

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

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

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

Equipment Type

RB-SM2: Dual stereo to mono converter

Physical Specification

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

