



Technical Specifications



ULTRAMATCH PRO SRC2496

Audiophile 24-Bit/96 kHz A/D-D/A & Sample Rate Converter

EN **ULTRAMATCH PRO SRC2496****Audiophile 24-Bit/96 kHz A/D-D/A & Sample Rate Converter**

- High-end 24-bit/96 kHz A/D and D/A converter for ultimate signal integrity
- Converts any sample rate between 31 and 100 kHz into 32, 44.1, 48, 88.2 or 96 kHz sample rates
- Flexible format conversion between AES/EBU and S/PDIF (coaxial or optical)
- Universal sample rate synchronization via wordclock or digital input
- Allows parallel A/D and D/A conversion at identical sample rate
- Precise metering for input/output signal and headphone monitoring
- Allows direct manipulation of emphasis bits and other significant, digitally transmitted information in order to record virtually any audio signal
- High-precision quartz clock generator removes jitter and corrects off-tune, incorrect sample rates
- Extremely fast tracking supports varispeed applications
- Self-adjusting anti-aliasing filter with exceptionally steep edge
- All 3 outputs (XLR, RCA, Optical) simultaneously operational (splitter)
- Inputs separately selectable (patchbay functionality)
- High-quality components and exceptionally rugged construction ensure long life
- Conceived and designed by BEHRINGER Germany

Specifications**Synchronization**

Internal sampling rates	32, 44.1, 48, 88.2, 96 kHz
Synchronization via digital input and wordclock	accepts all sampling rates between 31 and 100 kHz, automatic synchronization by PLL

Digital Input 1

Type	XLR, transformer-balanced
Input impedance	110 ohms
Nominal input level	0.2 V to 5 V, peak-to-peak

Digital Input 2

Type	RCA, transformer-balanced
Input impedance	75 ohms
Nominal input level	0.2 V to 5 V, peak-to-peak

Digital Input 3

Type	Toslink, optical fiber cable
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Synchronization Input

Type	BNC
Input impedance	50 kohms
Standard	Wordclock (1 x FS)
Nominal input level	2 V to 6 V peak-to-peak

Digital Output 1

Type	XLR, transformer-balanced
Output impedance	110 ohms balanced
Nominal output level	3.5 V peak-to-peak

Digital Output 2

Type	RCA, transformer-balanced
Output impedance	75 ohms
Nominal output level	0.5 V, peak-to-peak

Digital Output 3

Type	Toslink, optical fibre cable
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Analog Inputs

Type	XLR, balanced
Input impedance	20 kohms
Converter	24-bit/96 kHz 128/64 times oversampling delta-sigma AKM A/D converter
Input level	-4 dBu to +22 dBu for 0 dBFS, adjustable
S/N-Ratio	>105 dB

Analog Outputs

Type	XLR, balanced
Output impedance	160 ohms
Converter	24 bit/96 kHz 128 times oversampling delta-sigma AKM D/A converter
Output level	+16 dBu @ 0 dBFS
S/N Ratio	>108 dB

Jitter Suppression

Jitter permitted at input	>40 ns
Internal jitter at input	<2 ns
Internal jitter with external Synchronization	<20 ns, 10 ns typ.

Channel Status Information in Output Signal

Professional mode	Professional, audio use, stereo, no emphasis or 50/15 μ s, Fs = 32, 44.1, 48, 88.2, 96 kHz
Consumer mode	Consumer, audio use, 2-channel, original material switchable, copy permit switchable, no emphasis or 50/15 μ s, Fs = 32, 44.1, 48 kHz; (88.2, 96 kHz not defined)

Power Supply**Mains Voltage**

U.S.A./Canada	120 V~, 60 Hz
Europe/U.K./Australia	230 V~, 50 Hz
Japan	100 V~, 50 - 60 Hz
General export model	120/230 V~, 50 - 60 Hz
Power consumption	15 W
Fuse	100 - 120 V~: T 250 mA H 250 V 200 - 240 V~: T 125 mA H 250 V
Mains connection	Standard IEC receptacle

Dimensions/Weight

Dimensions	approx. 1.75 x 19 x 8.54" approx. 44.5 x 483 x 217 mm
Weight	approx. 5.06 lbs/2.3 kg
Shipping weight	approx. 7.48 lbs/3.4 kg

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