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Subject: Re: Mic Preamp

Posted by [Wayne Parham](#) on Mon, 17 Sep 2007 22:58:12 GMT

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An AC power supply rectifies DC power from AC, so there is necessarily a filter. You'll have rectifier switching artifacts and low frequency AC noise to deal with. A battery does not have these issues. A battery has higher internal source impedance and has to be recharged or replaced, so those are the downsides to a battery. But it is pretty noise free and can be an attractive option, especially in a circuit like this that needs to be noise free and that has very low current draw.

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