

STUDIO SERIES

PCM 80 DUAL FX CARD



The **Dual FX Card** for the PCM 80 provides unprecedented flexibility in ordering and routing of effects. The Dual FX Card contains 25 new algorithms with which we have created 225 new presets, along with 25 "Blank Slate" presets representing each algorithm. The new algorithms provide several combinations of reverbs and delay effects, in conjunction with a powerful new sub-mixer.

250 ALL NEW PRESETS

To get you started, there are 250 all new and very useful presets. Included among the presets are a wide range of effects designed specifically for music production, audio post production and special effects.

There's so much material to work with that you may never need to do any editing or customizing. But if you choose to, the PCM 80 and the Dual FX Card will offer you some of the most advanced sound designing tools ever created for an effects processor.

PROCESSED REVERB

Where the Dual FX card steps beyond the realm of the stock PCM 80 is that you can now extensively tailor the effects in ways never before possible—what we call "Processed Reverb". For

example, there are several presets designed for use specifically on drums. In these effects, we have followed the reverb with a 24 dB/octave filter (not available on the stock PCM 80), which allows an incredibly tight focus on a specific area of the sound. For example, Preset X0, 1.0, (Mix>Perc>BP) is a stereo chamber optimized for percussion. It allows more reverb to be used on the drums without muddying up the overall mix.

Similar presets have also been designed for Vocals, guitars, and other music related needs.

ANALOG SOUND MODELING

There are also a number of presets which were created by modeling analog sounds. For example, presets X0,3.2-3.7 are emulations of modeling the echo times and rolloff characteristics of different two-track tape machines and speeds. There are also models of tape flanges, with the adjust knob acting as a "thumb brake" on one of the two machines!

We also included some outside effects on the PCM 80 Dual FX Card. Preset X0, 0.9 (..And The Gods) was inspired by the first track of "Electric Ladyland". Hit it with a percussive sound (tympani, snare, gun shot) and click adjust from 0 to 1. A wall of thunder crashes down four octaves and



undulates rhythmically between the speakers. Hit it again, and click from 1 to 0 and the explosions rocket up into space!

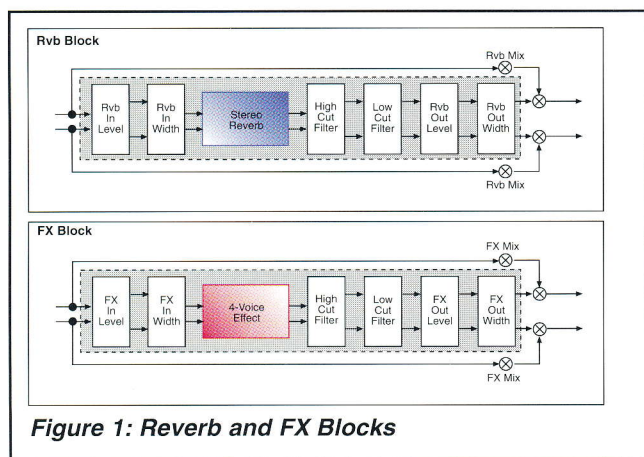
NEW ALGORITHMS

There are 25 new algorithms included within the PCM 80 Dual FX Card. They include the stunning reverbs in V1.0 of the PCM 80 (concert hall, rich chamber, rich plate, inverse, and infinite) in conjunction with extremely lush new 4-voice versions of the effects programs: 4-voice chorus/delay; multi-band delay; resonant chords 1; and resonant chords 2.

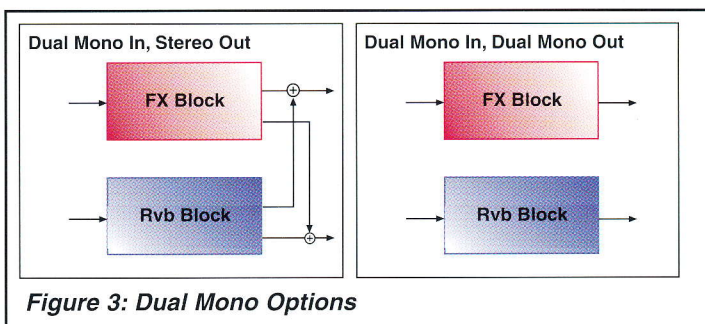
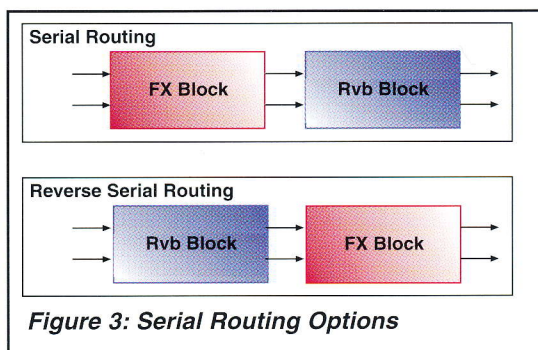
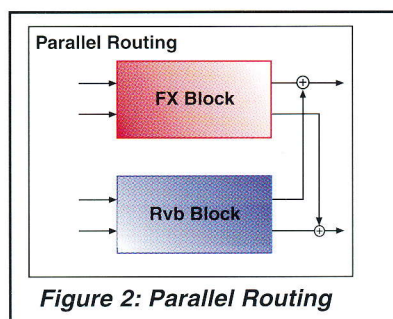
NEW CONTROLS

With a host of flexible new processing paths, the Dual FX Card opens up a whole new realm of effects routing capabilities. The following flow charts describe the configurations now possible within this powerful effects processor. (See Figures 1, 2, and 3)

The new sub-mixer is the key to unlocking the possibilities of the Dual FX card. With this unique new tool, you have unprecedented flexibility in effects routing. You can assign the effects "Blocks" as serial, parallel, or reverse serial. You also have the ability to run two dual mono configurations: dual mono in/stereo out, or dual mono in/dual mono out. Thus, with the chorus/hall algorithm, you could have a multi-voice chorus feeding a hall reverb. Or you could have the chorus on one channel and the hall on the other. Or you could have the hall feeding the chorus.



The Dual FX card enables you to not only select a routing configuration, but to seamlessly transition from one to another. For example you could seamlessly transition from dual mono to reverse serial. Furthermore, these adjustments can be made *dynamically*, from a front panel adjustment, via footpedal or MIDI.



GETTING YOUR DUAL FX CARD AND OTHER PCM 80 CARDS

Be sure to keep a lookout for future PCM 80 cards as well. We have lots of good things planned, including the Artist Series of preset cards from notable PCM 80 owners. Getting a Dual FX Card is really quite simple: visit your authorized Lexicon Professional Retailer or contact Lexicon for a dealer near you.

Lexicon

HEARD IN ALL THE RIGHT PLACES

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