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Subject: overloading powered speakers

Posted by [warwick](#) on Sun, 29 Apr 2007 01:48:55 GMT

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i do the live sound in a small club, system is 2 rcf powered speakers and a big old peavy sub, most gigs are lighter rock or jazz gigs and everything works fine. but occasionally metal bands play and the volume levels go way up and its a mission just getting the kick, bass and vox above the monstorous guitar and cymbal noise from the stage. i've read plenty of people talking about possible speaker damage from overdriven amps but cant find any clear information explaining the gain structure all the way from the desk to the speaker. if the powered speakers are set fairly low (5/10) but the desk is pushed as far as it can go are the speakers in danger? the built in limiters are certainly limiting, but im dont think im hearing distortion... just fairly ugly compression.if i were to drive the desk this hard into a system without limiters would it be more dangerous to the speakers?warwick

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