

3BX-DS

Dynamic-Range Controller

The 3BX-DS is four dbx processors in one—a dynamic-range expander, dynamic-range compressor, impact recoverer and ambience controller.

The dbx dynamic-range expander makes loud sound louder and the soft sound softer, increasing the overall dynamic range across the frequency spectrum in linear fashion by up to 50 percent. The "OverEasy" dbx dynamic-range compressor decreases gain by 50% (max.) above the threshold set by the transition level, and increases gain by 6dB (max.) below that level. It's useful when dubbing CDs onto tapes or creating background music. Both the expander and compressor divide the audio frequency range into three bands (Low, Mid and High) and handle each separately, to add more detail to music and give it a more natural sound. To permit fine tonal balance between highs and lows, the compression/expansion transition levels can be trimmed independently for high- and low-frequency bands.

Impact recovery gives back the sudden impact lost in the recording and mastering processes by adding up to 10dB to the sound. It adds extra "bite" to transient attacks created by percussion and other pulsive sounds. Using both the impact recoverer and dynamic-range expander adds more realism and excitement to the sound you hear

from FM, records, tapes and even CDs (remember some CDs are re-mastered from analog original master tapes and hence could use dynamic "touching up.")

The ambience controller takes away the "edge" that some people claim is audible in digital sound. It permits the optimum blending of stereo channels, from expanded stereo to near mono.

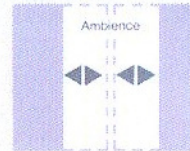


High/low frequency transition level trimmers

1BX-DS

Dynamic-Range Controller

Here's an affordable four-in-one dynamic-range controller, the 1BX-DS. It has every feature the 3BX-DX does: the dynamic-range expander, dynamic-range compressor, impact recoverer and ambience controller. The only difference is that its expander and compressor work on all frequencies rather than dividing them into three bands and operating band by band.



Ambience controller

This feature lets you select the amount of separation—from wide to narrow. Used for CD playback, it removes the sharp "edge" that many audiophiles perceive.

CATALOG/STOCK/CRC 9375336



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