
Subject: Pi 4 theatre plans

Posted by [BFP](#) on Wed, 29 May 2002 15:24:19 GMT

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Wayne, I have recently built a 50w tube amplifier and I am thinking of building the Theater 4 PI. Could you send me a copy of the plans. Thank you for the very nice article on crossover design and speaker motors on your site. Just a quick note on tube amp. output impedance. Many of the small SE 2a3 and 300b amps do not use feedback. This causes the output Z to be quite high(Often in the 2 to 4 ohm range.) Also sometimes even large tube amps without feedback like the Mesa Baron at about 100watts have a high output Z. The Baron is 4 ohms or greater. This much output Z has serious effects on damping. It also acts as a voltage divider so that the voltage at the speaker terminals varies with changes in speaker impedance. This can result in peaks of several DB at the typical crossover related Z peak. Got to go. Thanks Brian