Lexicon

Alpha, Lambda and Omega Desktop Recording Studios™.

Lexicon's three complete desktop recording solutions make it easy to record, arrange, edit, process and mix your music.

You don't follow the crowd.

You play to them. You don't dream of being in a recording studio. You travel with one.

Lexicon's three completely integrated recording systems let you capture your musical ideas whenever they strike. Expand and enhance those ideas into sophisticated multi-track productions with 24-bit, audiophile sound quality.

Are you ready to record — even if you never have before? Read on. Learn how YOU CAN.

Lexicon

SPECIFICATIONS

	Omega Studio™	Lambda Studio™	Alpha Studio™
Microphone Inputs	(2) Female XLR Pin 2 Hot	(2) Female XLR Pin 2 Hot	(1) Female XLR Pin 2 Hot
Input Impedance	600Ω balanced	600Ω balanced	600Ω balanced
Phantom Power	+48 Volt DC	+48 Volt DC	No
GAIN	+50dB	+44dB	+44dB
EIN (150Ω source)	–120dB A-weighted @ 50dB gain	–120dB A-weighted @ 44dB gain	–115dB A-weighted @ 50dB gain
Maximum Input Level	+18dBu	+6.5dBu	-10dBu
Frequency Response	+0, –0.2dB 20 Hz - 20kHz, ref. 1kHz	+0, –0.5dB 20 Hz - 20kHz, ref. 1kHz	+0, –0.5dB 20 Hz - 20kHz, ref. 1kHz
THD+N	<.005%, 20Hz - 20kHz	<.005%, 20Hz - 20kHz	<.005%, 20Hz - 20kHz
Insert Inputs	(2) 1/4" TRS	(2) 1/4" TRS	—
Send Level (tip)	+19dBu maximum	+10dBu maximum	—
Max Return Level (ring)	+19dBu maximum	+11dBu maximum	—
Line Inputs	(4) 1/4" TRS balanced or unbalanced	(2) 1/4" TRS balanced or unbalanced	(2) 1/4" TRS balanced or unbalanced
Input Impedance	20kΩ balanced, 10kΩ unbalanced	20kΩ balanced, 10kΩ unbalanced	20kΩ balanced, 10kΩ unbalanced
Maximum Input Level	+22dBu	+13dBu	+12dBu
Frequency Response	+0, –0.2 dB 20 Hz - 20kHz, ref. 1kHz	+0, –0.5 dB 20 Hz - 20kHz, ref. 1kHz	+0, –0.2 dB 20 Hz - 20kHz, ref. 1kHz
THD+N	<.009% A/D, 20Hz - 20kHz	<.009% A/D, 20Hz - 20kHz	<.009% A/D, 20Hz - 20kHz
Instrument Input	(1) 1/4" mono jack	(1) 1/4" mono jack	(1) 1/4" mono jack
Input Impedance	1 MΩ unbalanced	1 MΩ unbalanced	1 MΩ unbalanced
Maximum Input Level	+19dBu	+8.5dBu	+8.5dBu
Frequency Response	+0, –0.25 dB 20 Hz - 20kHz, ref. 1kHz	+0, –1 dB 20 Hz - 20kHz, ref. 1kHz	+0, 1 dB 20 Hz - 20kHz, ref. 1kHz
THD+N	<.0125% A/D	<.0125% A/D	<.0125% A/D
Crosstalk	<–74dB any input or output to any recording channel, 20Hz-20kHz <–95dB at 1kHz typical	<–74dB any input or output to any recording channel, 20Hz-20kHz <–95dB at 1kHz typical	<–74dB any input or output to any recording channel, 20Hz-20kHz <–95dB at 1kHz typical
Line Outputs	(2) 1/4" TRS balanced or unbalanced	(2) 1/4" TRS balanced or unbalanced	(2) 1/4" TRS bal./unbal. + (2) RCA
Level	+19dBu maximum	+16dBu maximum	+16dBu maximum (1/4" TRS)
Impedance	110Ω	1kΩ balanced, 500Ω unbalanced	1kΩ balanced, 500Ω unbalanced
Headphone Output	(1) 1/4" stereo jack 100 mW per channel at 50 Ohms	(1) 1/8" stereo jack 25 mW per channel at 50 Ohms	(1) 1/8" stereo jack 20 mW per channel at 50 Ohms
MIDI Interface	MIDI IN/MIDI OUT - 5 pin DIN	MIDI IN/MIDI OUT - 5 pin DIN	—
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- A/D Sample Rate	44.1 kHz or 48 kHz (determined by computer application)	44.1 kHz or 48 kHz (determined by computer application)	44.1 kHz or 48 kHz (determined by computer application)
Dynamic Range, 20Hz-20kHz:			
A/D (24 Bit)	104dB typical, A-weighted	96dB typical, A-weighted	96dB typical, A-weighted
D/A (24 Bit)	105dB typical, A-weighted	100dB typical, A-weighted	100dB typical, A-weighted
A/D/A (24 Bit)	103dB typical, A-weighted	95dB typical, A-weighted	95dB typical, A-weighted
Analog Path	118dB typical, A-weighted	109dB typical, A-weighted	109dB typical, A-weighted
USB Type B Socket	Version 1.1, Version 1.1 hubs are not supported	Version 1.1, Version 1.1 hubs are not supported	Version 1.1, Version 1.1 hubs are not supported
Power Requirements	PS0913-B 9VAC adapter supplied. requires 18W at 120 V	USB Bus-powered	USB Bus-Powered
Dimensions	4.625" W x 7.25" H x 7.75" D (118mm x 184mm x 197mm)	3.4" W x 6.5" H x 6.5" D (86mm x 165mm x 165mm)	6.75" W x 1.6 H x 6.5" D (171mm x 40mm x 165mm)
Weight	2.65 lbs. (1.2 kg)	1.92 lbs (0.86 kg)	1.1 lbs (0.49 kgs)

