



Our Classic Hand-Built Microphone Preamp and Equaliser.

Designed in 1972, the 1081 was originally conceived as a combined mic/line preamp and equaliser section for the Neve modular consoles of the time. It quickly became one of the best-loved mic preamps of all time. We are still hand-building 1081 modules in Burnley, UK in the same way as the original modules, using the original components, hand-wound transformers, and time-honed construction methods.

The 1081 provides remarkable sensitivity, fast and musical response to transients, plus inimitable Neve equalisation featuring highly musical high- and low-pass filters designed to separate unwanted signal outside the passband. This gives users a flexible tool to shape new sounds, and control any part of the audio spectrum.

In practice, over three decades of engineers have found the 1081 an indispensable tool for recording and mixing drums, bass and percussion. As with all Neve outboard gear, users are assured the highest quality signal acquisition, thanks to uncompromising Class A circuitry, hand-wound Carnhill transformers, and unrivalled attention to every last component and construction detail.

- Legendary Neve microphone preamp and equaliser design (Class A)
- Hand-built precisely to original 1972 specification
- Carnhill hand-wound transformers in exclusive Neve design
- 5 switchable EQ bands
- HP and LP selectable filters (18dB per octave)
- Separate 48V phantom power supply
- Solo button selects channel unbalanced output
- Inputs and outputs transformer balanced and earth free

Note: 1081 mic preamp modules can be purchased as single or multiple units. Units can be rack-mounted in a custom frame.

1081 Mic Preamp & Equaliser Specifications

Microphone Input:	Input impedance 300 or 1200 Ohms, gain +80db to +20dB in 5dB steps. Input is transformer balanced and earth free.
Line Input:	Input impedance 10k Ohms bridging, gain +20 to -15dB in 5dB steps. Input is transformer balanced and earth free.
Outputs:	Max >+26dBu into 600 Ohms. Zout 75 Ohms $\pm 5\%$ @ 1kHz, balanced and earth-free. An unbalanced output 8dB below the level of the balanced output is also provided.
Distortion:	Not more than 0.07% for +20dBm output from 50Hz to 15kHz (80kHz bandwidth)
Frequency Response:	± 0.5 dB from 20Hz to 20kHz. -3dB at 7Hz and 35kHz
Noise:	Output noise better than -42dBm from Zin 1200 Ohms and -80dB input, giving an equivalent noise of -125dBm referred to 600 Ohms input impedance fed from 100 Ohms. Output noise better than -80dBm at all line input levels (22Hz to 22kHz bandwidth)
HF Controls:	5 switched frequencies, shelving or peaking curve, continuously variable 18dB cut or boost.
H.F. Presence:	10 switched frequencies with continuously variable 18dB cut or boost, high or low Q selection.
L.F. Controls:	5 switched frequencies, shelving or peaking curve, continuously variable 18dB cut or boost.
L.F. Presence	10 switched frequencies with continuously variable 18dB cut or boost, high or low Q selection.
H.P. Filter:	5 switched frequencies with slope of 18dB per octave.
L.P. Filter:	5 switched frequencies with slope of 18dB per octave.
PH Button:	Gives 180° phase change at the balanced output.
EQ Button:	Selects equalisation in or out of circuit.
SOLO Button:	Selects channel unbalanced output and closing switch contact.
Spare Button:	Switches external device as required.
Power Requirements:	200mA at 24V DC. Negative earth
Dimensions:	Front panel 45 x 305mm (1.8 x 12 inches). Approx 300mm deep behind the front panel



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