



Audio Format Transcoder / SRC

FC-2000

The Kramer FC-2000 is an adjustment-free multi-standard Serial Digital to analog Audio converter; analog Audio to Serial Digital converter; and a Digital scan rate converter. It accepts any serial digital audio signal - AES/EBU, AES-ID3, S/PDIF and TosLink optical, and provides automatic equalization and relocking prior to conversion. After conversion it outputs stereo balanced analog audio on XLR connectors. It accepts stereo balanced audio on XLR connectors converts it and outputs it to serial digital audio - AES/EBU, AES-ID3, S/PDIF and TosLink optical. Scan rate conversion can be done for digital inputs, converting to rates in the 32kHz to 96kHz range. In addition, it can synchronize the

digital output with one of the SYNC inputs - composite video or AES/EBU. The conversion ratio between analog and digital can be preset separately in both directions (-12dB, -14dB, -20dB and -24dB to 0 dbFS). The system bit - professional or consumer - for the digital output can be set from front panel. The FC-2000 supports AES/EBU, IEC 958, S/PDIF and EIAJ CP340/1201 professional and consumer formats with sampling frequencies up to 96 kHz. The unique universalism of the unit makes it applicable for any audio conversion in professional audio/video studios. Along with the extensive control switches and LED readouts, it is a true all-in-one, easy-to-use professional audio tool.



TECHNICAL SPECIFICATIONS

<b>INPUTS:</b>	Analog balanced - XLR-F 20dB max on 30K AES/EBU 110 - detachable terminal block, transformer coupled. AES-ID3 75 - BNC, transformer coupled. S/PDIF 75 - RCA/Optical - Toslink.
<b>REFERENCE INPUTS:</b>	AES/EBU 110 - detachable terminal block, transformer coupled. Video 75 - BNC.
<b>OUTPUTS:</b>	Analog balanced - XLR-M 20dB max. AES/EBU 110 - detachable terminal block, transformer coupled. AES-ID3 75 - BNC, transformer coupled. S/PDIF 75 - RCA. Optical - Toslink.
<b>DYNAMIC RANGE:</b>	> 80dB in both directions.
<b>BANDWIDTH (-3dB):</b>	20 kHz.
<b>SAMPLE RATES:</b>	32, 44.1, 48, 96 kHz.
<b>S/N RATIO:</b>	85 dB.
<b>CONTROLS:</b>	Input signal selector, reference signal selector, conversion rate.
<b>AUDIO THD + NOISE:</b>	<0.02% unweighted.
<b>POWER SOURCE:</b>	230VAC 50/60 Hz (115VAC USA) 20VA.
<b>DIMENSIONS:</b>	19 inch (W), 7 inch (D), 1U (H) rack mountable.
<b>WEIGHT:</b>	2.5 kg (5.5 lbs) approx.
<b>ACCESSORIES:</b>	Power cord.

TYPICAL APPLICATIONS

- Broadcast and production studios
- Professional audio post-production studios
- Digital / analog audio authoring and production