

SONIFEX

RB-UL1

Single Stereo Unbalanced to Balanced Converter

RB-UL2

Dual Stereo Unbalanced to Balanced Converter

Catalogue ²⁰¹⁶





RB-UL1 Single Stereo Unbalanced To Balanced Converter



Category: Matching Converters.

Product Function: Converting unbalanced audio signals to balanced audio signals.

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-UL1 is a single stereo unit for interfacing domestic or semi-professional unbalanced equipment, such as a CD player, to professional balanced line levels.

The two RCA unbalanced inputs have an impedance of 10kΩ and are routed to two 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-UL1

Audio Specification

Maximum Input Level:	+28dBu
Input Impedance:	>10kΩ
Maximum Output Level:	+28dBu
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:	2 x RCA phono (Unbalanced)
Outputs:	2 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-UL1: Single stereo unbalanced to balanced converter

Physical Specification

Dimensions (Raw):	28cm (W) x 10.8cm (D) x 4.2cm (H) (1U) 11" (W) x 4.3" (D) x 1.7" (H) (1U)
Dimensions (Boxed):	36cm (W) x 20.5cm (D) x 6cm (H) 14.2" (W) x 8" (D) x 2.4" (H)
Weight:	Nett: 1.00kg Gross: 1.45kg Nett: 2.2lbs Gross: 3.2lbs



RB-UL2 Dual Stereo Unbalanced To Balanced Converter



Category: Matching Converters.

Product Function: Converting unbalanced audio signals to balanced audio signals for two 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-UL2 is a dual stereo unit for interfacing domestic or semi-professional unbalanced equipment to professional balanced line levels.

All connections are on the rear panel. Four RCA unbalanced inputs have an impedance of 10k Ω and are routed to four balanced XLR-3 outputs with an output impedance of <50 Ω .

The output gain can be individually adjusted for left and right channels by using pre-set potentiometers accessible through the rear panel, allowing you to feed both balanced and unbalanced equipment.

Specification For RB-UL2

Audio Specification

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

Connections

Inputs:	4 x RCA phono (Unbalanced)
Outputs:	4 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-UL2:	Dual stereo unbalanced to balanced converter
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Physical Specification

Dimensions (Raw):	28cm (W) x 10.8cm (D) x 4.2cm (H) (1U) 11" (W) x 4.3" (D) x 1.7" (H) (1U)
Dimensions (Boxed):	36cm (W) x 20.5cm (D) x 6cm (H) 14.2" (W) x 8" (D) x 2.4" (H)
Weight:	Nett: 1.05kg Gross: 1.5kg Nett: 2.3lbs Gross: 3.3lbs

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