Audio ProcAmp SP-4200

The Kramer SP-4200 is a unique audio processor which combines the functions of a preamp, audio-dynamics processor, unbalanced to balanced converter, and noise reducer in a rugged, compact desktop unit. It accepts one unbalanced line level stereo input via RCA connectors, and provides one set of unbalanced stereo outputs on RCA connectors, as well as one set of balanced stereo outputs on XLRs. The separate L/R GAIN controls affect only the balanced stereo outputs. The VOLUME and AUTO LEVEL controls which comprise the LEVEL PROCESS are engaged when the LEVEL PROCESS button is turned on, otherwise, they are bypassed. Depending on front panel settings, the SP-4200 can provide true stereo signal processing including noise reduction by up to 25 dB (without sonic artifacts), downward audio expansion, dynamic adjustment adaptive threshold for all-level operation, effective Dolby B(R) decoding, AGC operation and level transcoding.

The SP-4200 is rugged, dependable, and packaged in ½ rack enclosure so that two can fit side-by-side in a standard 19" rack using Kramer's RK-80 rack adapter.

TECHNICAL SPECIFICATIONS

INPUTS:	1 Audio Stereo 1Vpp / 50kΩ on RCAs.
OUTPUTS:	1 Audio Stereo 1Vpp / 150Ω on RCAs.
	1 Balanced Audio Stereo up to + 24 dBm / 50Ω on male XLR connectors.
THD+NOISE:	0.03%.
DYNAMIC RANGE:	100dB.
NOISE REDUCTION:	Up to 25dB, source dependent.
CHAN. SEPARATION:	>65dB.
CONTROL:	Balanced left + right gain, master volume, auto level threshold rotary controls.
	Mute on/off, NR on/off, auto level on/off, compress/auto level switches.
DIMENSIONS:	22cm x 18cm x 4.5cm (8.7" x 7" x 1.7", W, D, H.).
POWER SOURCE:	230 VAC, 50/60 Hz, (115VAC, U.S.A.) 7.1 VA.
WEIGHT:	1.7 kg. (3.8 lbs.) Approx.
ACCESSORIES:	Power cord.
OPTIONS:	19" Rack adapter RK-80 (see page 6.20 for details).

TYPICAL APPLICATIONS

- Audio and video production studios.
- Commercial and project-studio audio editing use.
- Duplication centers for noise reduction and signal level optimization.