

386

Dual Vacuum Tube Preamp w/Digital Out

dbx[®]
PROFESSIONAL PRODUCTS

VISIONARY DESIGN

The Silver Series 386 dual channel tube mic preamp puts the best of both worlds into one affordable package by combining the warmth of the irreplaceable vacuum tube, with the proprietary dbx Type IV™ conversion system. The 386 boasts many of the same features as other products in the Silver Series, such as +48V phantom power, a phase invert switch, and low cut filtering. In addition, the 386 also offers digital output capabilities in both AES/EBU, and S/PDIF formats as standard features.

The high impedance, 1/4" instrument input located on the front panel, as well as the mic/line switch, and 20 dB pad show our dedication to providing convenience in the studio. The 12 segment LED meters provide a visual indication of analog or digital levels at a glance. The rear panel includes both mic and line inputs and outputs, word clock sync input and output, insertion jack and digital outputs. Add selectable sampling rates of 44.1 kHz, 48 kHz, 88.2 kHz, or 96 kHz; selectable dithering and noise shaping; and separate analog and digital output controls to this already impressive list of features, and we think you'll agree that the 386 lives up to the uncompromising standards of dbx Professional Products.

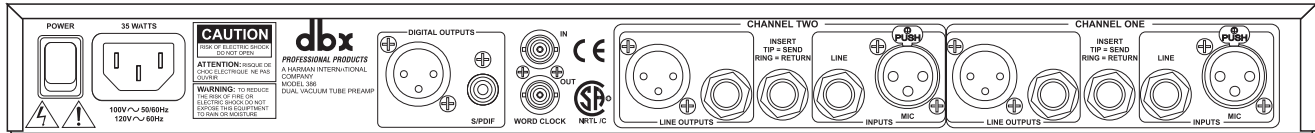
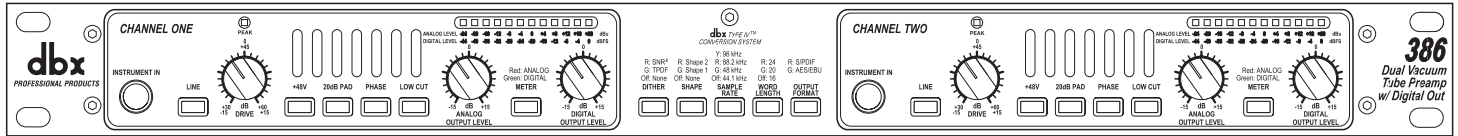
FEATURES

- Two channel tube microphone pre-amplifier
- Selectable 96 kHz, 88.2 kHz, 48 kHz, or 44.1 kHz sampling rate
- 24, 20, and 16 bit wordlengths
- Selectable dither and noise shaping
- AES/EBU and S/PDIF digital outputs
- Word clock sync input and output
- Separate analog and digital output control
- 200V Tube Plate Voltage
- Front Panel Instrument Input
- Type IV™ conversion system
- 60 dB of gain and +/- 15 dB of output gain
- Selectable mic/line switch
- 48 volt phantom power
- 20 dB pad
- 75 Hz low cut filter
- Phase reverse
- 12 segment LED selectable analog/digital level meter
- Peak Indicator LED



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SPECIFICATIONS

<p>Microphone Input</p> <p>Connector: Female XLR Pin 2 Hot Type: Electronically balanced/unbalanced Impedance: 330Ω Maximum Input Level: -9 dBu or +11 dBu with 20 dB pad engaged CMRR: >40dB, Typically 55dB Equivalent Input Noise: Typically 120 dBu with a 150Ω, source load 20 Hz to 20kHz Bu</p> <p>Line Input (Rear Panel)</p> <p>Connector: TRS 1/4" Jack Type: Electronically balanced/unbalanced Impedance: 20kΩ unbalanced, 40kΩ balanced Maximum Input Level: +21dBu balanced or unbalanced CMRR: >40dB, Typically 55dB Gain (Drive Control): -15dB to +15dB</p> <p>Instrument Input (Front Panel)</p> <p>Connector: TS 1/4" Jack Type: Unbalanced Impedance: 470 kΩ Maximum Input Level: +21dBu unbalanced</p> <p>Insert Connector: TRS 1/4" Type: Unbalanced Impedance: 100Ω, send -20Ω return</p> <p>Analog Outputs</p>	<p>Connector: Male XLR Pin 2 Hot and TRS 1/4" Type: Servo-balanced/unbalanced Impedance: Balanced 120Ω, unbalanced 60Ω Maximum Output Level: >+21 dBu, >+20 dBm (into a 600Ω load)</p> <p>Digital Outputs</p> <p>Connectors: XLR for AES/EBU RCA for S/PDIF Impedance: 110Ω for AES/EBU 75Ω for S/PDIF</p> <p>Word Sync Input/Output</p> <p>Connectors: BNC Input Impedance: 75Ω terminated by internal jumper Input: 96, 88.2, 48, or 44.1kHz word clock Output: 96, 88.2, 48, or 44.1kHz word clock</p> <p>System Performance</p> <p>DRIVE Control Range: +30dB to +60dB for Mic Input -15dB to +15dB for Line and Instrument Inputs</p> <p>LEVEL Control Range (Analog and Digital): LINE: -15dB to +15dB Selects between microphone and line inputs</p> <p>Phantom Power: +48V PAD: 20dB pad PHASE: Reverses pins 2 and 3 of the microphone input XLR</p>	<p>LOW CUT: 75Hz, 12dB/octave high pass filter Frequency Response: <10Hz to 75kHz THD+Noise: 0.35% typical at +4dBu out, 1kHz, 40 dB gain Interchannel Crosstalk: Typically -80dB, 20Hz to 20kHz</p> <p>Analog to Digital Conversion</p> <p>Type: dbx Type IV™ A/D Conversion System Sample Rate: 96, 88.2, 48, or 44.1kHz selectable Wordlength: 24, 20, or 16 bit selectable Dither Type: TPDF, SNR², or none Noise Shape: Shape 1, Shape 2, or none Output Format: S/PDIF or AES/EBU Converter Dynamic Range: 107dB typical, A-Weighted, 22kHz Bandwidth</p> <p>Power Supply</p> <p>Operating Voltage: DO: 120VAC 60Hz, 100VAC 50/60Hz EU: 230VAC 50/60 Hz Power Requirements: 35 Watts</p> <p>Physical</p> <p>Weight: 6.89 lbs (3.17kg) Dimensions: 1.75" x 7.75" x 19" (4.5cm x 19.7cm x 48.5cm)</p> <p>Note: 0dBu = -16dFS, 0dBu-0.775Vrms</p>
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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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