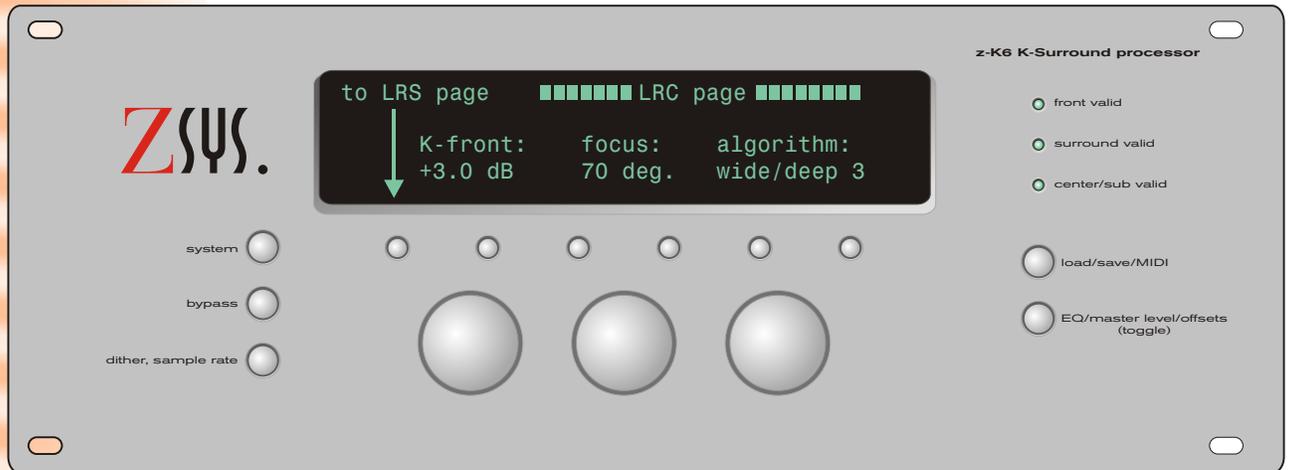




z-K6 K-Surround Processor

from stereo to 5.1 naturally

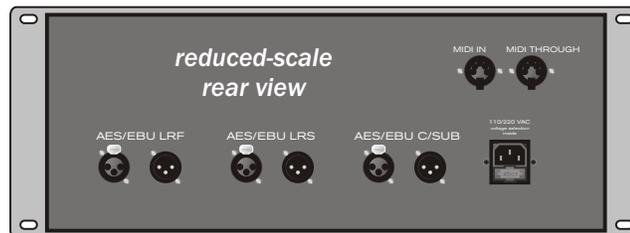


The widespread proliferation of surround sound has brought along with it the need for re-purposing, or "upmixing" legacy stereo titles for multichannel release. In many cases, the original multitrack components may not be available for remixing or it simply might not be feasible for economic reasons. The question then remains: without access to the original multitrack components, what is the best way to derive a meaningful surround upmix from the stereo source? The answer, quite often, is the z-K6 K-Surround Processor.

K-Surround* is a patent-pending process for taking the ambience that's present in a stereo recording and spreading it across the surround channels. In this manner, the listener is completely enveloped in the recording's natural ambience. The z-K6 creates upmixes that sound

like they're occurring in a natural acoustic space, with a sonic character portraying width, depth, and texture. The process sounds incredibly natural, void of synthetic reverberation or other colorations: nothing artificial is added. The z-K6 also gives control over derivation of a center channel from the stereo

material, with a frontal image whose sense of width and depth can also be manipulated. The unit also has a number of features which are useful for surround monitoring, including individual channel level controls, a master level control, channel mutes, and channel solos. The features are incredibly useful in auditioning the derived upmix.



The z-K6 can handle up to 24 bits at 96 kHz, with a 192 kHz upgrade coming in Q3/2002. The unit also features TPDF dither and POW-r** wordlength reduction to generate 24-, 20-, and 16-bit outputs.

FEATURES

- Stereo-to-surround upmixing
- AES/EBU in and out
- Direct and ambience EQ
- MIDI program change
- Channel levels
- Master level
- Mutes and solos
- Store and recall banks of presets via MIDI SysEx commands

APPLICATIONS

- Re-purposing mono and stereo mixes for DVD-A, DVD-V

SPECIFICATIONS

- Up to 96 kHz sampling rates. 192 kHz upgrade coming Q3/2002
- 40-bit floating-point implementation
- TPDF and POW-r* wordlength reduction to 16, 20, and 24 bits

* K-Surround is a trademark of Digital Domain, Inc.

** POW-r stands for Psychoacoustically Optimized Wordlength Reduction and is a trademark of The POW-r Consortium, LLC.

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