



Neve 1073 and 1084 Channel Amplifiers

Introduction

Neve Channel Amplifiers are designed to accept signals from microphone and line sources. Low noise and distortion and generous overload performance are important features of these amplifiers. These modules are the same as the original designs and contain all of the original components.

1073 and 1084 channel amps were used to provide the Mic/Line amp and EQ sections in classic Neve consoles such as the 8014, 8018, 8028, 8024, 8026 and also in the 5003 and 5004 broadcast consoles. The 1073 module in particular has become a hugely popular design classic and a central part of the Neve legend.

1073 Channel Amplifiers

These very popular sounding mic pre's are considered by many to capture the very essence of the Neve sound. In manufacture since the early 1970s, the Class A design offers 3 bands of EQ and a high pass filter.

1084 Channel Amplifiers

Based on the same technology as the 1073s, the 1084s also deliver the unique sound and quality of Neve. The 1084s offer additional features including 3 switchable EQ bands with cut and boost, a high Q for presence and low pass/high pass filters.



5U rack fitted with two 1073 and six 1084 modules

Amplifier Controls:



1073 EQ section

- High Frequency: Smooth +/-16dB fixed frequency shelving at 12kHz.
- Low Frequency: Smooth +/-16dB shelving with selectable frequencies of 35Hz, 60Hz, 10Hz & 220Hz.
- Mid Frequency: Smooth +/-18dB peaking, fixed 'Q' with selectable centre frequencies of 0.36kHz, 0.7kHz, 1.6kHz, 3.2kHz, 4.8kHz & 7.2kHz.
- High Pass Filter: 18dB per octave slope, switchable between 50Hz, 80Hz, 160Hz & 300Hz.
- EQL Button: Switches the equaliser in or out of circuit.
- Phase Button: Gives 180° Phase change at Balanced Output.



1084 EQ section

- High Frequency: Smooth +/-16dB shelving with selectable frequencies of 10kHz, 12kHz and 16kHz.
- Low Frequency: Smooth +/-16dB shelving with selectable frequencies of 35Hz, 60Hz, 110Hz & 220Hz.
- Mid Frequency: Smooth +/-12dB or +/-18dB peaking with switchable 'High Q', selectable centre. Frequencies of 0.36kHz, 0.7kHz, 1.6kHz, 3.2kHz, 4.8kHz & 7.2kHz.
- High Pass Filter: 18dB per octave slope, switchable between 45Hz, 70Hz, 160Hz & 360Hz.
- Low Pass Filter: 18dB per octave slope, switchable between 6kHz, 8kHz, 10kHz, 14kHz, & 18kHz.
- EQL Button: Switches the equaliser in or out of circuit.
- Phase Button: Gives 180° Phase change at Balanced Output.

1073 and 1084 Specifications:

Microphone Input:	Input impedance 300 Ω or 1200 Ω , gain +80dB to +20dB in 5dB steps.
Line Input:	Input impedance 10,000 Ω bridging, gain +20dB to -10dB in 5dB steps. Both inputs are transformer balanced and earth free.
Output:	Maximum output is >+26dBu into 600 Ω . Output impedance is 75 Ω @1kHz. Output is transformer balanced and earth free.
Distortion:	Not more than 0.07% from 50Hz to 10kHz at +20dBu output (80kHz bandwidth) into 600 Ω .
Freq Response:	+/-0.5dB 20Hz to 20kHz, -3dB at 40kHz. EQ Out.
Noise:	Not more than -83dBu at all Line gain settings EQ In/Out (22Hz to 22kHz bandwidth). EIN better than -125dBu @ 60dB gain.



3U Rack fitted with 1073 modules

Housings:

The 1073 and 1084 modules are available as stand-alone modules, or in a choice of two rugged metal housings.

The AM5028 houses two modules mounted horizontally in a 3U, 19" rack-mounting unit.

The AM5033 houses eight modules mounted vertically in a 5U, 19" rack-mounting unit.

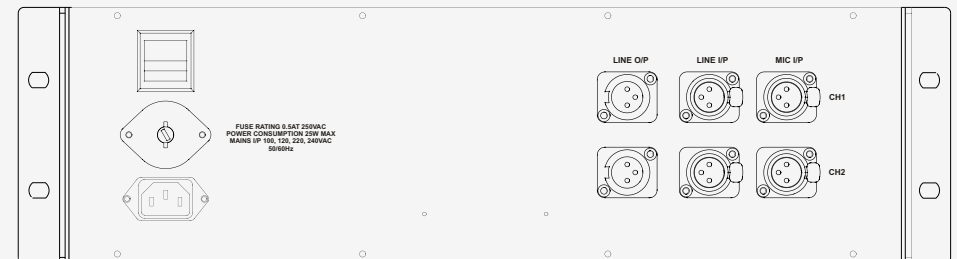
Both have rear panels with XLRs for transformer balanced I/O.

The 2 Channel rack rear panel has a fused, voltage selector IEC mains input connector. The 8 Channel rack has a free standing AC supply with a fused, voltage selector IEC mains input connector and connects to the rack via a connector and a 1.5 meter cable.

Modules of any combination can be fitted into a rack-mounting unit.

1073 & 1084 Module Dimensions:

Width	Height	Depth	Approx. Weight
mm (inches)	mm (inches)	mm (inches)	kg (lbs)
45 (1.8)	222 (8.75)	254 (10)	2.5 (5.5)



3U Rack Rear View



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