

**Microphone Input**  
 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 BW

**Line Input (Rear Panel)**  
 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

**Instrument Input (Front Panel)**  
 Connector: TS 1/4" Jack  
 Type: Unbalanced  
 Impedance: 470 kΩ  
 Maximum Input Level: +21dBu unbalanced

Insert Connector: TRS 1/4"  
 Type: Unbalanced  
 Impedance: 100Ω (send), 20kΩ (return)

**Analog Outputs**  
 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)

**Digital Outputs**  
 Connectors: XLR for AES/EBU  
 RCA for S/PDIF  
 Impedance: 110Ω for AES/EBU  
 75Ω for S/PDIF

**Word Sync Input/Output**  
 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

**System Performance**  
 DRIVE Control Range: +30dB to +60dB for Mic Input  
 -15dB to +15dB for Line and Instrument Inputs  
 LEVEL Control Range (Analog and Digital): -15dB to +15dB  
 LINE: Selects between microphone and line inputs  
 Phantom Power: +48V  
 PAD: 20dB pad  
 PHASE: Reverses pins 2 and 3 of the microphone input XLR  
 LOW CUT: 75Hz, 12dB/octave high pass filter  
 Analog Frequency Response: <10Hz to 75kHz  
 THD+Noise: 0.35% typical at +4dBu out, 1kHz, 40 dB gain  
 Interchannel Crosstalk: Typically -80dB, 20Hz to 20kHz

**Analog to Digital Conversion**  
 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, SNR<sup>2</sup>, 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

**Power Supply**  
 Operating Voltage: DO: 120VAC 60Hz, 100VAC 50/60Hz  
 EU: 230VAC 50/60 Hz  
 Power Requirements: 35 Watts

**Physical**  
 Weight: 7.31 lbs (3.3kg)  
 Dimensions: 1.75" x 7.75" x 19" (4.5cm x 19.7cm x 48.5cm)

Notes: 0dBu = -18dFS, 0dBu=0.775V rms



The dbx **386** dual vacuum tube mic preamp provides unparalleled flexibility and versatility in one affordable package. By combining the warmth and coloring of dual 12UA7 vacuum tubes, with the proprietary dbx **Type IV™** conversion system, the dbx 386 is the perfect cross-platform tool for digital and analog applications alike. The dbx 386 boasts many of the same features as other products in the dbx Silver Series such as +48V phantom power, a phase invert switch, and low cut filtering. In addition, the dbx 386 also offers digital output in both AES/EBU and S/PDIF formats.

on the front panel, as well as the mic/line switch, and 20dB 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 dbx 386 lives up to the uncompromising standards of dbx Professional Products.

The high impedance, 1/4" instrument input located





The extensive feature menu of the dbx 386 helps make it the perfect tool for performing countless audio applications. The analog section of the dbx 386 offers a wide variety of features including: dual 12AU7 vacuum tubes, 20 dB pad, Phase reverse, 75Hz low-cut filter and 1/4" and XLR inputs and outputs. The digital section of the dbx 386 offers standard features such as selectable sample rates, selectable dither and noise shaping, selectable wordlengths, word clock sync input and output, and AES/EBU and S/DIF digital outputs. In addition, the dbx 386 also offers the pristine clarity of dbx's proprietary Type IV™ conversion system. With all of these tools readily available, the dbx 386 is capable of accommodating virtually any audio project. The following applications illustrate the incredible flexibility of the dbx 386.

