



SPECIFICATIONS

dbx® Microphone Inputs: (2) Female XLR Pin 2 Hot
 Input Impedance: 600 Ohms balanced
 Phantom Power: +48 Volt
 EIN: -120 dB A-weighted @ 50dB gain (150 Ohm source impedance)
 Maximum Input Level: +18 dBu
 THD+N: <.005%, 20 Hz - 20 kHz

Insert Inputs: (2) 1/4" TRS
 Send Level (tip): +19 dBu maximum
 Maximum Return Level (ring): +19 dBu maximum

Line Inputs: (4) 1/4" TRS balanced or unbalanced
 Input Impedance: 20 kOhm balanced, 10 kOhm unbalanced
 Maximum Input Level: +22 dBu
 Frequency Response: +0, -0.2 dB 20 Hz - 20 kHz, ref. 1 kHz
 THD+N: <.009% A/D, 20 Hz - 20 kHz

Instrument Input: (1) 1/4" mono jack
 Input Impedance: 1 MOhm unbalanced
 Maximum Input Level: +19 dBu
 Frequency Response: +0, -0.25 dB 20 Hz - 20 kHz, ref. 1 kHz

Line Outputs: (2) 1/4" TRS balanced or unbalanced
 Level: +19 dBu maximum
 Impedance: 110 Ohms
 Headphone Output: (1) 1/4" stereo jack
 100 mW per channel at 50 Ohms
 MIDI Interface: 5 pin DIN connectors for MIDI in and MIDI out
 Digital Audio Input: Coaxial RCA (S/PDIF format)
 Digital Audio Output: Coaxial RCA (S/PDIF format)
 D/A and A/D Conversion
 Sample Rate: 44.1 kHz or 48 kHz (determined by computer application)

Dynamic Range:
 A/D (24 Bit) 104 dB typical, A-weighted, 20 Hz - 20 kHz

D/A (24 Bit) 109 dB typical, A-weighted, 20 Hz - 20 kHz

Analog Path: 118 dB typical, A-weighted, 20 Hz - 20 kHz

USB Type B Socket: Version 1.1
 Power Requirements: PS0913B adapter supplied
 Dimensions: 4.625"W x 7.25"H x 7.75" D (118mm x 184mm x 197mm)
 Weight: 2.65 lbs.

PRO TRACKS PLUS™ REQUIREMENTS

Operating System: Windows® 2000/XP
 Processor Speed: 500MHz (1.2GHz recommended)
 RAM: 128MB RAM minimum (512MB recommended)
 Hard Disk Space: 100MB/full install
 Hard Disk Type: EIDE/Ultra DMA 7200RPM or better recommended

DECK™ 3.5 SE REQUIREMENTS

Operating System: Mac® OS X version 10.2.8 or later
 Processor Speed: G4 Processor (450Mhz or faster)
 RAM: 128MB RAM minimum (512MB recommended)
 Hard Disk Space: 20MB
 Hard Disk Type: 18 ms hard drive (average seek time) or faster
 Additional Requirements: QuickTime™ 3.0 or later
 Manufacturer supplied product authorization code within 2 weeks of installation

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FOR OVER 30 YEARS LEXICON HAS BEEN IN WORLD-CLASS RECORDING STUDIOS



NOW YOUR HOME CAN BE ONE OF THEM.



FOR OVER 30 YEARS LEXICON® HAS BEEN IN WORLD-CLASS RECORDING STUDIOS, NOW YOUR HOME CAN BE ONE OF THEM.

WHOLE SYSTEM

Lexicon® has taken a whole-system approach to desktop recording. Omega Studio is an integrated computer recording system that includes the Omega 8x4x2 USB I/O mixer, Pro Tracks Plus 32-track recording software, BIAS® Deck™ 3.5 SE 64-track recording software and Pantheon™ world-class Lexicon reverb plug-in. Omega Studio contains all of the components necessary to transform your computer into a professional 24-bit recording studio.

8x4x2 USB I/O MIXER

Differentiating itself from standard computer I/O boxes, which are typically based on a patch-bay paradigm, the Omega 8x4x2 USB I/O mixer is based on a mixer paradigm and includes input, output and mixing functions that support a variety of tracking/monitoring applications while requiring no additional mixing hardware.

PEAK INDICATORS: Make sure nasty, distortion-causing peaks don't sneak into your recordings.

LINE LEVELS: Control the mix level of the professional quality line input to the mix bus.

BUS ASSIGN: Assign the mic and the line inputs in pairs to the 4 USB busses. Signals are converted to digital using ultra-transparent, very low noise 24-bit A/D converters.

MONITOR MIX: Omega's monitor mix control provides an easy way to balance your audio source and playback mix levels while recording. It allows for zero latency input monitoring.

INSTRUMENT IN: The ultra-Hi-Z input, designed to be used with either magnetic or piezo pickups, won't load down your instruments and rob them of their high end.



MIC LEVELS: Control the mix level of the high-end dbx mic pre to the mix bus.

STEREO/MONO: Select whether you monitor the inputs in mono or stereo.

METERING: Omega features a 2-channel, 4-segment assignable bargraph meter to monitor exact levels at the A/D converters. Other products that don't include hardware meters rely on application software metering that can miss clipping at the converters allowing distortion to sneak through without warning.

S/PDIF ASSIGN: Assign the S/PDIF input to USB channels 1 and 2.

