KORG

Debuts Two Rack Effect Processors: The DL8000R and AM8000R

Attention has been paid to every detail of the audio circuitry in the new DL8000R Digital Multi-Tap Delay and AM8000R Ambience Multi-Effects Processor. With high quality, sophisticated effects algorithms and parameters, these effect processors provide advanced sound processing power at an affordable price.

Intuitive two-control user interfacing allows easy access to each unit’s extraordinary processing power and ultra-large high-brightness vacuum luminescent displays allow effortless visibility under any lighting condition.
Superb studio-quality processing

The DL8000R is a true studio device with extremely clean, studio-quality processing and long stereo delay times up to 5,200ms. A maximum of 10,000ms can be achieved in mono with both delay lines connected in series.

The left and right delay lines feature independent 3 Band EQ, Pre-Delay and four delay taps each with high and low damp filters in the feedback loops. Each delay tap can be modulated by an array of sources including an internal LFO, MIDI controller data, envelope, assignable controllers, and MIDI clock. A comprehensive internal Mixer allows independent programmable level, stereo panning and polarity settings for each of the eight delay taps.

128 phenomenal factory preset programs

The DL8000R's 128 programs include variations with real-time parameter control, such as "TURNTHEWARP" which lets you use the front panel WARP! knob to create dramatic delay time parameter changes. The programs include an incredibly diverse selection of delay settings (mono, stereo, multi-tap, etc.), modulation-type programs such as chorus, flanger and phaser, and even tempo, rhythm and hold-type effects that can add depth to techno and club music, for example.

The DL8000R features essential studio application programs including a group which provide delay, modulation and EQ effect settings that recording engineers frequently use, along with programs created specifically for vocals. You also get real-time control programs for use with optional pedals, MIDI-sync programs, mic simulations, cabinet resonators, and unique special effects. Of course it's also possible to modify the preset programs to create your own, and store them in the 128 memories in the user area.

Flexible dynamic control

The DL8000R also offers simultaneous real-time control of up to sixteen parameters. Various parameters, controlled via MIDI, are expression pedal or footswitch, audio signal, or the special front panel WARP! knob. The DL8000R's specially designed DSP circuitry even allows glitch free real-time control of delay times.

Powerful studio-friendly features

Along with the usual Time mode, where delay time is manually selected, the DL8000R features a Tempo mode. This mode automatically sets delay times using Tempo and Factor (note value) parameters. A left and right Rhythm Parameter contains a selection of 21 different rhythmic delay patterns utilizing the eight delay taps.

A tap tempo function also allows setting delay times by tapping a dedicated front panel button or footswitch. An audio trigger function can detect audio peaks and automatically calculate delay times. And, delay time can be synced to MIDI clock.

The AM8000R is an extremely flexible true stereo multi-effects processor useful for a wide variety of applications including single instrument, studio, and live sound reinforcement.

Superb sound quality

The AM8000R utilizes 18 bit, 128 times oversampling analog-to-digital and digital-to-analog convertors operating at an industry standard 48kHz sampling rate. This provides a dynamic range greater than 96dB and a frequency response of 20Hz to 20kHz. The result is uncompromised processing power and audio clarity at a realistic price.

Killer multi-effects

As you would expect from KORG, the AM8000R includes a full range of forty sophisticated internal effects. Choose from ambient effects such as a variety of delays and reverb or from modulation effects including chorus, flanger, and phaser. In addition to the versatile are effects like a compressor, limiter, 3 band EQ and much more. Each effect maintains the highest quality and offers advanced parameters, usually found in only the most expensive processing equipment.

The modular AM8000R processing architecture allows three user assignable independent effects (plus left and right 3 band pre-EQ), to be routed and mixed internally.

Flexible real-time dynamic control

The AM8000R features simultaneous real-time control of up to eight parameters. Unlike many multi-effects processors which only offer control of a few pre-selected parameters, the AM8000R allows virtually any parameter of any effect to be controlled via MIDI, an expression pedal or footswitch, or the special front panel WARP! knob. Plus effects like Chorus / Flanger, Phaser and Filter can be further modulated by up to four types of LFOs. The results are effect parameter control as flexible as if you were actually twisting the knobs on numerous externally connected effects processors all at once!

AM8000R Effects List

<table>
<thead>
<tr>
<th>FX1/FX2</th>
<th>FLEXOR</th>
<th>Chorus / Flanger</th>
<th>Dual Chorus / Flanger</th>
<th>Modulation Delay</th>
<th>Stereo Modulation Delay</th>
<th>Dual Modulation Delay</th>
<th>Tape Delay</th>
<th>Phaser</th>
<th>Stereo Phaser</th>
<th>Dual Phaser</th>
<th>Pitch Shifter</th>
<th>DELAY/REVERB</th>
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AM8000R Connections

- Controls: Input Level (L, R), Output Level (L, R), Function Knob with Shift/Exit SW, Value Knob with Enter SW, WARP! Knob with Return SW, FX1 Input, FX2 Input, FX1 Input, FX2 Input, KORG Key, Bypass Key, Power SW. Programs: Use Programmable 128 programs + Preset 128 programs + Number of delay lines: 4 (L, R, 2, 3, and Feedback), Rx (L, R, 2, 3, and Feedback) with adaptive level and Gain. Delay time: max. 4,000ms (L, R, 10,000ms if pre-delay is used and delay line is connected in series). Inputs: Input 1, Input 2, Input 1A, Input 2A, Display: Large high brightness liquid crystal display, 12 characters alpha-numeric, 9 points function indicator, 5 points / ch level indicator. A/D, D/A Resolution: 16 bit Linear. Sample Rate: 48kHz/128 times over sampling bitstream DAC & 128 times over sampling bitstream DAC. Max. Input Level: +20.0dBu Input Sensitivity: -10dBu -9.0dBu (-9.0dBu). Head Room: 50dB. Max. Output Level: +20.0dBu Output Load Impedance: >6000Ω Frequency Response: 20Hz - 20kHz (+1.0dB, -0.5dB). Dynamic: Range: 96dB (-96dB) (Max: 96dB) (Min: -96dB) (Max: 96dB) (Min: -96dB). Power Supply: AC Power Consumption: 2000mA (max) Dimensions: 19" (W) x 8.5" (D) (1.7" (H)). Weight: 5.5 lbs. Accessories: AC/AC power supply, Rubber pads. [dBu = 0.779Vrms] [dB = Digital Full Scale Level]

KORG INC., 1-12, Shimotakaido 1-Chome, Sugamo-ku, Tokyo, Japan.
KORG USA, Inc., 316 South Service Road, Melville, NY11747, USA.
KORG (UK) LTD., 9 Newton Court, Kingswood, Milton Keynes, MK5 1AU, U.K.

NOTICE: KORG products are manufactured under strict specifications and voltages as required by each country. This products are available at the KORG/USA authorized distributors.