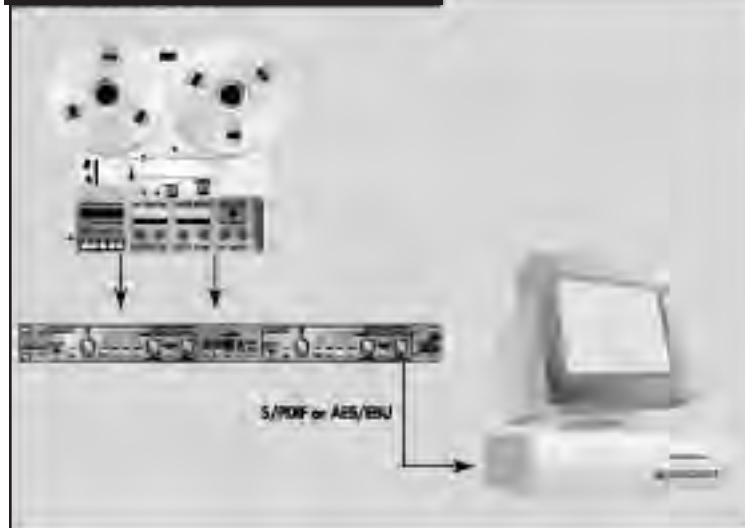


- Two channel tube microphone pre-amp
- 200V Tube Plate Voltage
- 75 Hz low cut filter
- Phase reverse
- Peak Indicator LED
- Front Panel Instrument Input
- 60 dB of gain and +/- 15 dB of output gain
- Selectable mic/line switch
- 48 volt phantom power
- 20 dB pad
- Type IV™ conversion system
- Selectable 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
- 12 segment LED selectable analog/digital level meter
- Separate analog and digital output control



# Sample Applications

A/D Conversion



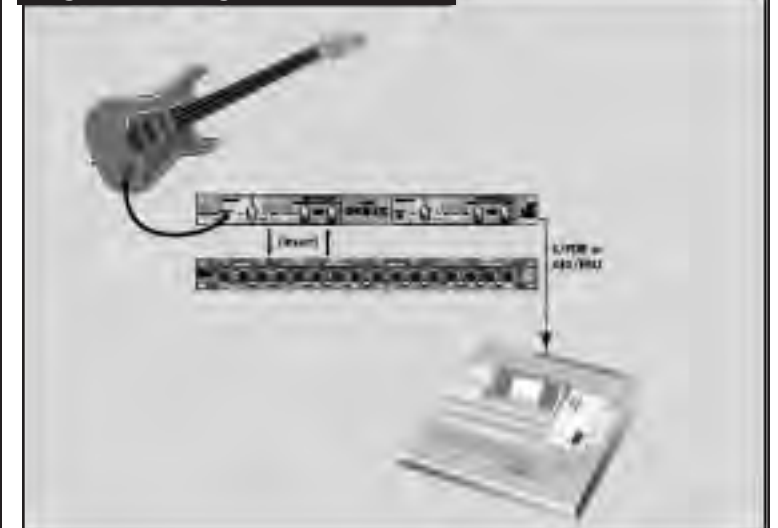
Analog & Digital Output Routing



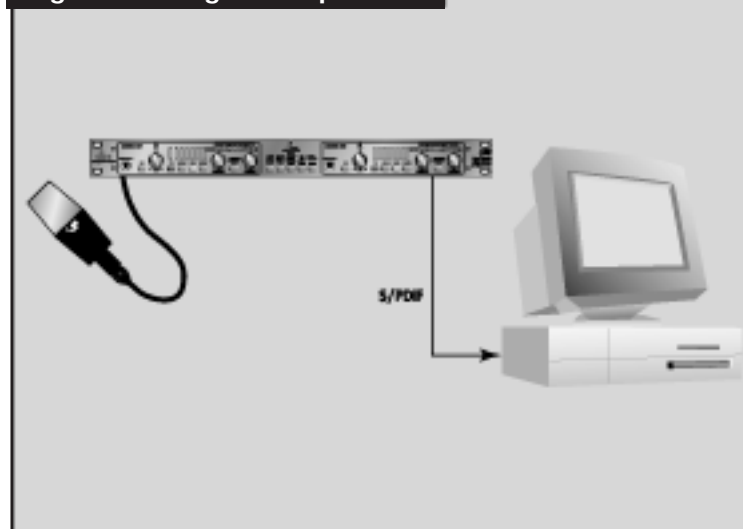
Analog Tracking



Digital Tracking



Digital Tracking to Computer



Direct to DAT



Multi Tracking



# Tube Pre 386