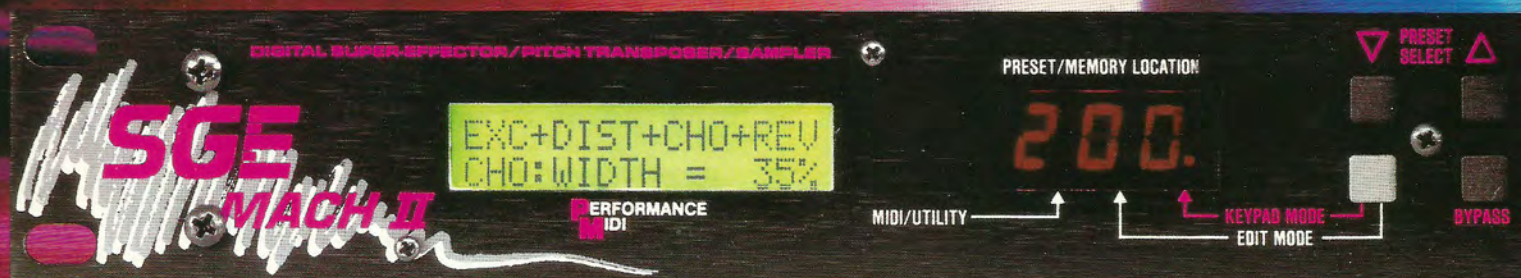


THE FIRST SIGNAL PROCESSOR OF THE 21st CENTURY



ART

ART INTRODUCES ITS MOST F

The SGE MACH II is the new shimmering standard in digital signal processing. The MACH II provides the processing power of thousands of dollars in studio gear in an incredibly compact and easy to use package!

The heart of the MACH II is a new D.S.P. that provides 12 simultaneous audio functions and sound quality that is unbelievable! With the power to combine the more than 70 effects at random, you have creative possibilities that are out of this world. No other processor even comes close!

THE HARMONIC EXCITER

The harmonic exciter is an exotic level and attack sensitive circuit that accents the natural harmonic content and gives it a brilliant edge. In live sound, it can make a vocal brighter and much more intelligible. In the studio, any source will sound much more open and natural. With a guitar, it can punch a solo through the din of heavy live amplification and add a cutting edge to fast leads.

- 12 Stunning studio effects at once!
- Over 70 different effects to choose from
- Bandwidth to 20 KHZ
- Better than 90 db S/N ratio
- Over two full octaves of pitch transposing
- 200 Memory locations
- Real time performance Midi™
- Studio presets of the finest guitar sounds
- Studio sampling — two full seconds, auto, manual, Midi triggering
- New 20 bit super speed internal processing
- 12 Killer distortions and overdrives
- Full programmability of parameters
- Rugged internal power supply
- Hyperspeed edit buttons
- SYS-EX codes
- Random access keypad
- Title edit capability
- 24 Different reverbs
- Over 20 different
- Stereo in/out
- Software updates obsolete
- Random chain of
- Two full seconds
- Fully transparent
- The most refined
- Midi data monitor
- Performance of any
- Large, visible L.E.D.
- Harmonic Exciter
- Noise Gate
- Programmable Eq
- Expander
- Peak Limiter



THE SGE

POWERFUL PROCESSOR EVER!

algorithms
types of delay
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stereo delay
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- Compressor
- Envelope Filter
- Turbo Drive
- Overdrive
- Distortion
- Pitch Transposer (two octaves)
- Digital Reverb (24 algorithms)
- Gated Reverbs
- Reverse Reverbs
- Arpeggiated Flange
- Multi-Tap Delay
- Rotating Leslie
- Stereo Delay (21 different types)
- Stereo Echoes (two full seconds)
- Studio Sampling
- Live Sample/Playback on the fly
- Line Equalizer/SPKR Simulator
- Stereo Panner/Imager

PROGRAMMABLE EQUALIZER

The equalizer is programmable with each patch, and you may choose the position of the equalizer in the effects chain. Because of the choice of mix configurations, the SGE also allows you control over exactly how much of the signal is being affected by the equalizer. You may run 100 percent of the signal through the equalizer and a percentage through the other effects, or you may have the equalizer affect only the signal that is modified.

COMPRESSOR AND LIMITER

The compressor and limiter may be used on a studio vocal track to smooth out the peaks and dips and prevent the tape from overload. In live sound, the SGE MACH II may be patched in on a vocal or instrumental sub-group and function as a master dynamics controller — peaks are limited so they don't overdrive the effects buss! With a guitar, the compressor can be used to provide increased gain and sustain so that single notes can be as loud as chords and sustain forever! On a bass guitar the compressor/limiter can increase sustain and control the dynamic difference between plucked or slapped strings. Only the MACH II gives you this much control!



MACH II

THE NOISE GATE AND EXPANDER

The noise gate can be used to electronically turn microphones or other audio sources "on and off." In live sound, the MACH II can be patched on the vocal subgroup and will turn off the microphones when they are not in use. This greatly reduces feedback potential and prevents the sound wash from drums or amps from being picked up by the vocal mic's. In the studio (or live) you can gate drum mic's so that the snare drum doesn't bleed into the kick drum and vice-versa. You can also use the noise gate and expander with your guitar to prevent any noise from coming through your amp when you're not playing. You can run a ton of gain without grabbing for your volume control when the song ends!! And you can program the sensitivity of the gate so that it just eliminates the noise without chopping off notes.

