel 4- 16 ohm1x soundlab power amp,fan cooled,full protection cicuits,300w rms per channel,4-16 ohm

rare 21 inch and 24 inch bass drivers,plus other stuff

Subject: Use compression tweeters
Posted by Wayne Parham on Wed, 16 Jan 2002 03:17:09 GMT
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Piezo's aren't bad for some things but I think you're outrunning them with the rest of your gear. Try some compression drivers instead. You might want to hornload your mids too, or use more of them. With that many drivers, it might be best to make line arrays for the 12" drivers and tweeters and hang them at each side of the stage.

Subject: Re: Use compression tweeters
Posted by Adam on Thu, 17 Jan 2002 14:44:53 GMT
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Definitely agreed. You seem to have a bit of a hodge-podge collection of equipment going, you might be well off to simplify a bit in the future when you have the cash. I have no clue how big your club is, but having 12 large bass bins going is accomidation for at least twice that number of full range speakers running. A lot of very large clubs will use that number of bass bins. Having said that... if you do have a big club, you could should probably be upgrading the number of full range speakers you're using as well as their quality. Simplifying things down to the bass bins and numerous 2-way full range speakers would probably improve the sound a lot.If you have just a small club, you would still be better off cleaning eveyrthign out and simplifying it. You could probably do away with the 4 15" bass bins and sell them or something.Anyway, just some thoughts for future upgrades. I've actually got plans to start my own club in the next few years as

well, so I've been stewing over setups quite extensively.You might also want to consider the selenium compression drivers such as these: http://www.partsexpress.com/pe/showdetl.cfm?&DID=7&Product_ID=6315&CATID=49 . I've heard they're actually quite nice and not as expensive as the PSD 2002's.Adam