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I can

:: record
:: arrange
:: edit
:: process
:: mix

Complete desktop recording solutions

Lexicon

ΩMEGA™ DESKTOP RECORDING STUDIO

LAMBDA™ DESKTOP RECORDING STUDIO

ALPHA™ DESKTOP RECORDING STUDIO

Alpha, Lambda & Omega Recording Studios: The Back Story

ALPHA DESKTOP RECORDING STUDIO

LAMBDA DESKTOP RECORDING STUDIO

OMEGA DESKTOP RECORDING STUDIO

From Lexicon®, one of the most respected names in professional audio equipment, come studio quality recording solutions that are remarkably easy to use.

Each of our completely integrated recording systems has the tools you need to transform your computer into a full-on professional 24-bit digital studio.

All digital recording systems have two important parts.

The first is an *interface*. Also known as an *I/O box*, it does several jobs at once. It's what you plug microphones and instruments into. It controls the levels of the sounds you record and displays their relative levels on an LED display. It also translates analog sound into a digital format that your computer can use. And it converts digital audio back into a form you can listen to via speakers or headphones.

Alpha, Lambda and Omega Recording Studio™ interfaces all perform these functions. They differ primarily in how many instruments you can record at once, how many tracks you can adjust at once, and how much control you have over individual tracks.

Each is a studio-quality device that delivers full-range, better-than-CD-quality digital sound to your computer.

Unlike standard computer I/O boxes, Lexicon recording studios are designed around the same paradigm as large-format recording consoles. You get intuitive hands-on control over the most importantfunctions. They're easier to use and much more conducive to creativity and spontaneous recording.

	Omega Studio™	Lambda Studio™	Alpha Studio™
Inputs / Buses / Outputs	8 x 4 x 2	4 x 2 x 2	2 x 2 x 2
Simultaneous recording chs.	6	4	2
Microphone Preamps	2	2	1
Hi-Z Instrument Input	Yes	Yes	Yes
Recording software included	Yes	Yes	Yes
Inserts	2	2	—
Power Supply	External	Bus-powered	Bus-Powered
Digital I/O	S/PDIF		

Software: the other important part.

We designed Lexicon Studios so that you can spend more time making music, and less time fiddling with knobs. But once your music is captured on your computer's hard disk, it's time to fiddle around to your heart's content.

By that, we mean editing, adding extra tracks, effects and finally mixing down your songs. And that means powerful but easy-to use software. Steinberg's **Cubase** is the preferred software for thousands of composers, producers and recording artists.

The 48-track LE version included with the Lexicon Studios is your easy-to-use creative tool kit for capturing and perfecting musical ideas. It lets you record individual instrument and vocal tracks, add and score MIDI instruments, cut, paste and edit tracks into final form and then mix down to CD or MP3 using high-quality effects.

Moreover, Cubase LE lets you migrate your project to more complex versions of Cubase as you become more experienced. Seamlessly integrated with Alpha Lambda and Omega Studios, Cubase® LE is the perfect virtual studio for every use from quickly capturing rough ideas to meticulously polishing complete compositions.

