



6420N

Balanced Stereo Audio to Digital Audio Format Converter



The **6420N** is a high-performance format converter for balanced audio signals. The unit converts two channels of balanced audio signals to AES/EBU, AES-3id, S/PDIF and TOSLINK® optical digital outputs simultaneously.

FEATURES

- **Standards** - AES/EBU, AES-3id, S/PDIF, TOSLINK® optical.
- **Sampling** - 32, 44.1, 48, & 96kHz (selectable).
- **Professional or Consumer Bit Rate Selection.**
- **Left & Right Gain Conversion Control** - 0dB, -12dB, -16dB, -20dB or -24dB.
- **Compact DigiTOOLS®** - 3 units can be rack mounted side-by-side in a 1U rack space with the optional RK-3T rack adapter.

TECHNICAL SPECIFICATIONS

INPUTS:	1 balanced stereo audio line in (10k) on detachable terminal blocks.
OUTPUTS:	4 digital audio outputs: AES 75Ω; AES/EBU; S/PDIF; TosLink Optical.
SAMPLE RATE CONVERSION:	32kHz, 44.1kHz, 48kHz, 96kHz.
MAX. INPUT GAIN:	-12dB: 3.1Vrms; -24dB: 11.5Vrms.
CONVERSION GAIN:	-12dB, -16dB, -20dB, -24dB.
THD+N:	Better than -92dB.
IDLE CHANNEL NOISE:	Better than 99dBFS CCIR-RMS.
SIGNAL-TO NOISE RATIO:	Better than 98dBFS CCIR-RMS.
CONTROLS:	4 sample rate selector switches, system bit selector switch, 8 gain switches, ON LED.
COUPLING:	AC.
POWER CONSUMPTION:	12V DC/1.25A, 150mA.
OPERATING TEMPERATURE:	0° to +40°C (32° to 104°F).
STORAGE TEMPERATURE:	-40° to +70°C (-40° to 158°F).
HUMIDITY:	10% to 90%, RHL non-condensing.
INCLUDED ACCESSORIES:	Power supply, mounting bracket.
OPTIONAL:	19" rack adapters.
PRODUCT DIMENSIONS:	12.00cm x 7.15cm x 2.44cm (4.72" x 2.81" x 0.96") W, D, H
PRODUCT WEIGHT:	0.1kg (0.3lbs) approx.
SHIPPING DIMENSIONS:	23.20cm x 12.00cm x 8.90cm (9.13" x 4.72" x 3.50") W, D, H
SHIPPING WEIGHT:	0.5kg (1.1lbs) approx.

