



# 1081 CHANNEL AMPLIFIER

REBIRTH OF CLASSIC NEVE MIC AND EQ AMP

The 1081 channel amplifier was first produced in 1972 and was used to provide the mic/line-amp and EQ sections in Neve consoles such as the 8048. A look through the credits on today's top selling CDs will reveal that these vintage consoles are still widely used to great effect and that the 1081 module has become a hugely popular design classic. AMS Neve is therefore pleased to announce that production of the 1081 module has been resumed, using the original components and construction methods.

To quote the 1972 sales leaflet: "This versatile instrument not only provides wide range control of sensitivity and effective high and low pass filters designed to separate unwanted signal outside the passband, but also gives the operator a flexible tool with which he can create new sounds and control any part of the audio spectrum."

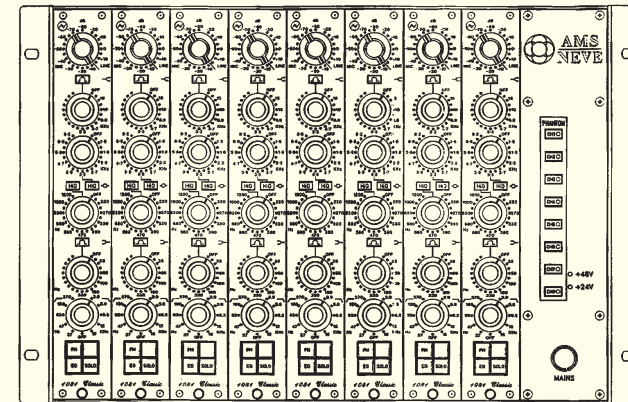
The curves and slopes have been carefully tailored to be musically related enabling the operator to exercise maximum technical and artistic skill. The unit is totally enclosed and fully screened with covers on both sides providing easy access. High grade conservatively rated components are used throughout with all active circuitry on plug-in printed circuit cards giving high reliability and minimum down time."

## HOUSINGS

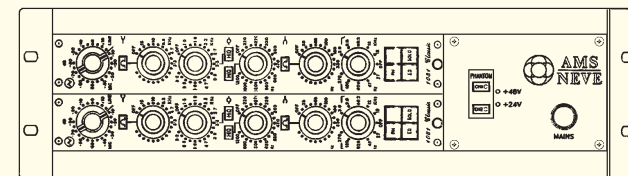
The 1081 is available as a stand-alone module, or in a choice of two rugged metal housings which provide power supply, phantom power

switching and level controls for each module and connectors for balanced inputs (mic and line) and outputs:

The AM3631 form presents two modules mounted horizontally in a 3U, 19" rack-mounting unit. The AM3630 form houses 8 modules vertically in a 7U, 19" rack-mounting frame. Both have rear panels with XLRs for transformer balanced I/O; a 25-way 'D'-type connector for solo and spare switch contacts and unbalanced outputs; plus an IEC connector for mains power.



AM3630



AM3631



S I G N A L P R O C E S S O R S

## 1081 SPECIFICATION AND DESCRIPTION

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<i>Microphone Input:</i>	Zin 300 or 1200 ohms switched, gain +80 to +10dB in 5dB steps
<i>Line Input:</i>	Zin 10k ohms bridging, gain +20 to -15dB in 5dB steps Both inputs are balanced and earth-free
<i>Outputs:</i>	Max +26dB 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
<i>Distortion:</i>	Not more than 0.07% for +20dBm output from 50Hz to 15kHz
<i>Frequency Response:</i>	$\pm 0.5$ dB from 20Hz to 20kHz. -3dB at 7Hz and 35kHz
<i>Noise:</i>	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
<i>H.F. Controls:</i>	5 switched frequencies, shelving or peaking curve, continuously variable 18dB cut or boost
<i>H.F. Presence:</i>	10 switched frequencies with continuously variable 18dB cut or boost, high or low Q selection
<i>L.F. Presence:</i>	10 switched frequencies with continuously variable 18dB cut or boost, high or low Q selection
<i>L.F. Controls:</i>	5 switched frequencies, shelving or peaking curve, continuously variable 18dB cut or boost
<i>H.P. Filter:</i>	5 switched frequencies with slope of 18dB per octave
<i>L.P. Filter:</i>	5 switched frequencies with slope of 18dB per octave
<i>PH Button:</i>	Gives 180° phase change at the balanced output
<i>EQ Button:</i>	Selects equalisation in or out of circuit
<i>SOLO Button:</i>	Selects channel unbalanced output and closing switch contact
<i>Spare Button:</i>	Switches external device as required
<i>Power Requirements:</i>	200mA at 24V DC. Negative earth
<i>Mechanical:</i>	Front panel 45 x 305 mm (1.8 x 12 inches). Approx 300mm deep behind the front panel

## HOUSINGS SPECIFICATIONS (fully fitted)

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<i>AM3631 power:</i>	60mA at 240V, 120mA at 110V
<i>AM3631 mechanical:</i>	3U x 19" by approx 400mm deep
<i>AM3630 power:</i>	250mA at 240V, 500mA at 110V
<i>AM3630 mechanical:</i>	7U x 19" by approx 400mm deep



### HEAD OFFICE

AMS Neve plc · Billington Road · Burnley  
Lancs BB11 5UB · England

Phone: +44 (0) 1282 457011 · Fax: +44 (0) 1282 417282

### LONDON OFFICE

Phone: +44 (0) 171 916 2828 · Fax: +44 (0) 171 916 2827

### GERMAN OFFICE

Phone: +49 6131 94252-0 · Fax: +49 6131 94252-10

### NORTH AMERICAN OFFICES

New York, NY

Phone: +1 (212) 965 1400 · Fax: +1 (212) 965 3739

North Hollywood, CA

Phone: +1 (818) 753 8789 · Fax: +1 (818) 623 4839

Rupert Neve Canada Inc. Toronto

Phone: +1 (416) 365 3363 · Fax: +1 (416) 365 1044

e-mail: [enquiry@ams-neve.com](mailto:enquiry@ams-neve.com)

Web site: <http://www.ams-neve.com>

*In order to faithfully reproduce the sound of the classic 1081 channel amplifier, AMS Neve use the original specification transformer and components. In preserving all of the idiosyncrasies of the original design, these units will feel and perform exactly as a unit purchased in 1972. Both operational and electrical characteristics are also true to the period.*

On behalf of its customers, AMS Neve plc actively pursues a policy of continual improvement. Therefore all specifications and descriptions are subject to change without notice.