TRU-REFERENCE™ HEADPHONE AMP: Omega's Tru-Reference™ headphone amplifier offers ultra-clear monitoring through its discrete design while delivering the power needed for all types of headphones.

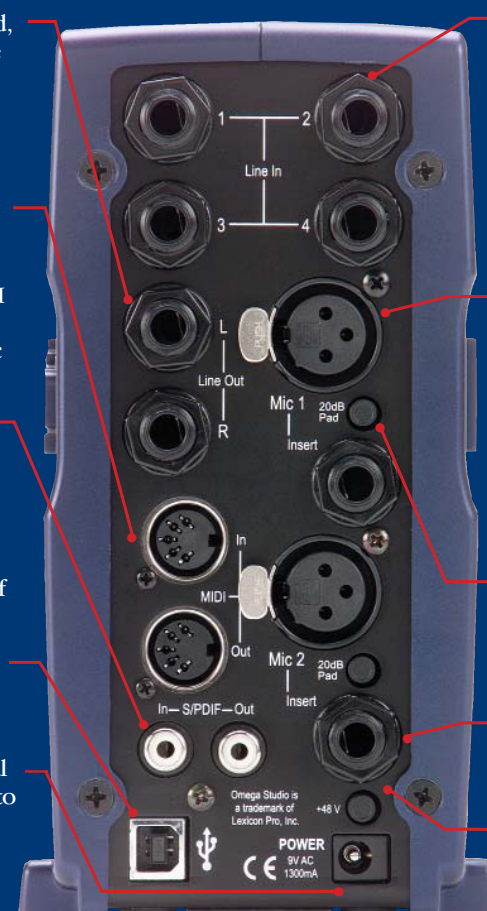
LINE OUTPUTS: RF filtered, TRS servo-balanced, active outputs are smart enough to know when they are connected to balanced or unbalanced equipment.

MIDI IN/OUT: Fully opto-isolated MIDI input ensures that there is no ground loop hum or MIDI talk-through noise. MIDI output has rock solid sync to USB frame rate.

S/PDIF: Direct digital transfers to or from your gear avoids unnecessary sonically degrading A/D and D/A conversions. An additional DAC allows zero latency monitoring of the S/PDIF source.

USB: Connect up to your computer with the included USB cable.

POWER: Omega's external power supply is superior to using the internal USB power provided by the computer, which is often noisy and insufficient for professional applications.



LINE INPUTS: RF filtered TRS active-balanced inputs accept either balanced or unbalanced signals. These inputs will accept a maximum input of +22dBu to allow interfacing to professional high-output level equipment.

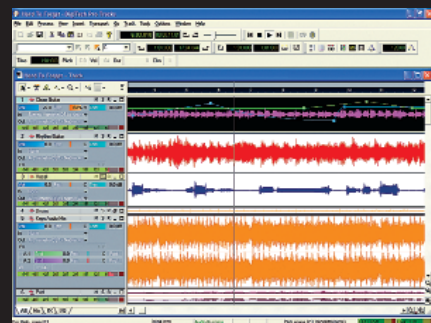
MIC PREAMPS: Extremely low noise dbx® mic preamps allow you to get impeccable performance out of high-end studio condenser mics. Their performance still shines when using more common dynamic mics as well.

-20dB PAD: Reduces input gain by 20 dB to accommodate high-output microphones.

TRS INSERTS: Use your favorite outboard processor with the TRS insert points.

+48V PHANTOM POWER: All high-quality condenser mics require true +48V phantom power.

Pro Tracks Plus™ Multi-Track PC Recording Software



Pro Tracks Plus is an easy-to-use, comprehensive 32-track recording suite that includes all the modules you need to track, edit, and mix your masterpiece.

- 32 24-bit stereo tracks
- Unlimited MIDI tracks and sequencer with powerful event editing
- Advanced realtime signal processing with VST™ and DXi plug-in support
- DXi soft synth support
- Track, edit, process, sequence and mix
- Numerous professional metering options
- Burn professional quality CDs from your projects.
- Supports multiple file formats including AIFF, MP3, MP2, AU, ASF, MPG, WAV, and SND

BIAS® Deck™ 3.5 SE Multi-Track Mac® Recording Software



BIAS Deck 3.5 SE turns your Mac into a full-fledged recording studio. Easily record up to 64 tracks, with full CD quality and then edit your work instantly, while always being able to revert to your original recordings.

- 32 Stereo tracks or 64 mono tracks
- Up to 999 virtual tracks
- Advanced realtime signal processing with VST plug-in support
- Monitor previously recorded tracks while recording new tracks
- Non-destructive punch-in & punch-out
- Master fader with stereo effects bus
- Store and recall unlimited location points
- Supports multiple file formats including AIFF, SDII, WAV, SND, & QuickTime™

Lexicon Pantheon™ World Class Reverb Plug-In



The Lexicon name is synonymous with "the world's best reverb." Pantheon continues this legacy and delivers that "Lexicon Sound" used on most of today's recorded music and movies.

- Built Into Pro Tracks Plus and DECK 3.5 SE
- Gives recordings that legendary "Lexicon Sound"
- 35 factory presets
- 6 reverb types
- 16 editable parameters per reverb type
- Mono and stereo operation
- Advanced yet easy-to-use interface
- Floating point DSP processing
- 16 and 24 bit compatible
- Efficient CPU utilization