

lexicon

PERFORMANCE

S E R I E S

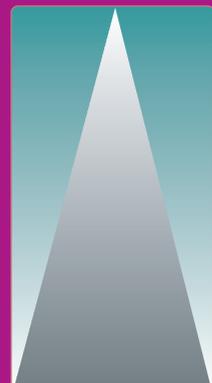
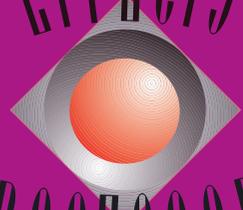


Alex
Reflex

DIGITAL

EFFECTS

PROCESSORS



Alex Digital Effects Processor Reflex Dynamic MIDI® Reverberator

The *Alex Digital Effects Processor* and *Reflex Dynamic MIDI® Reverberator* put Lexicon's legendary digital reverb and effects processing into two remarkably affordable packages. Both are full rack devices with a multi-character LED display, and full remote control of program change and bypass via standard footswitches. In addition, Reflex features Lexicon's incredible *Dynamic MIDI®* control. Alex and Reflex have 16 phenomenal presets, 3 adjustable parameters (*giving you over 4,000 effects combinations*), plus another 16 user registers (*128 in Reflex*) for storing your own unique sounds. Like our classic LXP family of processors, Alex and Reflex have stereo in and out $\frac{1}{4}$ in jacks, and can create real stereo effects, such as panned echoes, even from a mono source.

The Effects

Alex and Reflex offer 16 presets which cover a wide range of musically useful effects. Among these presets are a wide range of fantastic reverbs including: halls, rooms, plates, gates, and inverse room. Both feature rich multi-voice chorusing, flanging, straight echoes, and stereo multi-tap delays. In addition, Reflex offers a unique resonator algorithm, and its reverb algorithms feature a randomizer to reduce coloration and improve the character of long reverb tails, plus early reflection effects.

Editing and customizing effects is a breeze. Three adjustable parameters are available for each preset. These are labeled *decay*, *delay* and *fx*

lvl. To edit the effects, simply press the parameter button to indicate which one you wish to change, and turn the *Value* knob until you've found the setting that works best for you.

Reflex incorporates a special *Advanced Programming* mode, which provides editing capabilities for additional parameters within the Reflex effects – all from the front panel. A parameter chart is included with Reflex to make editing simple and straightforward. This allows you to access the deeper portions of the algorithm, and tailor the sounds to your specific needs. You can also edit Reflex effects with an external MIDI device, such as the Lexicon *MRC (MIDI Remote Controller)*. Reflex is compatible with existing *LXP-1* MIDI editing systems like *Mark of the Unicorn's Unisyn™* and *TB Systems' Soft MC™*.

We've given you plenty of user registers for storing your customized sounds – 16 in Alex and 128 in Reflex. These registers can be arranged in any order you like, so you can arrange your effects sequentially to match your set list.

Remote Control

Having all of these great sounds at such a low price is wonderful. But you also need to be able to access the sounds quickly and easily to make a processor useful on stage. So with Alex and Reflex, we decided to make the remote control as simple as could be.

Using standard footswitches, you can bypass the unit for those moments when you want to



Feature Comparison

Alex

- 7 Algorithms
- 16 Preset Effects
- 16 User Register Locations
- 3 Adjustable Parameters per Effect
- Stereo In/Out
- Register Chaining
- Footswitch Control

Reflex

- 8 Algorithms (inc. enhanced Concert Hall algorithm)
- 112 Preset Effects (16 presets, plus 96 more in registers 33–128)
- 128 User Register Locations
- Up to 10 Adjustable Parameters per Effect
- Stereo In/Out
- Register Chaining
- Footswitch Control
- Full Dynamic MIDI® Implementation

play dry. You can also use a footswitch to send a program change, allowing you to step through your effects.

Furthermore, you can create register chains—groups of registers which loop around to match a set list or song sections. This kind of customization is essential for making Alex, or Reflex, your own personal effects processor.

