



The advantages of discrete multichannel systems over matrix are well known. But even in homes equipped for discrete multichannel, there remains a need for high-quality matrix decoding. This is because of the large library of matrix surround motion pictures available on disc and on VHS tape; and analog television broadcasts.

The typical matrix decoder of today derives a center channel and a mono surround channel from two-channel matrix stereo material. It is better than a simple matrix in that it includes steering logic to improve separation, but because of its mono, band-limited surround it can be disappointing to users accustomed to discrete multichannel.

Neo 6 offers several important improvements.

- ✓ Stereo matrix to 6.1 or 5.1. Neo 6 provides up to six full-band channels of matrix decoding from stereo matrix material. Users with 6.1 and 5.1 systems will derive six and five separate channels, respectively, corresponding to the standard home-theater speaker layouts. (The “.1” subwoofer channel is generated by bass management in the preamp or receiver.)
- ✓ Extended Surround. Neo 6 provides optimum decoding of Extended Surround matrix soundtracks, and can also generate a back channel from 5.1 material.
- ✓ Natural sound field with precise localization. Neo 6 technology allows various sound elements within a channel or channels to be steered separately, and in a way which follows naturally from the original presentation.
- ✓ Music mode. Neo 6 offers a music mode to expand stereo non-matrix recordings into the five- or six-channel layout, in a way which does not diminish the subtlety and integrity of the original stereo recording.