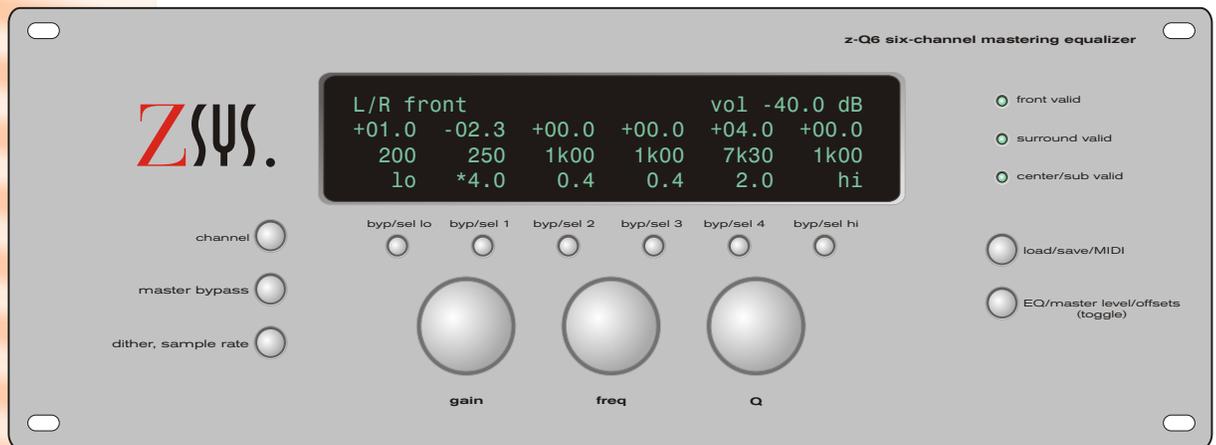




# z-Q6 Six-Channel Mastering EQ

designed from the ground up for surround



The z-Q6 is the first multi-channel digital equalizer which was designed from the ground up for the particular needs of surround mastering engineers. We began with the expertise derived from developing our z-Q2 two-channel digital parametric digital equalizer, retaining the core algorithms that were the source of its phenomenal sound. Then we added the functionality and features needed for surround-sound mastering, such as channel grouping, channel level offsets, and master volume control.

The z-Q6 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 four bell filters and

two shelving filters 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

## FEATURES

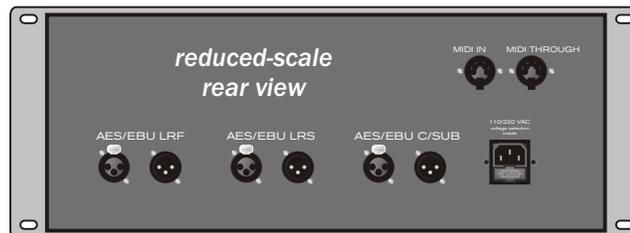
- AES/EBU in and out
- Six bands per channel
- MIDI program change
- Channel offsets
- Master level
- Store and recall banks of presets via MIDI SysEx commands

## APPLICATIONS

- Mastering for DVD-A, DVD-V

## SPECIFICATIONS

- Up to 96 kHz sampling rates. 192 kHz upgrade coming Q2 2002
- Better than 135 dB dynamic range
- Better than -130 dB THD+N
- Wide variability of center frequency, gain, and bandwidth with fully overlappable filter bands
- 40-bit floating-point implementation
- TPDF and POW-r\* wordlength reduction to 16, 20, and 24 bits



mastering. The z-Q6 is also endowed with MIDI program change capability and can use MIDI SysEx in order to store and recall banks of presets.

The z-Q6 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-Q6 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-Q6 today. You'll see why it's a favorite of top surround mastering engineers throughout the world.

## Z-Systems Audio Engineering

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