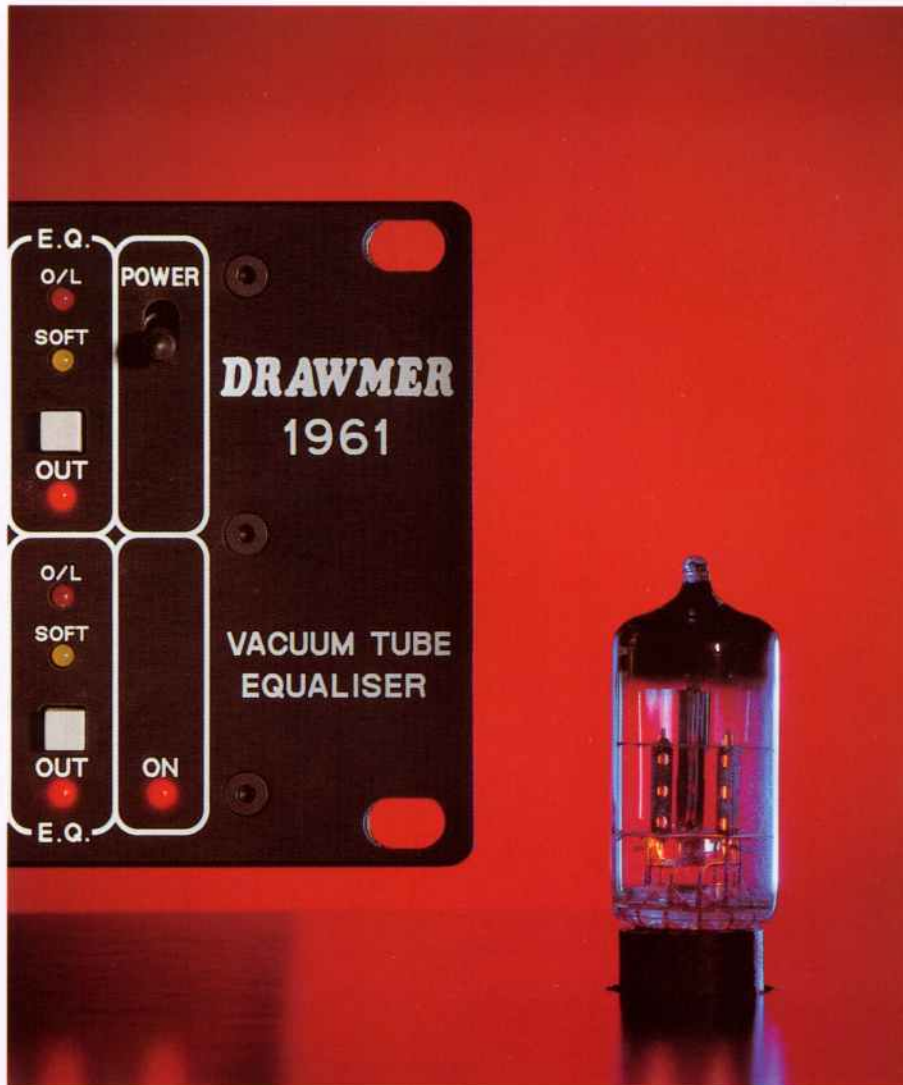


Drawmer



1 9 6 1

vacuum tube equaliser



ingenuity (,ɪndʒɪ'nju:ɪtɪ) *n.*, *pl.* *-ties*. 1. inventive talent; cleverness. 2. an ingenious device, act, etc.

It has long been recognised that vacuum tubes impart a unique 'warmth' and 'musicality' to an audio signal, but many of the 'classic' tube equalisers fall short of the technical performance demanded in today's digital recording age.

Designed to complement the widely acclaimed Drawmer 1960 Mic Pre-Amp/Vacuum Tube Compressor, the 1961 Vacuum Tube Equaliser combines low noise circuitry with no fewer than twelve active tube stages to provide two channels of exceptional equalisation possessing unique 'personality'. Rather than employ a continuously variable resistor as a means of frequency control, the 1961 utilises the same rotary

Facilities available on the 1961 include:

1 Input level. A variable input level of -20dB to +20dB ensures compatibility with a wide range of input source material and enables the user to optimise signal level and drive the tubes 'soft' or 'hot' as required. LED bargraph displays give a clear indication of the input signal level.

2 High Pass Filter. A variable 12dB/Octave roll-off filter adjustable from 20Hz to 500Hz section enables the user to remove unwanted low frequencies and sub-sonic noise.

3 Equalisation. Each channel of the 1961 has four main equaliser sections with six carefully chosen overlapping frequencies and a separate tube stage for increased harmonic clarity. Each section also includes variable bandwidth from 0.3 Octave to 3 Octaves and ± 18 dB of Cut and Boost.

