

Drawmer



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v a c u u m t u b e c o m p r e s s o r



ingenuity (,ɪndʒɪˈnjuːɪti) *n.*, *pl.* *-ties.* 1. inventive talent; cleverness. 2. an ingenious device, act, etc.

1960 Mic Pre-amp Vacuum Tube Compressor.

There is little doubt in the minds of many engineers and producers that vacuum tubes possess a unique sound quality providing a 'warmer, more alive sound. Combining eight active tube stages and the low noise and reliability of solid state electronics, the Drawmer 1960 provides the ultimate direct interface between the sound source and the recording medium.

1. Auxiliary Instrument 'Tube' Pre-Amp.

Many musicians have already discovered the unique range of sounds available through the auxiliary section of the Drawmer 1960. From a 'warm', 'clean' tonality to the classic overdriven 'soft clipping' tube sound, the 1960 has the scope to enhance the performance of guitar, bass, electric piano and many other instruments. Features include:

- ◆ Variable input gain sufficient to provide sustain effects and switchable gain boost:
Max. Gain (Lo)...30dB Max. Gain (High)... 40dB
- ◆ Variable Bass and Treble equalisation with switchable HF boost:
Treble Boost.. (Norm)...+18dB @ 16kHz **Treble Boost..** (Bright)...+10dB @ 2kHz **Bass Boost..**+15dB @ 40Hz
- ◆ The Aux Pre-amp section can be routed to one or both compressors to provide two channels of output for creating stereo effects from a mono source. Different compression characteristics can be set for each channel if required.
- ◆ EQ Bypass.

2. Microphone Pre-Amps.

Two ultra low noise vacuum tube microphone pre-amplifiers allow the engineer to capture every subtlety of the sound source, be it the human voice, an acoustic instrument or even an orchestra. Each channel provides:

- ◆ Switchable 48 volt phantom powering.
- ◆ Variable input level with up to 60dB of gain.
- ◆ Peak overload LEDs.

3. Switchable 50Hz and 100Hz High Pass Filters.

Either a 50Hz or 100Hz high pass filter can be selected independently for each channel. A bypass position is also provided.

6. Metering. The illuminated VU meters can be switched to indicate either output level or gain reduction.

7. Bypass/Side Chain Listen.

8. Stereo Linking. When processing stereo signals, linking prevents image shifting.

Additional Features:

Rear Panel -10dB and +4dB 'Insert' connections allow the sound sources of each channel to be independently modified with external effects and/or equalisation.

Side Chain access for external equalisation to achieve frequency selective compression.

Technical Specification: (All measurements reference +4dBu operating level).

Connectors: Mic/Line Balanced XLR (Pin 2 +), Aux Input 1/4 jack (Unbal).

Input Impedance : LINE: 20K Ω , MIC: 150 Ω to 600 Ω AUX: 47K Ω .

Maximum Input Level: +16dB (+20dBu).

Mic Pre-Amp Noise: -129dB (ref 0dBu, 150 Ω). Dynamic Range: 150dB. Headroom: +21dB.

Output Impedance: 50 Ω

Maximum Output Level: +18dB (+22dBu).

Frequency Response: <20Hz to 24KHz-1dB.

Crosstalk: Better than -80dB @ 10KHz.

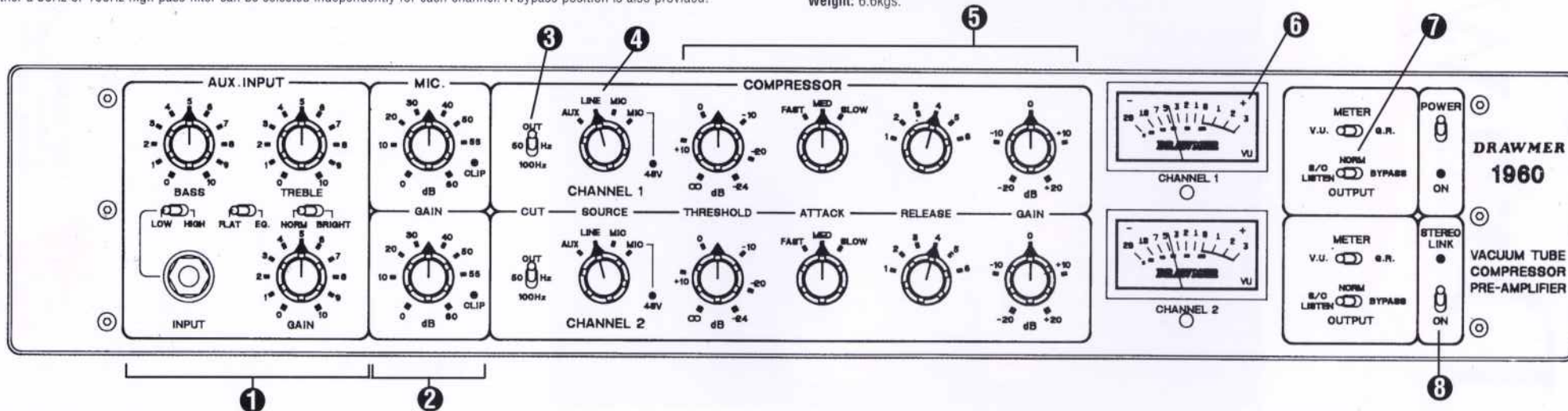
Noise: (Compressor Section @ Unity Gain) -88dB @ 22Hz-22KHz.

Distortion: Unity Gain, +4dBu input: <0.15% @ 100Hz to 10KHz.

Power Requirements: IEC Connector, 115 or 230V (-15%+10%) @ 50-60Hz, 38 Watts.

Dimensions: 482mm(w) x 88mm(h) x 250mm(d).

Weight: 6.6kgs.



4. Switchable Input Source.

Each channel can be set independently for either of the following input sources: Aux, Line, Mic or Mic 48V.

5. Compressor.

Two vacuum tube 'soft knee' compressors offer smooth, transparent compression:

- ◆ Variable Threshold control with a range continuously variable between infinity and -24dB and Ratio between 1.5:1 to 20:1. A maximum gain reduction of 37dB can be achieved.
- ◆ Switchable attack and release times.
Attack Time...0.5mS to 20mS **Release Times...**1...400mS, 2...1 Sec, 3...2 Sec, 4...4 Sec, 5...Auto 400mS to 2 Sec, 6... Auto 200mS to 20 Sec.
- ◆ Adjustable gain 'make up' of ± 20 dB.

Presented By:-

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