

8173 Channel amplifier



8173 FEATURES

- 80dB Class A Microphone preamplifier, HI-LO selectable minimum input impedance, balanced and floating. High gain positions show a higher impedance, ideal for old ribbonmics.
- 10dB Class A Line Amplifier, Bridging input impedance, balanced and floating.
- Class A, single ended, 2N3055 driven high headroom output stage.
- High Frequency: +/-16dB selectable frequency shelving at 10, 12 or 16kHz, Baxandall type.
- Low Frequency: +/-16dB with selectable frequency shelving of 35Hz, 60Hz, 110Hz & 220Hz ,Baxandall type.
- 1081 Upper Mid Frequency: +/-18dB peaking, fixed 'Q', selectable centre frequencies of 1.5Khz, 1.8kHz, 2.2Khz, 2.7kHz, 3.3Khz, 3.9kHz, 4.7kHz, 5.6kHz , 6.8kHz and 8.2Khz , inductor based.
- 1081 Lower Mid Frequency: +/-18dB peaking, fixed 'Q', selectable center frequencies of 220Hz, 270Hz, 330Hz, 390Hz, 470Hz, 560Hz, 680Hz, 820Hz, 1000Hz and 1200Hz, , inductor based.
- High Pass Filter: 18dB per octave slope, switchable between 50Hz, 80Hz & 300Hz, inductor based. (Although push button switches has been used instead of the classic rotary switch, the circuit is the same exact one found in vintage 1073s, sacrificing only one frequency choice for space issues. Real state is tight inside these modules).
- EQ Button: Switches the equalizer on or off.
- PhaseButton: Flips phase180°.
- 8173 Module available. 19" Convertible Series available Spring 2012.

8173 SPECIFICATIONS

- Microphone input impedance: HI, 1200 Ohm minimum, LO, 300 Ohm minimum. Higher gain positions gradually have greater impedances, optimum for lo gain ribbon mics. Input is transformer balanced and floating.
- Line input impedance: 10KOhms bridging, transformer balanced and floating.
- Output impedance: Less than 75 Ohms, transformer balanced and floating, to drive a load of 600 Ohms.
- Maximum output: Greater than +26dBm into 600 Ohms, greater than +32dBu into 10KOhms.
- THD: Less than 0.025% at 1Khz, Less than 0.05% at 100Hz.
- Frequency response :20Hz (+0.3dB) to 20Khz (-0.2dB).
- Maximum Gain: Slightly greater than 80dB.
- Noise: Less than -100dBm.
- Power consumption: 110 mA @24VDC.