
Subject: assistance designing live-sound setup for band
Posted by [Mike Lemke](#) on Wed, 06 Jun 2007 03:41:42 GMT
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Hi all - I have a few questions about setting up a system for live sound. I'll give you as much background info as I can.1 - There are three possible scenarios I would like to use this system for; a) practice in basement, b) small to midsize gigs in about max 25' X 40' rooms, and c) playing outdoor parties for no more than a couple hundred people.2 - Depending on the gig, we are either playing heavy metal to classic rock, or more psychedelic stuff like pink floyd with lots of keyboards and acoustic work.3 - The only thing set in stone is the power mixer; I have a behringer pmp3000 (215/450 watts rms per channel at 8/4 ohms, 900 watts rms bridged). I do not want to buy additional power amps if I don't have to.4 - I mainly want to run the whole drumset, bass guitar, keys (when used), and vocals through this unit. For any of the above mentioned scenarios, the guitars are loud enough on their own. We actually overpower the drums sometimes, so yes I do want to have the ability to mic amplify the drums. I can always turn them down if they are too loud (no really...I'll turn them down...)5 - I am intrigued by the Titan 48 and DRxx combo's by BFM, because of their small size. However, I want to be sure I end up with a configuration that thumps your chest with the kick drum and bass guitar that rattles your teeth, as well as beautiful clear mids and highs. And if possible, the hope diamond for a quarter.6 - I love the challenge of building these, am handy enough with woodworking and can at a minimum solder repairs to guitar electronics. With all that, I plan to build these myself once I decide on the right configuration.7 - I'd most like to end up with a simple set of subs and mains for the audience, and a small set of monitors for the band.Q1 - based on the above, are the T48 and DR200 the best combination for the audience, with perhaps the BFM monitors for the band? Do you recommend another setup with better characteristics and performance?Q2 - Given my mixer and what I'd like to achieve, is the 450watts/channel enough power? This is another reason the BFM combos looked so appealing, they seem to have such low wattage requirements for apparently great performance.Q3 - If so, how in the heck do I hook that up? If the mains and subs run out of output A, and the monitors go from output B, how do I wire all the speakers from output A together and likewise for the monitors?My guess is for Output A, I wire sub1 to main1, and parallel connect that to sub2 and main2 as an 8 ohm load? For Output B I wire monitor1 and monitor2 together in parallel as a second 8 ohm load. Q4 - Does that make sense, or am I asking for smoke from somewhere?My other guess was I would run the mains through A and the monitors through B, and be forced to get a single amp for the Sub through the mono line level out of the mixer.Q5 - If I do the latter guess, will a single sub cabinet produce the kind of cave your chest in bass drum I am looking for?Q6 - I have been reading on this board, and it sounds like regardless of what setup I use I need an active crossover - however, do I need one for each cabinet, one for each output, or one for everything?I know this is a lot of info, but I am trying to save you time by giving as much as possible up front and asking all the questions I can think of right away. I'm terribly sorry if I broke some sort of posting etiquette - I'm fairly new at message boards.Thanks in advance for all your help...Mike
