

566

VACUUM TUBE COMPRESSOR

dbx[®]
PROFESSIONAL PRODUCTS

VISIONARY DESIGN

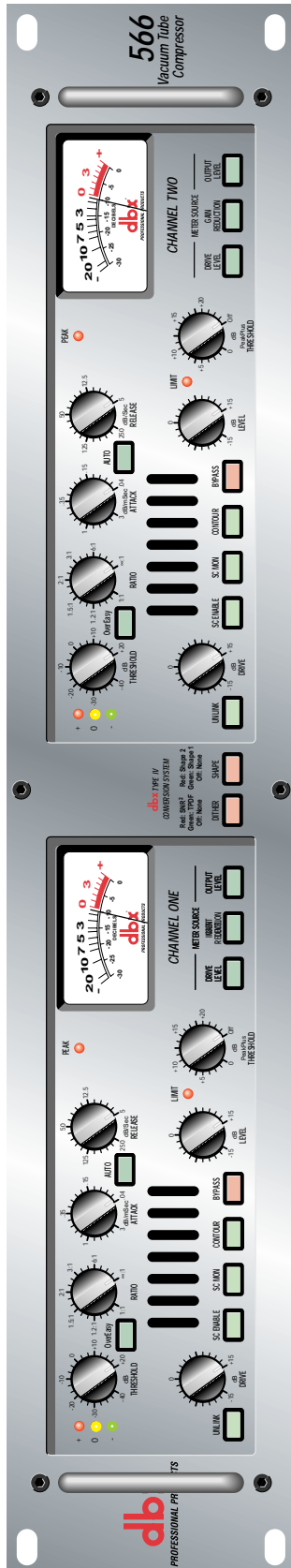
dbx's traditional spot atop the pro audio industry continues with the introduction of its new "Silver Series." The inclusion of 2 vacuum tubes makes the 566 Vacuum Tube Compressor no ordinary compressor. Of course, it's loaded with all the features you'd expect from a compressor, including custom designed analog VU meters that monitor tube level, gain reduction, or output levels. The 566 Vacuum Tube Compressor also has full sidechain functionality, including sidechain monitor, and our unique Contour function, which allows low frequency material to pass through the threshold without triggering unmusical compression effects. It also includes the dbx OverEasy[®] threshold characteristic, and Auto attack and release. Line/Instrument and mic inputs make the 566 versatile enough to use with virtually *any* source device. Add to this impressive list of standard features extras like a sidechain insert loop, True RMS Power Summing[™], and the new patent-pending PeakPlus[™] limiting topology and you have a compressor that strengthens dbx's outstanding reputation.

REVOLUTIONARY ENGINEERING

The premium 12AU7 vacuum tubes are hand selected for ideal triode gain matching, distortion, microphonics and drive characteristics. You get the best tube sound with the most versatility available today. And with the optional dbx TYPE IV[™] Conversion System output, you can translate the essence of tube processing directly to the digital world, without leaving the box. The digital output offers the ability to communicate in either AES/EBU or S/PDIF at 16, 20, or 24 bit word lengths. In addition, TYPE IV[™] offers the ability to select noise shape algorithms and dither types that best suit your music and your medium. The 566 also has all the rear panel versatility and connectivity that make it easy to setup and patch into any system. Gold plated Neutrik[®] connectors for the audio ins and outs ensure solid connections and pristine sound every time. Separate 1/4" connectors for the sidechain sends and returns, as well as +4/-10 operating level switching make it a snap to use.

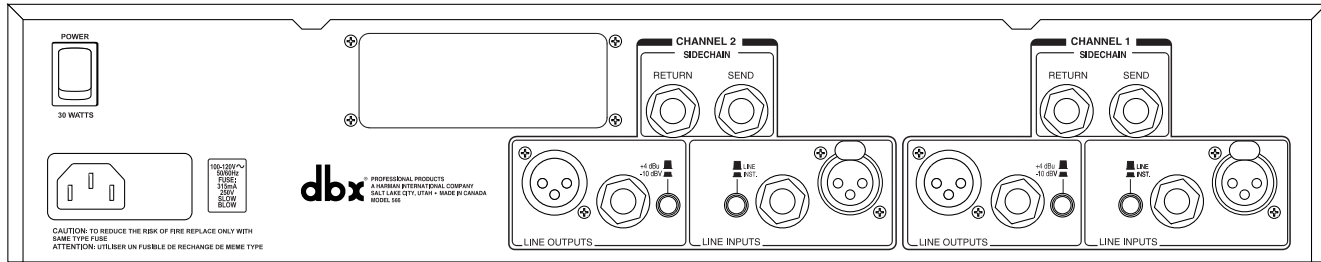
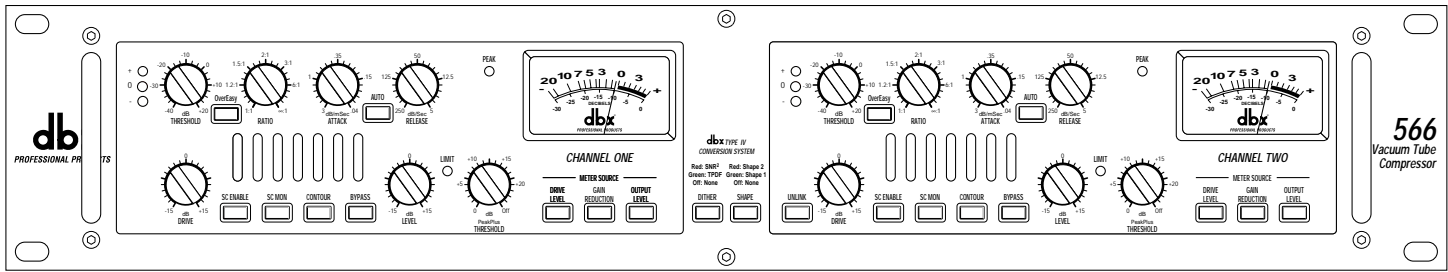
FEATURES

