

AUDIO INTERFACES

Redbox - Matching Converters

RB-UL4 Quad Stereo Unbalanced To Balanced Converter

The RB-UL4 is a 1U rack-mount quad stereo unit for interfacing domestic or semi-professional unbalanced equipment to professional balanced line levels.

All connections are on the rear panel. The eight RCA unbalanced inputs have an impedance of 10k and are routed to eight

balanced XLR-3 outputs with an output impedance of <math><50\ \Omega</math>.

The output gain can be individually adjusted for left and right channels by using pre-set potentiometers accessible through the rear panel.

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Audio Specification For RB-UL4

Maximum Input Level:	+28dBu
Maximum Output Level:	+28dBu
Input Impedance:	>10k
Output Impedance:	<math><50\ \Omega</math>
Distortion:	0.01% THD @ 1kHz, ref +8dBu output
Noise:	-100dB, unity gain, ref +8dBu output
Frequency Response:	20Hz to 20kHz ± 0.1 dB (600 load, ref 1kHz)
Gain Range:	Balanced output : -15dBu to +15dBu, ref -15dBu into unbalanced RCA input



Connections

Inputs:	8 x RCA phono (Unbalanced)
Outputs:	8 x XLR 3 pin male (Balanced)
Mains Input:	Filtered IEC, switchable 110-120V, or 220-240V, fused, 6W max
Fuse Rating:	Anti-surge fuse 100mA 20 x 5mm (230VAC) Anti-surge fuse 250mA 20 x 5mm (115VAC)

Equipment Type

RB-UL4:	Quad stereo unbalanced to balanced converter
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Physical Specification

Dimensions (Raw):	48cm (W) x 10.8cm (D) x 4.2cm (H) (1U) 19" (W) x 4.3" (D) x 1.7" (H) (1U)
Dimensions (Boxed):	53cm (W) x 20.5cm (D) x 6cm (H) 21" (W) x 8" (D) x 2.4" (H)
Weight:	Nett: 1.3kg Gross: 1.9kg Nett: 2.9lbs Gross: 4.2lbs

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