

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 20kΩ 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

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|-----------------------|--|
| Maximum Input Level: | +28dBu |
| Maximum Output Level: | +28dBu |
| Input Impedance: | >20kΩ balanced bridging |
| Output Impedance: | <math><50\Omega</math> balanced |
| Frequency Response: | 20Hz to 20kHz ± 0.1 dB (600Ω load, ref 1kHz) |
| Gain Range: | Adjust -8dB to +18dB gain, ref. 0dB input on L and R |

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|------------------------|--------------------------------------|
| Common Mode Rejection: | >66dB typically |
| Distortion: | 0.01% THD @ 1kHz, ref +8dBu output |
| Noise: | -100dB, unity gain, ref +8dBu output |

Connections

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|--------------|---|
| 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 |

Equipment Type

RB-SM2: Dual stereo to mono converter

Physical Specification

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|---------------------|-----------------------------------|
| Weight: | Nett: 1.05kg Gross: 1.50kg |
| Dimensions (Raw): | 28cm (W) x 10.8cm (D) x 4.2cm (H) |
| Dimensions (Boxed): | 36cm (W) x 20.5cm (D) x 6cm (H) |

