

Redbox - Stereo To Mono Converters

RB-SM1 Single Stereo To Mono Converter

// The RB-SM1 converts a stereo input to a fully buffered and balanced mono line output. **//**

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 bridging. This can be wired unbalanced to accept an output from domestic equipment.



The output is electronically balanced with an output impedance of <50Ω. 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.

Audio Specification For RB-SM1

Maximum Input Level:	+28dBu
Maximum Output Level:	+28dBu
Input Impedance:	>20k balanced bridging
Output Impedance:	<50 balanced
Frequency Response:	20Hz to 20kHz ±0.1dB (600Ω 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 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



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