

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, 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

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

of dbx Professional Products.



A Harman International Company



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.

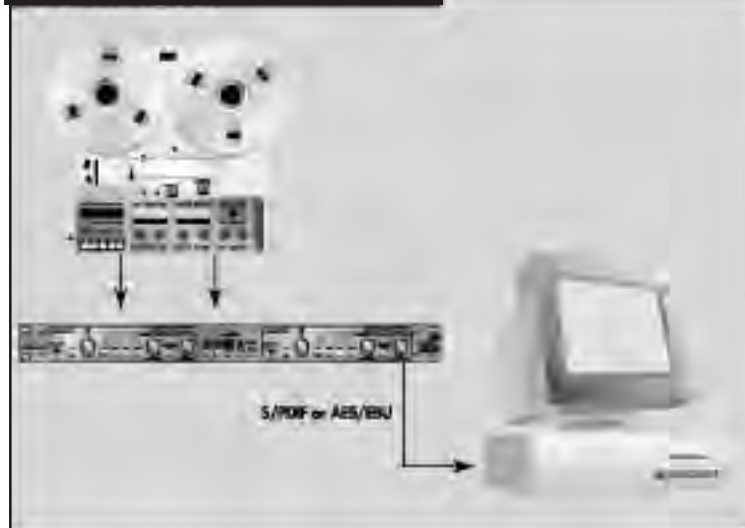


- Two channel tube microphone pre-amp
- 200V Tube Plate Voltage
- 75 Hz low cut filter
- Phase reverse
- Peak Indicator LED
- Front Panel Instrument Input
- 60 dB of gain and +/- 15 dB of output gain
- Selectable mic/line switch
- 48 volt phantom power
- 20 dB pad
- Type IV™ conversion system
- Selectable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



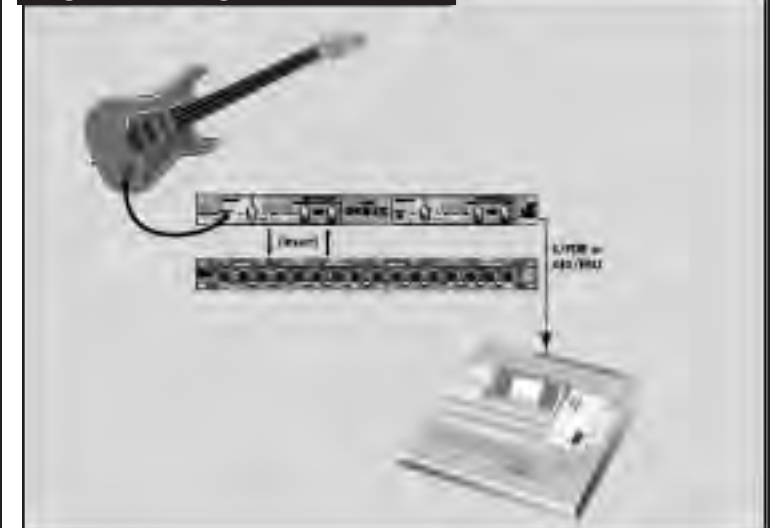
Analog & Digital Output Routing



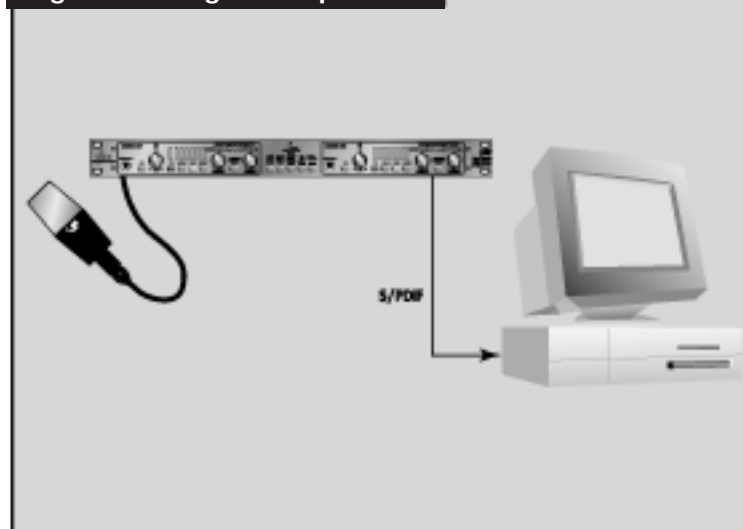
Analog Tracking



Digital Tracking



Digital Tracking to Computer



Direct to DAT



Multi Tracking



Tube Pre 386