

ProVocal™

Digital Vocal Processor w/ digital output

dbx[®]
PROFESSIONAL PRODUCTS

VISIONARY DESIGN

If this thing had a Versatility knob, it would be stuck on 10! The ProVocal™ from dbx Professional Products offers unmatched versatility for the project studio enthusiast at an unparalleled value. The new ProVocal has taken all of the laborious guesswork out of selecting tools for providing great vocal tracking. The ProVocal is an all-inclusive toolbox which is perfect for applications including live, studio and karaoke. The ProVocal features a superb microphone preamp coupled with state-of-the-art microphone and mic preamp modeling for a wide variety of sonic characteristics. From there you go into classic dbx dynamic processing such as gating, compression, de-esser, and limiter, then on to parametric EQ, chorus, flanger, delay and reverb. Other features include a 24-bit S/PDIF output with selectable 44.1 or 48k sample rate and MIDI control.

REVOLUTIONARY ENGINEERING

Once again, the company that has been revolutionizing the audio world for more than 30 years, is proud to offer a product that has taken the best vocal audio processing power tools available, and combined them under the hood of a single chassis. The design team at dbx Professional Products have painstakingly put together a processor that painlessly helps vocalists create warm and rich vocal tones in the digital domain with crystal clear digital effects, while providing dynamics processing powers that can all be controlled via the smart, sophisticated front panel. The ProVocal takes models of some of the most sought after microphones and mic-preamps in the industry, and makes them readily available at your finger tips. The output versatility of the ProVocal offers XLR and 1/4" analog inputs and outputs and an S/PDIF digital output, making it a truly flexible work horse for any vocal application.

FEATURES

- **Digital Microphone Modeling**
- **Digital Preamplifier Modeling**
- **20 dB pad, 48 Volt Phantom Power**
- **Classic dbx Compression**
- **Parametric EQ, De-Esser, Gate**
- **Chorus, Flanger, Delay and Reverb**
- **24-bit S/PDIF Digital Output**
- **44.1 or 48 kHz Operation**
- **Selectable Mic/Line Switch**
- **Front Panel Instrument XLR Input**
- **Balanced 1/4" or XLR Outputs**
- **MIDI Control**



H A Harman International Company

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SPECIFICATIONS

Microphone Input

Connector: Female XLR pin 2 hot
Type: Electronically balanced/unbalanced RF filtered
Impedance: Balanced <math>< 18\text{kHz}</math> / unbalanced 79 kHz
Maximum Input Level: -9 dBu or +11 dBu with 20 dB pad engaged
CMRR: >40dB, Typically 55dB at 1kHz
Equivalent Input Noise: Typically -120.2 dBu with a 150 Ω source load, 20Hz to 20kHz BW
Gain: +30dB to +60dB

Line Input (Rear Panel)

Connector: TRS 1/4" jack
Type: Electronically balanced/unbalanced
Impedance: 20k Ω unbalanced, 40k Ω balanced
Maximum Input Level: +18dBu balanced or unbalanced
CMRR: >40dB, Typically 55dB
Gain: -15dB to +15dB

Instrument Input (Front Panel)

Connector: TS 1/4" Jack
Type: Unbalanced
Impedance: 470 k Ω
Maximum Input Level: +18dBu unbalanced

Analog Outputs

Connector: Male XLR pin 2 hot and TRS 1/4"
Type: Electronically balanced
Impedance: Balanced 120 Ω , unbalanced 60 Ω
Maximum Output Level: >+18 dBu into 100 k Ω

S/PDIF Digital Output

Connector: RCA
Impedance: 75 Ω

A-D System Performance

A-D Conversion: 24-bit, dbx Type IV™ Conversion System
Converter Dynamic Range: 105 dB typical, A-weighted, 22 kHz bandwidth
102 dB typical, unweighted, 22 kHz bandwidth
Up to 117 dB with transient material, A-weighted, 22 kHz bandwidth
Type IV™ Dynamic Range: Up to 115 dB with transient material, unweighted, 22 kHz bandwidth
Typically 109 dB with program material, A-weighted, 22 kHz bandwidth
Typically 106 dB with program material, unweighted, 22 kHz bandwidth

THD+Noise: 0.002% typical at +4 dBu, 1 kHz, input gain at 0 dB
Frequency Response: 20 Hz to 22 kHz, +0/-0.5 dB

D-A System Performance

D-A Conversion: 24-bit
Dynamic Range: 103 dB typical, A-weighted, 20 kHz bandwidth
101 dB typical, unweighted, 20 kHz bandwidth
THD+Noise: 0.002% typical at +4 dBu, 1 kHz, output gain at 0 dB
Frequency Response: 20 Hz to 20 kHz, +0/-0.5 dB
Interchannel Crosstalk: < -85 dB at 1 kHz, output gain at 0 dB

Power Supply:

Operating Voltage: DO: 120 VAC, 60Hz, 100 VAC 50/60 Hz - EU: 220-240 VAC 50/60 Hz
Power Consumption: 15 watts

Physical:

Dimensions: 1.75"Hx 5.75"Dx19"W
Weight: 7.14 lbs. (3.24 kg)
Shipping Weight: 10 lbs (4.40 kg)

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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