BASS frequencies (Hz) 20, 32, 50, 80, 125, 200

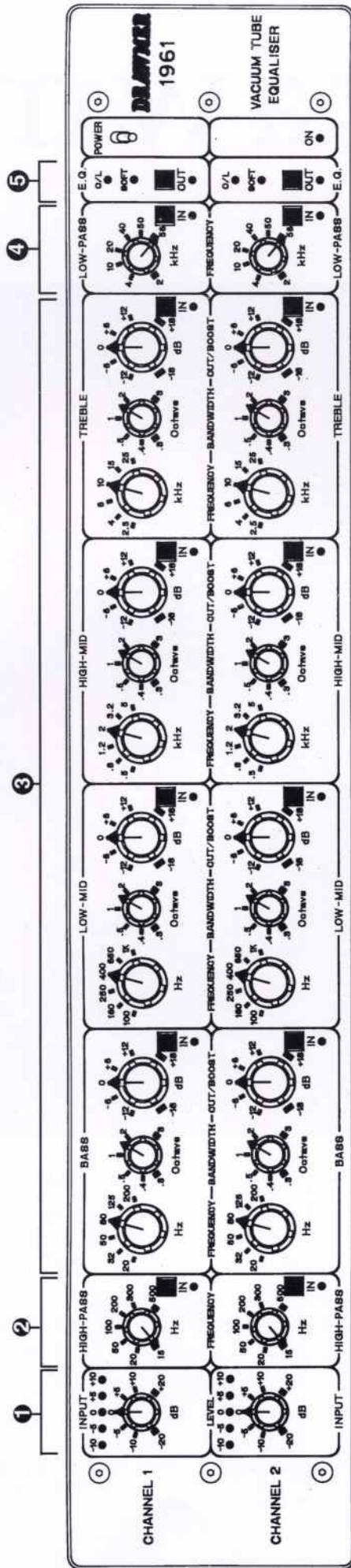
LO-MID frequencies (Hz) 100, 160, 250, 400, 650, 1K

HI-MID frequencies (kHz) 0.5, 0.8, 1.2, 2.0, 3.2, 5.0

TREBLE frequencies (kHz) 2.5, 4, 6, 10, 15, 25

4 Low Pass Filter. A variable 12dB/Octave roll-off filter adjustable from 2.5kHz to 42kHz enables the user to remove high frequency interference or to band limit excessively high levels of high frequencies.

5 Output Stage. Two additional tube stages in the output section of each channel allow the user to achieve 'soft clipping' by adjusting the input level control whilst visually monitoring the effect upon the 'Soft' and 'O/L' (Overload) LED's.



• Bypass. In addition to a master bypass switch for each channel, each of the parametric and shelving filters has its own separate bypass switch. This not only makes the 1961 very straight forward to set up, by allowing instant A-B comparison, but also enables the tube output stages to be used to add tube coloration without EQ simply by leaving each channel switched to 'in' and each individual EQ sections switched to 'Out'. The master bypass switch for channel bypasses all the filter sections as well as the output stage vacuum tube circuitry.

• Operating Level. Levels of -10dBu and +4dBu are selectable using a rear panel switch.

• Insert Connections. Insert point 1/4" jack connectors on the rear panel enable direct connection to the Side chain or Insert points of the Drawmer 1960 Mic Pre-Amp/ Vacuum Tube Compressor. The 1961 and 1960, when 'interlinked',

produce a powerful package for recording signals direct to tape; gain control, EQ and compression can be applied to both mic and line level signals without having to go via a mixing console.

• Inputs and outputs. The 1961 is provided with balanced inputs and outputs on XLR connections.

TECHNICAL SPECIFICATION: (All measurements reference +4dBu operating level).

Connectors: Balanced XLR (Pin 2 +).

Input Impedance: 20K Ω

Maximum Input Level +17dB (+21dBu).

Output Impedance: 50 Ω

Frequency Response: -22Hz to 42kHz -1dB.

Crosstalk: @ 10kHz Better than -80dB.

@ 20kHz Better than -75dB.

Output Balance: Better than 40dB 20Hz to 10kHz.

Input CMR: Better than 40dB 20Hz to 10kHz.

Noise : @ Unity Gain Ref. +4dBu: (EQ Flat)

Wideband 22Hz-22kHz CCIR

AV -87dB -94dB -96dB

RMS -85dB -92dB -95dB

Power Requirements IEC Connector, 95-125V or 190-250V @ 50-60Hz, 28 Watts.

Case Size: 482mm(w) x 88mm(h) x 250mm(d). Weight: 6 Kgs.

IEC A Q-Pk CCIR

-85dB

-97dB

-95dB

PRESENTED BY:-

Drawmer

Drawmer Distribution Ltd.,
Charlotte Street Business Centre,
Charlotte Street, Wakefield,
West Yorkshire, WF1 1UH England.
Tel. +44 (0) 1924 378669
Fax. +44 (0) 1924 290460
sales@drawmer.co.uk
www.drawmer.com

Contact your local DRAWMER dealer for further information about other DRAWMER products.