

AUDIO INTERFACES

Redbox - Stereo To Mono Converters

RB-SM2 Dual Stereo To Mono Converter

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 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 <math><50\ \Omega</math>. The outputs can be wired unbalanced by grounding the non-phase signal, allowing you 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.



Audio Specification For RB-SM2

Maximum Input Level:	+28dBu
Maximum Output Level:	+28dBu
Input Impedance:	>20k balanced bridging
Output Impedance:	<50 balanced
Frequency Response:	20Hz to 20kHz ± 0.1 dB (600 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:	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 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: 1.50kg Nett: 2.3lbs Gross: 3.3lbs

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