

# FC-2000

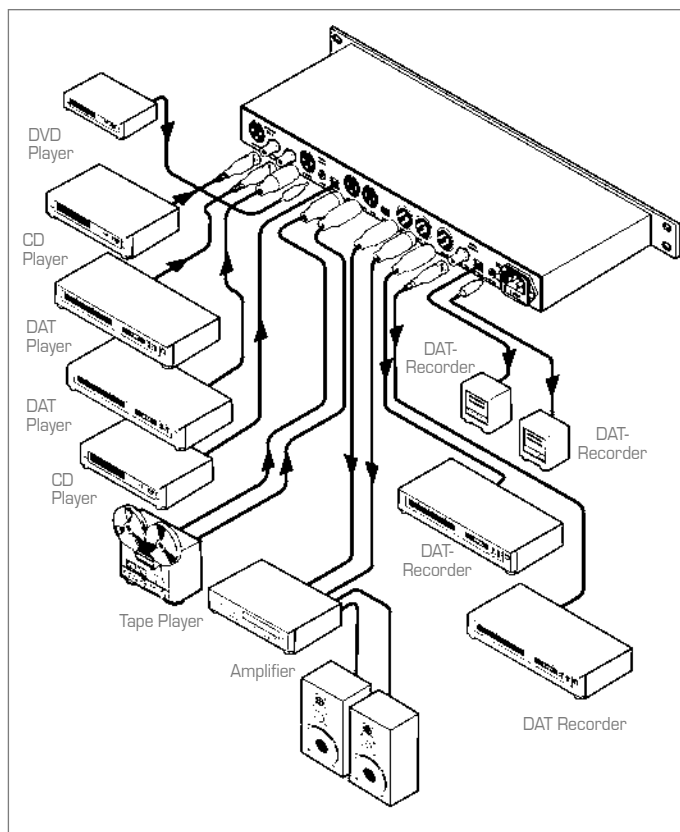
## MultiCoder® Universal Analog & Digital Audio Format Transcoder



The **FC-2000** MultiCoder is a broadcast quality universal transcoder for analog and digital audio signals. It simultaneously converts between any of the most popular digital and analog audio formats and sampling rates.

### FEATURES

- **S/N Ratio** - 85dB.
- **Bi-directional** - Converts any analog or digital audio format and sampling rate to any other analog or digital format and sampling rate.
- **Reclocking & Equalization** - Automatic prior to conversion.
- **Standards** - AES/EBU, AES-ID3, S/PDIF, Toslink Optical, balanced (analog) stereo audio.
- **Sampling Rate Conversion** - 32, 44.1, 48, and 96kHz.
- **Switching Synchronization** - Synchronize either to external video or AES/EBU reference inputs.
- **Conversion Ratio (A/D & D/A)** - 12dBFS, 16dBFS, 18dBFS, 20dBFS, 24dBFS (selectable).
- **System Bit Selection** - Professional or consumer (selectable).
- **Standard 19" Rack Mount Size** - 1U.



### TECHNICAL SPECIFICATIONS

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