- Hand selected Premium 12AU7 vacuum tubes in path
- +4/-10 operation
- Drive control for a wide variety of great tube effects
- PeakPlus[™] limiter on each channel
- Complete sidechain, OverEasy[®], and Auto functions
- Optional TYPE IV[™] Conversion System outputs
- Separate 1/4" sidechain insert send and return
- Custom designed analog VU meters monitor tube drive, gain reduction, or output levels



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H A Harman International Company



SPECIFICATIONS

<p>PUTS</p> <p>connectors: Female XLR Pin 2 hot and TRS 1/4"</p> <p>pe: Electronically balanced/unbalanced</p> <p>mpedance: 20.1 kΩ nominal, or 470 kΩ with rear-panel INST switch engaged</p> <p>aximum Input Level: > +30 dBu, or +22 dBu with rear-panel INST switch engaged</p>	<p>Attack/Release Characteristic: AutoDynamic™</p> <p>Attack/Release Modes: Selectable Manual or Auto</p> <p>Manual Attack Time: Scalable program-dependent. Typically 3dB/ms to .04dB/sec</p> <p>Manual Release Time: Scalable program-dependent. Typically 250dB/sec to 5dB/sec</p> <p>Auto Attack Time: Program-dependent. Typically 15ms for 10dB, 5ms for 20dB, and 3ms for 30dB</p> <p>Auto Release Time: Program-dependent. Typically 125dB/sec</p> <p>Output Gain: -15 to +15dB</p>	<p>THD + Noise: 0.04% typical at +0 dBu out, 1kHz, 33 dB gain, 3.5% typical at +21 dBu out, 1kHz, 35 dB gain</p> <p>Deviation From Linear Phase: < 20 degrees, 20 Hz to 20 kHz.</p> <p>Interchannel Crosstalk: Typically -98 dB, 20 Hz to 20 kHz.</p>
<p>UTPUTS</p> <p>connectors: Male XLR Pin 2 hot and TRS 1/4"</p> <p>pe: Servo-balanced/unbalanced, RF filtered</p> <p>mpedance: Balanced 120Ω, unbalanced 60Ω</p> <p>aximum Output Level: +21.5 dBu, balanced or unbalanced</p>	<p>PeakPlus LIMITER</p> <p>Type: Two-stage proprietary</p> <p>Threshold Range: +4 dBu to >+ 22 dBu (off)</p> <p>Ratio: ∞:1</p> <p>Stage 1 Attack and Release Time: Zero</p> <p>Stage 2 Attack Time: Program-dependent, typically < 5ms</p> <p>Stage 2 Release Time: Program-dependent, typically 22dB/sec</p>	<p>POWER SUPPLY</p> <p>Operating Voltage: 100V, 120V, or 220-240VAC 50/60 Hz.</p> <p>Power Consumption: 30 Watts maximum.</p> <p>Fuse: 100V: 315mA 250V Slow Blow 5mm X 20mm 120V: 315mA 250V Slow Blow 5mm X 20mm 220-240V: T160 mA 250V 5mm X 20mm</p> <p>Mains Connection: IEC 320 Receptacle</p>
<p>DECHAIN</p> <p>connectors: TRS 1/4"</p> <p>pe: Impedance balanced/unbalanced (SEND), electronically balanced/unbalanced (RETURN)</p> <p>mpedance: 100Ω bal./50Ω unbal. (SEND), 20kΩ (RETURN)</p> <p>ominal Send Level: +4 dBu</p> <p>ominal Return Level: +4 dBu</p>	<p>SYSTEM PERFORMANCE</p> <p>DRIVE Control Range: +10 dB to +60 dB</p> <p>LEVEL Control Range: -15 dB to +15 dB</p> <p>0.5 dB Bandwidth: 15 Hz to > 90 kHz +0/-0.5 dB</p> <p>Frequency Response: <10 Hz to >200 kHz +0/-3.0 dB</p> <p>EIN: Typically -126 dBu, 150Ω source impedance, unweighted, 20 Hz to 20 kHz measurement bandwidth</p>	<p>PHYSICAL</p> <p>Dimensions: 3.5" H X 19" W X 8" D</p> <p>Weight: 12 lbs (5.5 kg)</p> <p>Shipping Weight: 13 lbs (5.9 kg)</p> <p>Note: 0 dBu = 0.775V RMS. Specifications are subject to change without notice.</p>
<p>OMPRESSOR</p> <p>eshold range: -40dBu to +20dBu</p> <p>atio: 1:1 to ∞:1</p> <p>hreshold Characteristic: Selectable OverEasy® or hard knee curves</p>		

dbx engineers are constantly working to improve the quality of our products. Specifications are, therefore subject to change without notice.

FOR MORE INFORMATION CONTACT:

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