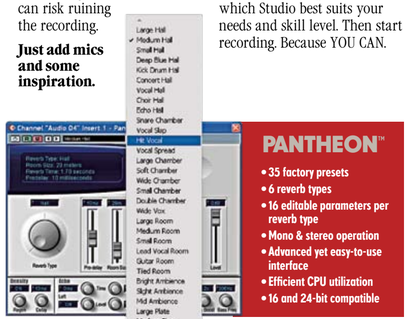
Pantheon: The finishing touch to your creations.

When you mix down all your recorded tracks into a stereo version, you'll discover that reverberation is the most important studio effect needed to add a professional touch to your songs. The Lexicon name is synonymous with "the world's best reverb". The Pantheon™ plug-in included with all three Studios continues this legacy and delivers that "Lexicon Sound" used on most of today's recorded music and movies. Tweak the parameters of six different reverb types. Or use one of the 35 factory presets. Either way, you'll love the results.

The right stuff.

All three Lexicon studios include microphone and line level inputs, separate instrument input for guitar and bass. Each model features channel peak indicators for each analog input; Lambda and Omega Recording Studios also have MIDI I/O and metering/monitoring functions and an assignable bargraph meter. By monitoring the levels of vocals or instruments before the analog-to-digital converters, harsh-sounding overloading can be averted. Interfaces that rely on software for level monitoring can't do that and can risk ruining the recording.

Just add mics and some inspiration.



PANTHEON™

- 35 factory presets
- 6 reverb types
- 16 editable parameters per reverb type
- Mono & stereo operation
- Advanced yet easy-to-use interface
- Efficient CPU utilization
- 16 and 24-bit compatible

Cubase • LE

- 48 audio and 64 MIDI tracks
- Professional audio editing — cut, paste, copy and loop song tracks
- A wealth of built-in signal processing features like Chorus, Gating and EQ
- Full automation of volume, pan, mute and effects for professional-sounding mixdown
- MIDI score editor with advanced quantization and logical presets
- Supports up to 8 VST instruments
- 2 insert and 4 effect sends per channel
- VST system link and ReWire 2 compatible

Designed for Microsoft® Windows® XP

Mac

ASIO

All these hardware and software features are put together in three fully portable I/O mixers. Plug one into your Mac® or PC computer with the included USB cable, and you're ready to capture the moment.

Visit your Lexicon dealer today. They'll help you decide which Studio best suits your needs and skill level. Then start recording. Because YOU CAN.

It doesn't take a degree in Electrical Engineering to start recording with a Lexicon Recording Studio. But you *do* have to plug a few things in. In our manuals, we cover step-by-step hook-up for each studio in detail. Here's a quick tour of the Alpha, Lambda and Omega Recording Studio™ back panels.

1 *Microphone Preamp.* This is where you plug in external microphones. All three Lexicon Recording Studios will accept dynamic microphones; Lambda and Omega Recording Studios provide +48 volt phantom power for studio condenser microphones.

2 *Balanced/unbalanced line level inputs.* Here's where you plug in analog keyboard outputs, drum machines, CD or MP3 players.

3 *Balanced/unbalanced line level outputs.* Connect these to external active monitor speakers, a PA or recording console or analog DAT recorder inputs.

4 *Unbalanced RCA line level outputs* give you a second way to route analog sound to speakers or other destinations.

5 *Digital S/PDIF inputs and outputs* (Omega Studio only) Lets you digitally connect to external processors or recorders.

6 *Channel Insert.* These are "loops" that route the sound from a Lexicon Studio channel out to an external processor — such as a compressor or equalizer — and then back into the Lexicon Studio.

7 *–20dB pad switch.* (Omega Recording Studio™ only) Although Lexicon circuitry and mic preamps are built to handle strong signals without overloading, there *is* a limit. To keep *really* loud inputs (such as drums or screaming vocalists) from distorting, press this button.

8 *MIDI In/Out* for connecting MIDI keyboards, sound modules and external controllers

9 *USB Port* connects to your PC or Macintosh® computer.

9 *High-Impedance input* (on the front panel of all three units) lets you directly connect electric guitars and basses.

Alpha, Lambda & Omega Recording Studio Computer Requirements

Windows® Operating System: Windows XP Home or XP Professional; Processor: Pentium III® 500 MHz or AMD® K7 (Pentium 4/Athlon 1 GHz or faster recommended); RAM: 256 MB (512 recommended); Hard Disk Space: Multiple Gigabytes, 180 MB for application; USB Port:* USB or USB 2

Mac® Operating System: Mac OS X Version 10.2.8 or higher; Processor: Power Macintosh G4 450 MHz or faster; RAM: 256 MB (512 recommended); Hard Disk Space: Multiple Gigabytes. 180 MB for application, USB Port:* USB or USB 2

* Some USB hubs may not support full bandwidth