



LEXICON Omega

CONTAINS ALL THE COMPONENTS NECESSARY TO TRANSFORM YOUR COMPUTER INTO A PROFESSIONAL 24-BIT RECORDING STUDIO.

PURE INSPIRATION

The recording professionals at Lexicon Pro know a thing or two about great audio - that famed Lexicon reverb "sound" has been on just about every hit recording since we invented digital reverb more than 30 years ago. So when we set out to bring that sound home - we got truly inspired.



OMEGA DESKTOP RECORDING STUDIO

EIGHT INPUTS: RECORD UP TO SIX TRACKS AT ONCE!

THE COMPLETE SYSTEM

Nothing is more frustrating than buying a "recording system," only to find out that you need a gaggle of extras just to make it all work. Omega Studio is a completely integrated computer recording system that includes the Omega 8x4x2 USB I/O Mixer, Steinberg's® Cubase LE audio and MIDI recording software, and Lexicon's world-class Pantheon VST Reverb plug-in. The Omega Desktop Recording Studio quite literally contains all the necessary components to transform your computer into a professional 24-bit recording studio - all in one box.

A REAL MIXER

Unlike standard computer I/O boxes based on a patch bay concept, the Lexicon Omega Studio is designed and built around the same paradigm as large-format recording consoles. An 8-input, 4-Bus, 2-output USB I/O mixer with inserts, instrument input, MIDI I/O and complete metering and monitoring functions gives you the freedom to record up to 4 tracks at once and mix without the need for additional mixing hardware.

Two dbx Silver Series® mic preamps with 48V phantom power provide a pristine front end for high-end condenser or more common dynamic microphones, insuring premium sound quality from the first take to the last. TRS insert points allow you to plug in your favorite dynamic processors before the signal reaches one of the 4 busses, where 24-bit converters transform the analog signal into a digital masterpiece.

Four servo-balanced TRS line inputs with up to +22dBu input levels let you hook up everything from keyboards to guitar preamps, including high-output professional gear. Stereo digital inputs are available via SPDIF jacks, and an additional high-impedance instrument input is included on the front panel for easy access to guitars and basses.

Finally, a fully opto-isolated MIDI input to ensures that there is no annoying ground loop hum or MIDI talk-through noise common with many I/O boxes and sound cards; MIDI output has rock-solid synchronization to USB frame rate to support applications requiring critical sync.

The Omega I/O mixer also features channel peak indicators for each analog input as well as an assignable bargraph meter for the 4 busses. By monitoring the signal before the A/D converters, clipping and distortion can be averted, unlike software-only level monitoring that can miss "overs", ruining the track.

All these gazintas and getoutzas are put together just like a big recording console, with input gain controls, four recording busses, and full monitoring features, in one attractive, portable I/O Mixer. Just plug it into your Mac or PC computer with the included USB cable, and you're instantly ready to capture the moment.

Omega



Lexicon engineers are constantly working to improve the quality of our products. Specifications are, therefore subject to change without notice.

Microphone Inputs

(2) Female XLR Pin 2 Hot

Input Impedance	664 Ohms balanced
Phantom Power	+48 Volt
EIN	-118 dB @ 51 dB gain (150 Ohm source impedance) -120 dB A-weighted
Maximum Input Level	-2 dBu (150 Ohm source impedance)
Frequency Response	+0, -0.2 dB 20 Hz - 20 kHz, ref. 1 kHz
Microphone Inputs	(2) Female XLR Pin 2 Hot
Input Impedance	664 Ohms balanced
Phantom Power	+48 Volt
EIN	-118 dB @ 51 dB gain (150 Ohm source impedance) -120 dB A-weighted
Maximum Input Level	-2 dBu (150 Ohm source impedance)
Frequency Response	+0, -0.2 dB 20 Hz - 20 kHz, ref. 1 kHz
THD+N	<.005%, 20 Hz - 20 kHz
Insert Inputs	(2) 1/4" TRS balanced or unbalanced
Send Level (ring)	+19 dBu maximum
Maximum Return Level (tip)	+19 dBu maximum
Line Inputs	(4) 1/4" TRS balanced or unbalanced
Input Impedance	20 kOhm unbalanced, 10 kOhm unbalanced
Maximum Input Level	+19 dBu (40 Ohm source impedance)
Frequency Response	+0, -0.2 dB 20 Hz - 20 kHz, ref. 1kHz
THD+N	<.012% A/D, 20 Hz - 20 kHz, <.012% A/D/A, 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
THD+N	<.0125% A/D
Crosstalk	<-74 dB any input or output to any recording channel, 20 Hz-20 kHz <-95 dB at 1 kHz typical

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) always transmits the audio data from the USB stream
D/A and A/D Conversion Sample Rate:	44.1 kHz or 48 kHz (determined by computer application)
Dynamic Range:	
A/D	>101 dB typical, unweighted, 20 Hz - 20 kHz >104 dB typical, A-weighted, 20 Hz - 20 kHz
D/A	>107 db typical, unweighted, 20 Hz - 20 kHz >109 db typical, A-weighted, 20 Hz - 20 kHz
A/D/A	>100 dB dB typical, unweighted, 20 Hz - 20 kHz >103 dB typical, A-weighted, 20 Hz - 20 kHz
Analog Path	>115 dB dB typical, unweighted, 20 Hz - 20 kHz >118 dB typical, A-weighted, 20 Hz - 20 kHz
USB Type B Socket:	Version 1.1, Version 1.1 hubs are not supported
Power Requirements:	PS0913-B adapter supplied
Dimensions	4.625" W x 7.25" H x 7.75" D (118mm x 184mm x 197mm)
Weight	2.65 lbs.

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