

# SONIFEX

Redbox RB-UL1

Single Stereo Unbalanced to Balanced Converter

Redbox RB-UL2

Dual Stereo Unbalanced to Balanced Converter

2014-15

# Catalogue





## 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 $\pm 0.1$ 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
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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: 1.00kg 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 10kΩ and are routed to four balanced XLR-3 outputs with an output impedance of <50Ω.

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:	>10kΩ
Output Impedance:	<50Ω
Maximum Output Level:	+28dBu
Distortion:	0.01% THD @ 1kHz, ref +8dBu output
Noise:	-100dB, unity gain, ref +8dBu output
Frequency Response:	20Hz to 20kHz ±0.1dB (600Ω 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

# **SONIFEX**

[www.sonifex.co.uk](http://www.sonifex.co.uk)

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