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Subject: Re: National Semiconductor Amp Modules  
Posted by [Skip Pack](#) on Tue, 21 Sep 2004 21:51:55 GMT  
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I've built an inverted 1875 based amp using Scott Nixon's boards, and a couple of BrianGT's standard kits. Others are awaiting my attention. I have driven One Pi Studios with the 3875 and 2 Pi Towers with the 1875. With that efficiency, I get plenty of volume. In the chip amp forums, there is a train of thought that you need regulation to take the 3875 much above 20 watts for a less sensitive speaker as the power supply ripple starts to be heard whereas the chip's amazing ripple rejection does the job below the voltage where the power is becoming more intermittent due to the lack of power supply smoothing capacitance. Everybody seems to agree that simply adding capacitance to the unregulated amp dulls the music. I'm not knowledgeable enough to assess this position, but I sure like them on the Pi's. Skip

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