THE ENVELOPE FILTER

This unique effect recreates the sound of vintage wha-wha pedals and is dynamically sensitive to pick attack level change. You can vary the effect by just changing how hard you hit the strings! This effect can also be controlled in real time with a midi foot controller exactly the way you would a wha-wha pedal!

DISTORTION AND OVERDRIVE

The MACH II has 12 different types of distortion and overdrive, and the range is incredible! You may choose between subtle thickening overdrives with the warmth of a vintage mellow tube amp to searing "British stack on 11" distortion with enough harmonic crunch to knock over houses! The SGE has a unique circuit that overloads identically to a matched bank of 12AX7's into 6L6 tubes with just one difference — the SGE won't blow up! This circuit also features a bite control that can take an already hot lead and turn it into a sound that can break glass! Used with the compressor, equalizer, exciter, and all the other stuff, the possibilities are endless!

DIGITAL REVERBS

The heart of the SGE MACH II is the new D.S.P. that creates some of the most lush, spacious and transparent digital reverbs in the world! There are 24 different algorithms, and you may vary the parameters in each. Besides some of the lushest Halls, Rooms, Chambers, Cathedrals and Plates, there are 12 Gated and Reverse reverbs. The Reverses give only the front, rising edge of the reverb and are fantastic for making vocals and instruments sound huge without a long tail that clutters a mix. The Gated reverbs are superb on drums. The SGE MACH II allows the choice of flat, sloped or reverses with strong

tails. No other processor gives you this many choices! The control is amazing — you can actually recreate the *position* within the room that the listener is sitting! And the realism of the A.R.T. reverbs is absolutely breathtaking.

DIGITAL DELAY

The SGE MACH II gives you more than 20 different delay types, in stereo, with delay times of up to two full seconds! Fully programmable, the range of effects is amazing. The MACH II offers 18 different tap delay algorithms for shimmering chorusing and double-tracking effects. Because you can actually choose the number of delay taps and the time over which they occur, you can make it sound like there are two or more voices occurring at once! The MACH II lets you select whether those taps get progressively louder or softer, closer together at the start or finish of the time span, and which of the two channels they occur in! You can create cavernous echoes or warm tape delay effects — all with an audio transparency that is unbelievable.

STUDIO SAMPLING

The SGE MACH II features a multi-function sampler that can be used in the studio or live for sample-on-the-fly layered effects. You can program sample lengths in advance and capture and trigger them via footswitch, the front panel, midi, or automatically. In the studio you can capture a percussive sample (up to two seconds) and have it automatically playback on another track. You can also vary the pitch (up to two octaves) and add reverb. You may truncate the captured sample from both the start and the finish and have it playback in seamless progression while having the pitch varied in real time via Performance Midi! The sampler alone may be worth the cost of the MACH II!

THE PITCH TRANSPOSER

A full function pitch transposer provides over two octaves of pitch shift. The pitch may be varied in real time via midi controller for incredible "dive bomb" effects or can be just slightly detuned for fat, lush chorusing. With vocals, dramatic double-tracking and special effects can be achieved including artificial harmonies! The same can be achieved for guitar. Using delay and regeneration, shimmering spiraling effects can be created. In the studio, commercials can be shortened by speeding up the tape and rerecording it with the pitch shifted back down. For ultra smooth, glitch-free pitch shifting, the MACH II is unequalled.

THE STEREO PANNER

The MACH II features a stereo panner

and imager that can make reverbs and delays sweep dramatically from side to side. The effect can take mono drum tracks and turn them into expansive stereo mixes. Or you can create the effects of spinning in space. The creative possibilities are endless.

STEREO CHORUSING AND FLANGING

The MACH II has some of the finest chorus and flange algorithms available at any price! On vocals, the choruser can create the effect of multiple voices at once. On keyboards it can make any synth sound like it fills up the room, and the same applies to guitar. The flanger can be used for subtle voicing effects or exotic "Death Flange Sweeps." As with all parameters, the chorus and flange may be varied in real time via Performance Midi."

MIDI DATA MONITORING

Another great MACH II feature is its ability to monitor the performance of any midi device connected to it. You can simply set the SGE in monitor mode and the display will give you the readout of what patch change or continuous data is outputted. If you want to check velocity or after touch on a keyboard, make the connection and watch the LCD readout. It's a great way to set up continuous controllers.

PERFORMANCE MIDI™

The MACH II may have the most comprehensive midi interface on the market. Up to eight different parameters may be controlled by up to eight different controllers. And those same eight controllers can control up to eight different functions for each of 200 patches! Unlike other processors, you can actually watch the values change when you are setting up scales for real time control. This feature alone can save hours of programming time. The only limit on the MACH II is your imagination!

These are just some of the many features on the SGE MACH II. You owe it to yourself to check one out. Once you've heard what it sounds like, there is nothing else that even comes close. See your A.R.T. dealer today!



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