With Reflex, the control possibilities increase dramatically, thanks to the addition of *Dynamic MIDI*. Using external controllers, such as a standard MIDI footpedal or the Lexicon

MRC, you can easily access all of the functionality within Reflex. Delay tempos can be slaved to MIDI, and we've also included *MIDI Bulk Data Dumps* for extended flexibility and convenience.

Lexicon's *Dynamic MIDI* provides dramatic control over effects parameters from any MIDI controller, such as mod wheels, sliders, etc. Up to four MIDI patches can be created per effect, allowing you to breathe life into your effects. *Dynamic MIDI* allows exceptionally expressive performance and control over your effects.

Something For Everyone

Because of their remarkable sound quality, Alex and Reflex have something to offer virtually everyone, from guitar players, to keyboardists, to vocalists, or to small studios who have to do all of the above – and then some.

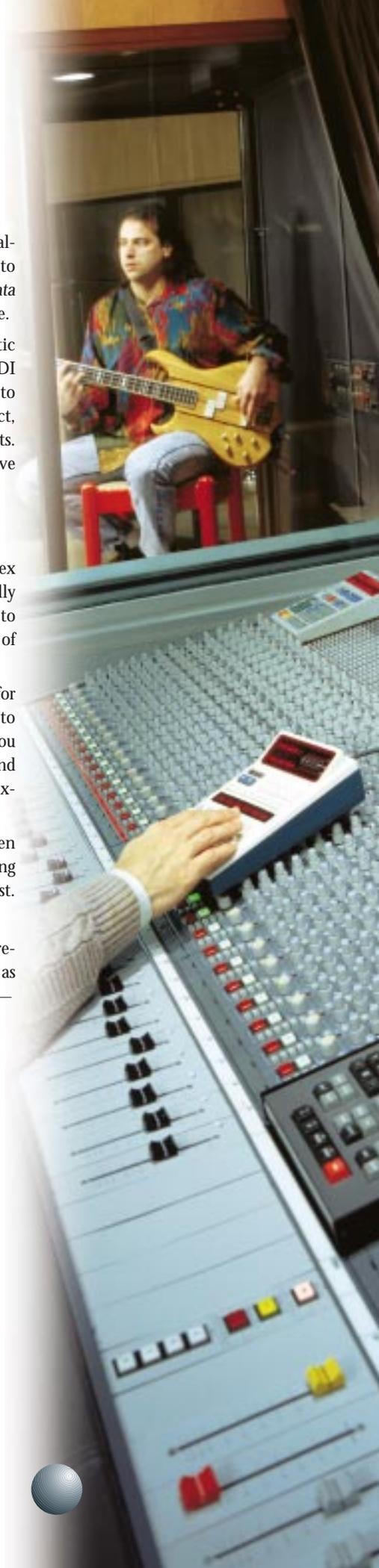
Many of the presets have been optimized for certain instruments or sounds, but feel free to experiment. Great things can happen when you take an alternative route, and with Alex and Reflex you can be assured that you have the flexibility to create something new and different.

Check out Alex and Reflex today. When you hear the difference that Lexicon processing makes, you'll settle for nothing less than the best.

Effects Algorithms

Hall – Lexicon's famous hall reverb, used to create spaces as large as a concert hall, or as small as

Continued on rear—



PERFORMANCE SERIES

an intimate club. Exclusive Randomizer feature (Reflex only) reduces coloration and enhances long reverb tails, with dual early reflections for added realism.

Inverse – Similar to gated reverb, except that the reverberation envelope is sharply tilted to provide a long rising attack, followed by a sharp cutoff. **Gate** Provides a very dense field with a sudden cutoff, rather than the smoothly decaying envelope normally associated with reverberation.

Plate – All of the sonic traits of a metal plate. The presets provide classic plate effects for drums and other percussive instruments, as well as for a variety of broadband audio sources.

