

Commonly Asked DSP/GTR4000 Questions

Is there a Vocoder Preset ?

Yes, there is a simple vocoder in Bank 13 on the DSP4000.

Is there a 'Stutter' program like the H3000 has ?

Yes, see "Max Stutter" on the Broadcast Card.

Are there any Timesqueeze programs ?

Yes, "TimeSqueeze(R)" in bank 17 on the DSP4000, , "Easy Timesqueeze" on the Broadcast Card as well as "Digital Timesqueeze(R)" in Bank 33 of the Sampler Option. Note that the first two work with a variable speed tape recorder, whilst the last records the sound into RAM, and plays it back squeezed.

Are there any delays calibrated in video frames ?

Yes, "Video Delay" on the GTR/DSP cards.

Are there any Pitch Shifters that generate multi-part harmonies when controlled from a Midi keyboard ?

Yes, "Midi Harmony" on the GTR/DSP cards.

Are there any automatic Pitch Corrector Programs ?

Yes, "Auto Pitch Correct" in Bank 9, "623 Pitch Quantize" in Bank 18, both on the DSP4000.

Are there any PC or MAC based editors that can be used to create programs

Yes. RZ Cybernetics (818 760 8055) offers MAC tools for the DSP4000 and H3000, while for PC users there is a Windows text and graphics editor available on the Eventide Web Site.

Why do the programs take time to load ?

Unlike many simpler systems which in effect offer a single hard-wired algorithm with software switches to give variations, each preset on the DSP4000 is a complete algorithm in itself. This means that when it is selected, a large amount of code has to be downloaded from ROM to the Signal Processors, which cannot happen immediately. For live performance use, the best approach is to use a single complex algorithm (for example, Templates or Virtual Pedalboards on the GTR4000, Multiple Effects on the DSP4000), and then use MIDI to change sounds during a number.