SONIFEX

Redbox RB-SM1
Single Stereo to Mono Converter
Redbox RB-SM2

Dual Stereo to Mono Converter

Catalogue



RB-SM1 Single Stereo To Mono Converter

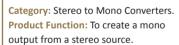












Typical Applications: To supply cue in broadcast environments, to make a mono feed for AM transmission, or to feed a mono PA system.

Features:

- · Neutrik XLR connectors.
- · Balanced audio but can be wired unbalanced.
- · Output gain adjustment.

The RB-SM1 converts a stereo input to a fully buffered and balanced mono line output, e.g. to supply cue in broadcast environments or to feed a mono PA system.

The connections, which are on the rear panel, are of an XLR-3 type. The input is electronically balanced with an impedance of $20k\Omega$ bridging. This can be wired unbalanced to accept an output from domestic equipment.

The output is electronically balanced with an output impedance of $<50\Omega$. The output can be wired unbalanced by grounding the non-phase signal, allowing you to feed both balanced and unbalanced equipment.

Output gain adjustment using a pre-set potentiometer for the converter allows a normalised mono output from domestic stereo equipment. This potentiometer is accessible through the rear panel.

Specification For RB-SM1

Audio Specification		
Maximum Input Level:	+28dBu	
Maximum Output Level:	+28dBu	
Input Impedance:	$>$ 20k Ω balanced bridging	
Output Impedance:	<50Ω balanced	
Frequency Response:	20Hz to 20kHz \pm 0.1dB (600 Ω load, ref 1kHz)	
Gain Range:	Adjust -8dB to +18dB gain, ref. 0dB input on L and R	
Common Mode Rejection:	>66dB typically	

Distortion:	0.01% THD @ 1kHz, ref +8dBu output
Noise:	-100dB, unity gain, ref +8dBu output
Connections	
Inputs:	2 x XLR 3 pin female (Balanced, can be unbalanced)
Output:	1 x XLR 3 pin male (Balanced, can be 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-SM1:	Single stereo to mono converter
Physical Specific	ation
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

Gain Range



RB-SM2 Dual Stereo To Mono Converter



Category: Stereo to Mono Converters. Product Function: To create two mono outputs from two stereo sources. Typical Applications: To supply cue in broadcast environments, to make a mono feed for AM transmission, or to feed a mono PA system.

Features:

- · Neutrik XLR connectors.
- · Balanced audio but can be wired unbalanced.
- · Output gain adjustment.

The RB-SM2 is a dual version of the RB-SM1, consisting of two independent converters which will produce two fully buffered and balanced mono line outputs from two stereo inputs.

All connections are on the rear panel. The XLR-3 inputs are electronically balanced with an impedance of $20k\Omega$ bridging. These can be wired unbalanced to accept an output from domestic equipment.

The XLR-3 line outputs are electronically balanced with an output impedance of <50 Ω . The outputs can be wired unbalanced by grounding the non-phase signal, allowing vou to feed both balanced and unbalanced equipment.

Output gain adjustment using pre-set potentiometers for both converters allows a normalised mono output from domestic stereo equipment. The potentiometers are accessible through the rear panel.

Specification For RB-SM2

Audio Specification		
Maximum Input Level:	+28dBu	
Maximum Output Level:	+28dBu	
Input Impedance:	>20kΩ balanced bridging	
Output Impedance:	<50Ω balanced	
Frequency Response:	20Hz to 20kHz \pm 0.1dB (600 Ω load, ref 1kHz)	

Gain Kange:	input on L and R
Common Mode Rejection:	>66dB typically
Distortion:	0.01% THD @ 1kHz, ref +8dBu output
Noise:	-100dB, unity gain, ref +8dBu output
Connections	
Inputs:	4 x XLR 3 pin female (Balanced, can be unbalanced)
Outputs:	2 x XLR 3 pin male (Balanced, can be 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-SM2:	Dual stereo to mono converter
Physical Specifica	ation
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: 1.50kg Nett: 2.3lbs Gross: 3.3lbs

Adjust -8dB to +18dB gain ref OdB





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