z-CL6 Six-Channel Mastering Dynamics Processor
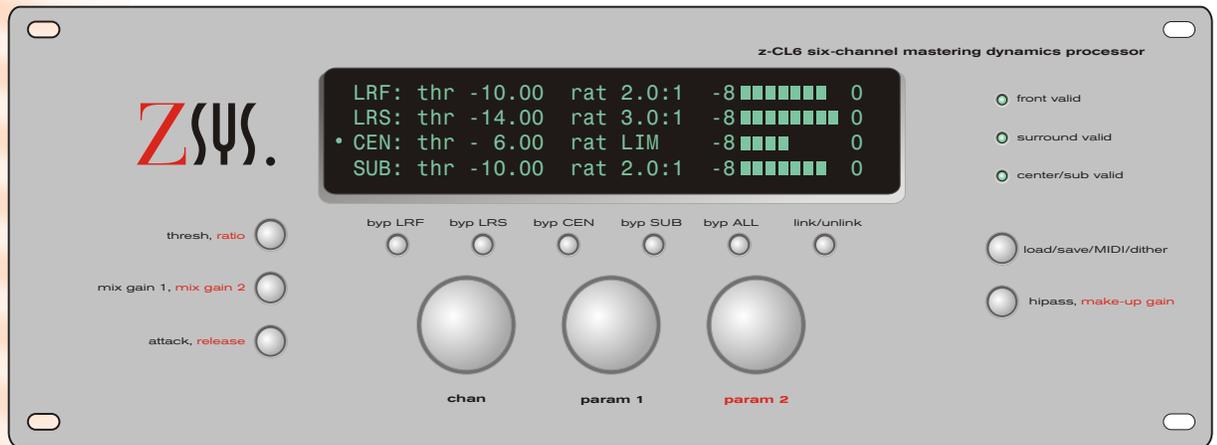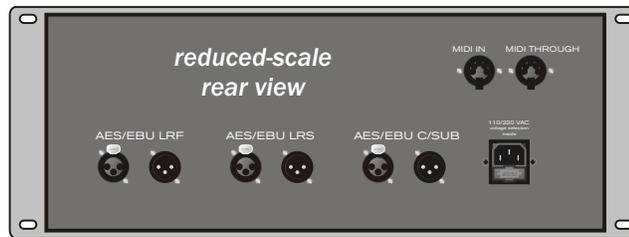
designed from the ground up for surround

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z-CL6 six-channel mastering dynamics processor

LRF: thr -10.00  rat 2.0:1  -8 ▉▉▉▉▉▉    0
LRS: thr -14.00  rat 3.0:1  -8 ▉▉▉▉▉▉▉   0
CEN: thr - 6.00  rat LIM    -8 ▉▉▉       0
SUB: thr -10.00  rat 2.0:1  -8 ▉▉▉▉▉▉    0
```

○ front valid
○ surround valid
○ center/sub valid

thresh, ratio ○
mix gain 1, mix gain 2 ○
attack, release ○

byp LRF byp LRS byp CEN byp SUB byp ALL link/unlink

○ load/save/MIDI/dither
○ hipass, make-up gain

chan   param 1   param 2

The z-CL6 is the first multi-channel dynamics processor which was designed from the ground up for the particular needs of surround mastering engineers. The z-CL6 is implemented entirely in floating-point and currently supports up to 96 kHz at 24 bits, with an upgrade to 192 kHz soon on the way. Each channel features a compressor/limiter with variable threshold, attack time, release time, and make-up gain. We have also included a wide array of options for linking the level detection and the gain reduction across channels. This gives you total flexibility in controlling the surround image.

The z-CL6 also provides several options for wordlength reduction to 16 or 20 bits, including the critically acclaimed POW-r algorithm*. Furthermore, the unit can operate at different sampling rates and wordwidths in different channel groups to allow for the complex needs of DVD-A mastering. The z-CL6 is also endowed with MIDI program change capability and can use MIDI SysEx in order to store and recall banks of presets.

reduced-scale rear view

MIDI IN   MIDI THROUGH

AES/EBU LRF   AES/EBU LRS   AES/EBU C/SUB   115/220 VAC voltage selection

The z-CL6 is far more than three stereo EQs lumped into a single package. It was developed in conjunction with some of the world's top surround-sound mastering engineers, incorporating many of these engineers' suggestions regarding the functions and ergonomics they need in order to do serious multi-channel mastering. You, too will find that the z-CL6 not only sounds wonderful, but that it also works the way *you* need it to.

Contact your Z-Systems dealer and arrange for a demo of the z-CL6 today. You'll see why it's a favorite of top surround mastering engineers throughout the world.

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

FEATURES

· AES/EBU in and out
· Separate compressor/limiter per channel group
· Linkable level detection matrix
· Linkable gain reduction matrix
· MIDI program change
· Channel offsets
· Master level
· Store and recall banks of presets via MIDI SysEx commands

APPLICATIONS

· Mastering for DVD-A, DVD-V

SPECIFICATIONS

· Up to 96 kHz sampling rates. 192 kHz upgrade coming Q2 2002
· 40-bit floating-point implementation
· TPDF and POW-r* wordlength reduction to 16, 20, and 24 bits

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