Subject: Mic Preamp
Posted by Crystal on Tue, 11 Sep 2007 02:35:58 GMT
View Forum Message <> Reply to Message

Ok so I'm thinking about putting a studio together and right now I'm looking into a microphone preamp. The reason why I'm thinking I need this is because if I were to plug my microphone into my computer's soundcard or even my mixer, the quality would be horrible.Is it mandatory to get a preamp for your mic? I don't really want to buy a big bulky one because my home studio is going to be small.

Subject: Re: Mic Preamp
Posted by Wayne Parham on Tue, 11 Sep 2007 13:08:15 GMT
View Forum Message <> Reply to Message

Here's a microphone preamp, if you don't mind DIY:
Mic Preamp

Subject: Re: Mic Preamp
Posted by Crystal on Tue, 11 Sep 2007 17:25:29 GMT
View Forum Message <> Reply to Message

So how does the preamp work with the whole battery thing? I mean wouldn't you want to be able to plug in your preamp instead of sticking batteries in it?

Subject: Re: Mic Preamp
Posted by Wayne Parham on Wed, 12 Sep 2007 13:55:40 GMT
View Forum Message <> Reply to Message

You can build a power supply, sure. There is no requirement that the +3V source be batteries. Batteries are a very noise-free power source though, and the current draw is small so the batteries last a long time.

Subject: Re: Mic Preamp
Posted by Gilipsie on Thu, 13 Sep 2007 17:57:55 GMT

View Forum Message <> Reply to Message

Since the draw of energy from the batteries is small, you wouldn't actually be spending tons of money on them all the time. But I honestly prefer to plug my pre amp in.

Subject: Re: Mic Preamp
Posted by willyable on Mon, 17 Sep 2007 17:46:51 GMT
View Forum Message <> Reply to Message

So are you saying that having a power supply that plugs in isn't noise free?

Subject: Re: Mic Preamp
Posted by Wayne Parham on Mon, 17 Sep 2007 22:58:12 GMT
View Forum Message <> Reply to Message

An AC power supply rectifies DC power from AC, so there is necessarily a filter. You'll have rectifier switcing 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 curent draw.

Subject: Re: Mic Preamp
Posted by Gilipsie on Tue, 25 Sep 2007 17:17:44 GMT
View Forum Message <> Reply to Message

So you think Wayne that you should go with a mic preamp that uses batteries instead of plugging in?

Subject: Re: Mic Preamp
Posted by sacback on Wed, 26 Sep 2007 17:24:05 GMT
View Forum Message <> Reply to Message

I use a pre mic amp that uses batteries. I use to have a power supply that plugged in but in all

acutality, I feel as if I get much more quality from using batteries.