



# KBX Balanced Crossover System





# KBX BALANCED CROSSOVER SYSTEM

## CONTROL WITHOUT COMPROMISE

*High performance loudspeakers need control. For greatest accuracy, the individual elements must be given precise frequency bands to reproduce or they will become non-linear and unpredictable.*

*The speaker's internal passive crossover assigns frequency ranges and equalization to the separate driving elements. This allows each speaker to be driven from one amplifier channel, i.e. one stereo or two mono amplifiers per speaker pair. Most high quality speakers also provide for bypassing the internal crossover, allowing that function to be performed actively, before the amplifiers.*

*The KBX is a fully active crossover distribution network capable of dividing the audible spectrum into discreet frequency channels with surgical precision. With set-up of the KBX correctly matching the needs of the speaker, sonic performance can be improved by several orders of magnitude.*

## THE PRIMARY INGREDIENT: CONTROL VERSATILITY

The KBX combines function and flexibility to provide unlimited capability. In either its two or three-way configurations, the KBX can be customized to the specific frequency, slope, and equalization for any speaker. The KBX Emulation plug-in card holds this specific information and can be changed when necessary with minimum cost.

One KBX operates in stereo mode for bi-amplified systems. Four channels of amplification are required after the KBX: two stereo amplifier, two pairs of mono amps, or one of each. The three front panel controls handle low and high frequency level adjustments, and master level balancing.

Two KBX are used for dual-mono configurations and can be set up for bi or tri-amplified systems. Tri-amplified systems require a total of six channels of amplification. For

three way operation the controls operate low, mid and high frequency adjustments.

## A REFERENCE COMPONENT

The addition of an active crossover, along with the required amplification, is pursuit of the ultimate in audio performance. The KBX has been designed and constructed with full awareness of this reality. In electrical terms, its noise, distortion and other specifications are the equal of our finest preamplifiers. Fully balanced input and output connections are provided for stereo or mono operation. Functionally it has the ability to perform complex crossover and equalization curves, either to the speaker manufacturer's specifications or on a custom basis. Also, typical of Krell's policy of product longevity, KBX functions can be inexpensively updated. Build quality is all Krell: only the finest components and processes are employed from internal hardware to the computer engraved front panel.

Control without compromise – essence of the KBX.

## DIMENSIONS

**KBX** 19" wide • 16" deep • 2.5" high

### Power Supply

8.5" wide • 11.25" deep • 2.5" high

*The plug-in Emulation board can be changed in moments.*



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