Subject: Re: Microphone Interface
Posted by Wayne Parham on Fri, 04 Jan 2013 21:42:54 GMT
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That's pretty cool, Bruce. Lots of capacitance in there with good long RC time constants to make the supply smooooth. Gives a good voltage too, just right for standard IEC 61938 phantom power.

On a semi-related note, the little electret condenser microphones so commonly used by DIYers also need power supplied to them, although it isn't quite as high a voltage requirement as used in (any flavor of) IEC 61938. The electret capsules usually need 2-10V. I sometime use AA batteries for electret condenser power, which also provides good noise immunity. This is a little preamp circuit I use, which provides phantom power for the little microphone capsules:

Mic Preamp