Subject: Neutrik Microphone
Posted by Ed Form on Tue, 22 Jan 2008 01:04:19 GMT
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I need to use a Neutrik 3382 measurement microphone for a week or so while I get my usual mic serviced and recalibrated. The spec sheet says to phantom power it with 15-30volts but my soundcard input has 48V phantom supplies - everything seems to have 48V now. Does anyone know if the microphone will be OK at the higher voltage?

Subject: Re: Neutrik Microphone
Posted by Wayne Parham on Wed, 23 Jan 2008 15:06:07 GMT
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That's a good question, and I think you might want to contact NTI and ask them. I would guess it would probably work, but it may affect its performance. That would bring your measurements into question, which makes it sort of missing the point to even use it. So I'd call NTI.There is one other thing you might consider. The phantom supply is provided through series resistors on pins 2 & 3,

3-1 to reduce the phantom voltage. Be sure they are perfectly matched, equal value resistors. You could put them on a microphone cord or on a little pigtail adapter. I wouldn't go smaller than

voltage in half. You can always connect the resistors across pins 1-3 and 2-3 and measure the voltage across those pins to make sure they're between 10v and 30v before connecting the microphone.
Neutrik 3382 microphone

Subject: Re: Neutrik Microphone
Posted by Ed Form on Wed, 23 Jan 2008 19:18:55 GMT
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Thanks for the reply, most helpful.I will try to speak to the Neutrik people, although the unit is no longer catalogued. Perhaps they will still know the answer.Ed Form

Subject: Re: Neutrik Microphone - an introduction.
Posted by Ed Form on Wed, 23 Jan 2008 19:33:00 GMT
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It's dawned on me that Ive been rather rude in not introducing myself to the forum: so here goes...I'm Ed Form, based in Suffolk in the UK, and I've been around the audio business for some while. In a past life I was technical director of Tannoy, and, before that, technical director of Celestion. I'm not really connected to the audio business these days, except as an occasional consultant, but I haven't lost my love of all things audio.I hope to see you all in the forum on a regular basis, now that I've found it.

Subject: Re: Neutrik Microphone - an introduction.
Posted by Wayne Parham on Fri, 25 Jan 2008 03:58:56 GMT
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Nice to meet you, Ed. I must say I'm impressed with your career accomplishments. I'm a hobbyist that builds speakers and kits as sort of a side business. Me and a few of the regulars around here decided to start this website a few years back. Thanks for writing and please visit often. I hope you become a regular here too.

Subject: Re: Neutrik Microphone
Posted by Ed Form on Wed, 30 Apr 2008 22:15:24 GMT
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After a lot of soul-searching, and in the clear understanding that any bad outcome meant buying a new microphone, I tried the Neutrik at 48volts and it has now run since late January, five days each week, and powered all day with no trouble at all.Comparative measurements indicate a sensitivity gain of just over 1dB, and I can't see any change in frequency response at all.
