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Subject: Re: amp input stage

Posted by [PakProtector](#) on Sat, 09 Apr 2005 15:58:02 GMT

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Well, the pre that can drive anything is right beside the perfect amp...At a more practical limit, we have Guinevere. Merlin is fairly high input Z, basically as set by the grid leak of the driven triode. I think I drew this at 100k, but 47k resistor would be a good suggestion, and less might be even better. The cascode shields the grid in a similar way the screen grid in a pentode does, so we don't have a triode's  $C_{g-a}$  multiplied by Miller capacitance. I take Wayne's mention of noise resistance as important. If we're going to drive Merlin with a pre like Guinevere, we can probably cut the input grid leak resistor to 20k or less w/o troubles. I am going to get out the Iron and try some of this on my amp as soon as I can. regards, Douglas

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