

SONIFEX

Redbox RB-UL4

Quad Stereo Unbalanced to Balanced Converter

Redbox RB-LU4

Quad Stereo Balanced to Unbalanced Converter

2014-15

Catalogue





RB-UL4 Quad Stereo Unbalanced To Balanced Converter



Category: Matching Converters.

Product Function: Converting unbalanced audio signals to balanced audio signals for four stereo channels.

Typical Applications: Interfacing domestic unbalanced audio devices e.g. a CD player or ipod to balanced audio equipment.

Features: Pre-set left and right gain controls, Neutrik XLR output connectors.

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 10kΩ 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.

Specification For RB-UL4

Audio Specification For RB-UL4	
Maximum Input Level:	+28dBu
Maximum Output Level:	+28dBu
Input Impedance:	>10kΩ
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 (600Ω 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):	58.5cm (W) x 22.5cm (D) x 7cm (H) 23" (W) x 8.9" (D) x 2.8" (H)
Weight:	Nett: 1.3kg Gross: 1.9kg Nett: 2.9lbs Gross: 4.2lbs





RB-LU4 Quad Stereo Balanced To Unbalanced Converter

The RB-LU4 is a 1U rack-mount quad stereo unit for interfacing professional balanced line levels to domestic or semi-pro unbalanced equipment, e.g. for connecting a pro satellite receiver to a consumer hi-fi system.

All connections are on the rear panel. The eight balanced XLR-3 inputs have an impedance of 20kΩ and are routed to eight unbalanced RCA 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.

A LED power indicator on the front panel displays the power supply connection.

Specification For RB-LU4

Audio Specification

Maximum Input Level:	+28dBu
Input Impedance (XLR):	>20kΩ balanced bridging
Output Impedance (RCA):	<math><50\Omega</math>
Maximum Output Level:	+22dBu
Distortion:	0.01% THD @ 1kHz, ref +8dBu output
Noise:	-100dB, unity gain, ref +8dBu output
Common Mode Rejection:	>66dB typically
Frequency Response:	20Hz to 20kHz ± 0.1 dB (600Ω load, ref 1kHz)
Gain Range:	Unbalanced Output : -28dBu to 0dBu, ref 0dBu into balanced XLR input

Connections

Inputs:	8 x XLR 3 pin female (Balanced)
Outputs:	8 x RCA phono (Unbalanced)
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-LU4:	Quad stereo balanced to unbalanced converter
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Physical Specification

Dimensions (Raw):	48cm (W) x 10.8cm (D) x 4.2cm (H) (1U)
Dimensions (Boxed):	58.5cm (W) x 22.5cm (D) x 7cm (H)
Weight:	Nett: 1.3kg Gross: 1.9kg Nett: 2.9lbs Gross: 4.2lbs

Category: Matching Converters.
Product Function: Converting balanced audio signals to unbalanced audio signals for four stereo channels.
Typical Applications: Interfacing a professional satellite receiver to an unbalanced hi-fi system.
Features: Pre-set left and right output gain controls, Neutrik XLR input connectors.



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