Flanger – A stereo flange that can be used to create different effects from left and right outputs. Individual

delays of as much as 1 second, with separate feedback controls are provided, as well as rate and shape controls for the flange (“feedback” and “shape” available on Reflex only).

Chorus – 6-voice stereo chorus with both chorusing and delay effects. Lets you create single recirculating echo effects and slap echoes, or make use of longer delays (1.5 seconds). In Reflex, delay times can be driven by MIDI.

Single-Tap – A recirculating echo to 1.5 seconds.

Multi-Taps – A 4-tap bouncing delay with the bounce going back and forth between the left and right outputs. Reflex allows delay times to be driven by MIDI.

Resonator (Reflex only) – Simulates the acoustic effects of multi-stringed instruments. A series of resonators tuned to a chromatic scale is provided, with controls for tuning and damping.

SPECIFICATIONS*

Audio Inputs (2)

Level:	-30dBu minimum
Impedance:	Stereo/50kΩ unbalanced mono/25kΩ unbalanced

Audio Outputs (2)

Level:	-2dBu nominal; +8dBu maximum
Impedance:	75Ω unbalanced

Footswitch

Tip/Ring/Sleeve phone jack for bypass and register step

MIDI Connectors (Reflex only)

5-pin DIN connectors for MIDI IN and MIDI OUT or THRU (selectable via internal jumper)

Frequency Response

Wet:	20Hz to 15kHz, +1, -3dB
Dry:	20Hz to 20kHz, ±0.5dB

THD plus Noise

Wet:	<0.05% @1kHz
Dry:	<0.025% @1kHz

Dynamic Range

85dB typical
20Hz to 20kHz bandwidth

Conversion

16-bit linear PCM encoding;
31.25kHz sampling rate

Power Requirements

9VAC, 1A wall transformer provided

Dimensions

19.0" W x 1.75"H x 4.0" D
(483 x 45 x 102mm)

Weight

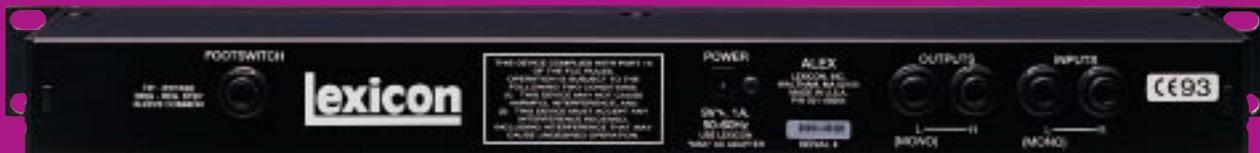
2 lbs, 11 oz (1.22 kg)

Environment

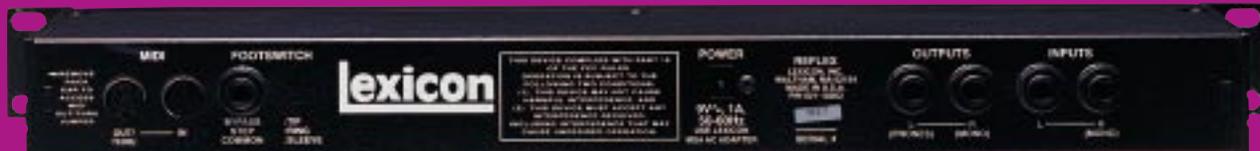
Operating Temperature:	32° to 104° F (0° to 40° C)
Relative Humidity:	95%, non-condensing

*All specifications apply to both Alex and Reflex unless otherwise indicated, and are subject to change without notice. All products indicated by a trademark or registration symbol are trademarked and/or registered by their respective manufacturers.

Studio Photo: Tom Galini; Courtesy of Recording Arts, Nashville, TN.



Alex Rear Panel Connections



Reflex Rear Panel Connections

Lexicon

HEARD IN ALL THE RIGHT PLACES

A Harman International Company