



WINNER!
Microphone
Preamplifier
Technology

Features:

MPE-200 Mic-Pre Equalizer

The MPE-200 is the first product in the new Element 78 line of Class A solid state signal processing units from Summit Audio. The MPE-200 features two channels of microphone preamp and two channels of parametric EQ, all discrete class A transformer coupled, designed by Summit Audio with Mr. Rupert Neve. Add to the incredible sound of these preamps and EQ's the versatility, precision, and control of a digital interface, and the vision of Element 78 is realized: a no-compromise analog signal path combined with an easy-to-use and powerful digital front-end. Features include 25 on-board presets for instant recall and reset capabilities, full MIDI support for storage of settings and automation, support for Digidesign's ProTools (see [Extension 78](#)), two world-class microphone preamps, two four band parametric equalizers (preamps and EQ can be used separately or routed together internally), two filters per preamp (high and/or low pass, stackable for 24 dB/octave rolloff), 48 volt phantom power, phase reversal, analog fading and more.

- Two Channels
- High Performance Microphone Amplifiers with Dual Range HP/LP Filter Section
- Coarse and Fine Gain Control for Each Section
- Instrumentation Type Input Amplifiers
- Independent Four Band Classic Equalizer
- Massive Dynamic Range
- Virtually No High Order Harmonics
- Store and Reset, Copy and Remote Control
- MIDI Controllable
- Twenty-Five User Definable Memories
- Floating and Balanced Output Transformers
- Traditional Analog Type Controls and Readouts for Ease of Operation

Specifications:

SIZE: 2u Rack Space, 14" Depth Behind Panel

POWER: 80 Watts, Selectable Power Supply

100 to 240 Volts, 50 Or 60Hz

MICROPHONE PATH:

Input Impedance for Minimal Microphone Loading:

- 10,000 Ohms

Low Noise Phantom Supply for Capacitor Microphones:

- 48 Volts

Coarse Stepped Gain Control, 4.0 dB Steps: 17 Positions:

- Unity To 64 dB

Fine Stepped Gain Control, 4.0 dB Steps: 17 Positions:

- +/-4 dB, Center 0

Factory Output Levels Set for Maximum Dynamic Range and S/N:

- +20 dBu. Balanced and Floating¹

Frequency Response (Filters Out):

- -0.5 dB 10 Hz - 100 kHz

Equivalent Input Noise at 60 dB Gain:

- *-128 dBu, Term. 150 Ohms*

Output Noise at Unity Gain (Filters Out):

- *Less Than -105 dBu*

Total Harmonic Distortion and Noise, at 8dB Gain, +20 dBu Output Level:

- *Traditional Analog Type Controls and Readouts for Ease of Operation*
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FILTERS:

High Pass	17 Steps	20-320 Hz	12 dB/Octave
Low Pass	17 Steps	4.0-30 kHz	12 dB/Octave

Filters May Be Stacked to Provide a Single or HPF or LPF at 24 dB/Octave

EQUALIZER PATH:

Line Bridging Input Impedance:

- *10,000 Ohms*

Frequency Response (EQ and Filters Out):

- *-0.5 dB 10 Hz-100 kHz*

Output Noise at Unity Gain (EQ and Filters In and Set Flat):

- *Less Than -100 dBu*

Factory Output Levels Set for Maximum Dynamic Range and S/N:

- *+20 dBu. Balanced and Floating¹*

Total Harmonic Distortion and Noise at Unity Gain +20 dBu Output Level (Filters In and Set Flat):

- *Below 0.003%, 20 Hz - 20 KHz*
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LOW MID AND HIGH MID FREQUENCY EQ:

Level: 17 Steps at 2.0 dB/Step

- *+/-16 dB Center 0*

Fine Gain Zoom: Expands Increments to

- *-0.50 dB*

Q Control

- *0.6 - 2.0*

LMF Frequencies, 17 Steps

- *100 Hz - 1.0 kHz*

HMF Frequencies, 17 Steps

- *500 Hz - 5.0 kHz*
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Shipping weight: 27 lbs.

Price: \$5,000

1. Maximum Output Available, +28 dBu
