
Subject: Re: Mic for Measurements - SORRY!

Posted by [wunhuanglo](#) on Sun, 13 Jul 2003 00:41:03 GMT

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Behringer ECM8000 Omnidirectional Measurement Microphone This microphone is generally available at music stores for around \$40.00. It is an electret condenser type and requires phantom power (+15 to +48 VDC) from the preamp in order to operate. You will need a mic preamp that supplies phantom power in order to use the mic with your computer sound system. Based on the frequency response curve provided with the microphone the response appears to be within plus-or-minus 1 dB from 20 to 20 kHz.

Behringer UB802 Microphone Mixer The UB802 has two microphone input channels with switchable 48 VDC phantom power as required by the ECM8000 microphone above. This unit is generally available for about \$69 in music stores.

Behringer MX602 Microphone Mixer The MX602 has two microphone input channels with switchable 48 VDC phantom power as required by the ECM8000 microphone above. This older mixer is still generally available for about \$69 in music stores. (compare to the UB802 above)

Behringer SHARK DSP110

music stores. It provides the phantom powering required by the EMC8000 microphone (above). This unit is much more than just a preamp as it includes a number of digital processing functions. Even with all the extra functions this is still one of the least expensive mic preamps available. The DSP110 is also available from the above Internet sources. The biggest problem you might have with this unit is turning off all the special features!

Rolls MP13 Mini Mic Preamp This is a very basic single channel preamp that can supply 36 VDC of phantom power to professional grade balanced microphones such as the ECM8000 above. It has both balanced and unbalanced input as well as balanced and unbalanced outputs. A single control varies the gain from 6 dB to 50 dB. A push button switch turns the phantom power on and off. It typically costs about \$89 in music stores.

Audio Buddy, Dual Mic Preamp The Audio Buddy is a two-channel mic preamp that costs about \$85.00. It provides phantom power but the voltage is not specified and may be only 9 VDC. This may or may not be adequate to power the EMC8000 mic as the mic specifies a range from 15 to 48 VDC. We mention this preamp here only because so few inexpensive products are available. Here are links to some Internet sources for the above items:

Lentines Music: <http://www.lentines.com>
8th Street Music: <http://www.8thstreet.com>
Musicians Friend: <http://www.musiciansfriend.com>