

DSP4000B+

program

Voice Tools (19)

1 'Max' Stutter

2 Auto Pitch Correct

3 Big Voice Pro

save

update

del



DSP4000B+ AT-A-GLANCE

EXCLUSIVE BROADCAST AND
POST-PRODUCTION PRESETS
DESIGNED BY JAY ROSE

ALMOST 400 PRESETS

24-BIT DIGITAL CONVERSION

96KHZ SAMPLING

AES/EBU PORT

S/PDIF PORT

ANALOG BALANCED XLR I/O

WORDCLOCK IN AND OUT
ON BNC CONNECTIONS

REMOTE CONTROL USING EVE/NET
NETWORK REMOTE CONTROL

TWO PEDAL PORTS

SERIAL PORT

Eventide created the first application-specific audio effects processor for radio, TV, and post-production, the H3000B, and it quickly became the industry standard. Now, we're taking effects quality, variety, and convenience to the next level. Introducing the Eventide DSP4000B+ Production

set of software programs created especially for radio, TV, and post-production by sound designer Jay Rose. Effects that would be impossible with most processors are instantly available with the DSP4000B+. Just press a button and look who's talking—an airplane captain from the cockpit. Press again—

easy. Is that your conscience talking back to you? Or your fairy godmother? Or your worst nightmare? The DSP4000B+ is more than just a signal processor; it's your audio special effects department, a true creative partner. You also get sound effects and audio backgrounds, built right in. Rain and

instant recall, the DSP4000B+ is a terrific time saver in program and commercial production and post-production. And it's perfect for a fast-paced "Morning Zoo" radio show. Imagine trying to create a whole cast of character voices or "strange places" effects on-the-fly with an ordinary effects

INSTANT

AUDIO

CREATIVITY



Ultra-Harmonizer® brand effects processor.

BROADCAST AND POST-PRODUCTION EFFECTS DESIGNED BY JAY ROSE

The DSP4000B+ is based on Eventide's powerful DSP4000 professional audio effects processor, but it has a unique

now it's the kid at the drive-thru window at a fast-food place. Another press and you'll hear your words coming off a computer voice chip, or the TV in the next room, or a cellular phone. There are dozens of audio environments to choose from.

Fantasy voices are just as

thunder, the seashore, wind, a jet flying by. The DSP4000B+ can put your sound anywhere, from the top of a mile-high mountain to 200 feet underwater.

SO FAST AND EASY TO USE

Because each of these effects and hundreds more are already set-up and ready for

box! With the DSP4000B+, it's more than possible. It's easy—and fun. A six line graphic LCD screen lets you choose the effect you want in seconds—they're conveniently organized into logical groupings such as "Science Fiction Voices," "Commerce," and "Production Gimmicks." Every effect fea-

tures a wide variety of user-adjustable parameters, and the LCD screen leads you quickly through the process, explaining how the various parameters affect the sound. In addition to saving presets you create in the DSP4000B+'s internal memory, you can also store them on a removable PCMCIA

power of the DSP4000B+ because Eventide has also included the effects module software which makes the standard DSP4000B+ today's premier signal processor for recording and live performances. Dense, lush reverbs, rich choruses, flanging, and the best quality pitch change

READY FOR THE DIGITAL STUDIO

The Eventide DSP4000B+ comes standard with high quality analog inputs and outputs, with audio bandwidth extending to 22kHz. And if you're ready for an all-digital studio, the DSP4000B+ is ready too. It provides full 24-bit

there's a whole other side to the unit, which will be of special interest to advanced "effects explorers." Unlike conventional audio processing units which contain a limited number of fixed digital processing algorithms, the factory programs of the DSP4000B+ draw on over 150 internal effects

blocks" which are presented on the large, graphics LCD screen. With the DSP4000B+, there are always new effects avenues to explore, new sounds to create.

This is the unit that says "don't let the video and film guys have all the fun!" There's a whole world of audio special



DSP4000B+

memory card for convenience and added capacity and to protect your unique sounds from use by others.

SUPERB QUALITY REVERBS, PITCH CHANGE AND TIME COMPRESSION

In the production studio, you'll uncover more of the

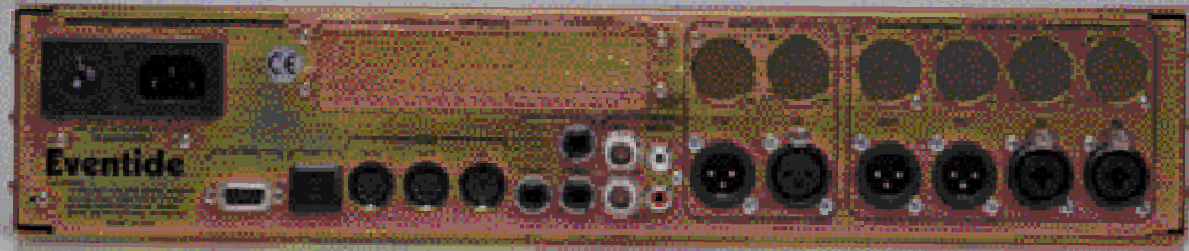
programs on the planet. What's more, the DSP4000B+ offers Timesqueeze® stereo time compression and expansion with higher quality than ever before. It's so easy to use—just punch in the current running time of the audio and how long you want it to be.

AES/EBU and S/PDIF digital inputs and outputs, while retaining the analog inputs and outputs as well. The DSP-4000B+'s remote control interfaces include MIDI In/Out/Thru jacks and PA422 serial port data.

Although we've emphasized the DSP4000B+'s many pre-programmed production effects,

modules to create a wider variety of truly distinct programs than ever before possible. What's more, the unit's object-oriented Algorithm Construction Kit patch editor function lets users (and third-party developers) build totally new effects algorithms by linking modular effects "building

effects waiting to be explored. The Eventide DSP4000B+ Production Ultra-Harmonizer is your first-class ticket to instant audio creativity.



SPECIFICATIONS

Analog Inputs/Outputs:

XLR: pin 2 hot, true differential balanced +4dBm nominal, +20dBm max
 1/4" phone: unbalanced, -10dBm nominal, +6dBm max

Optional Digital Inputs/Outputs:

True 24 bit AES/EBU and S/PDIF, User-Selectable SCMS copy inhibit (Optional—add now or later)

Signal to Noise Ratio:

> 96db. "A" Weighted

Distortion:

.005% (.003% typical) @ 1kHz, 1db below clipping in THRU program. Gain trim levels at + 10dB, all others 0db, XLR inputs and outputs

Total Harmonic Distortion + Noise:

87.5db @ -40dB down

Frequency Response:

5Hz to 22kHz, \pm 1 db

Foot Pedal/Control Voltage Input:

Tip: 0 to 5 volt control voltage input
 Ring: +5 volt 100mA supply
 Shield: ground

Foot Switch Input:

1/4" phone, two inputs, tip and ring, 10K pullup, shield is ground

Relay Output:

Dry closure to ground. Shield is ground.

Capacity:

200mA; 11 volts AC or 40 volts DC

Power:

50 watts, 100-130 volts or 200-240 volts, AC 50/60 Hz

Size:

Inches: 3.5h x 19w x 12.5d
 Centimeters: 8.9h x 48.3w x 32d

DSP4000B+

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