



Redbox - Matching Converters

RB-PA2 Dual Stereo RIAA Phono Amplifier



**//** A dual stereo unit to interface up to two turntables. Quality high specification components have been used together with low noise, fast acting operational amplifiers to produce a superbly transparent signal path. **//**



The RB-PA2 is a dual stereo RIAA equalised phono amplifier. This record player preamp amplifies the small signal from your pick up cartridge (either moving magnet or high output moving coil magnetic) and provides the necessary RIAA equalisation required for vinyl records, to match it to a line input of your mixer, or amplifier. It uses a clean RIAA response making it ideal for use with broadcast turntables and DJ decks and where vinyl records are being archived to CD for high quality transfers, or for converting albums to mp3.

It operates with phono cartridges with a nominal output of 1mV to 25mV and has been specifically tested to work with the Technics SL-1200™ and 1210™ range of turntables. Quality high specification components have been used together with low noise, fast acting operational amplifiers to produce a superbly transparent signal path. Additionally, the RB-PA2 runs without a rumble filter to produce a powerful bass response.

The RB-PA2 is a dual stereo unit to interface up to two turntables. The inputs are phono connectors with Neutrik XLR connectors for the balanced outputs, which may be wired unbalanced if required. Output gain is individually adjustable for left and right channels in the range 35dB to 65dB by using pre-set potentiometers. Frequency response is held within 0.5dB of the RIAA curve and noise is typically better than -84dB RMS A weighted at 40dB gain.

**Audio Specification For RB-PA2**

Input Impedance:	>47k
Input Sensitivity Range:	1mV to 31mV (ref 1kHz)
Maximum Output Level:	+28dBu
Output Impedance:	<50
Output Gain Range:	Adjustable 28dB to 60dB gain via 4 multi-turn pots
Crosstalk:	Better than -80dBu at 1kHz
Frequency Response:	10Hz-15kHz (-3dB)
RIAA Accuracy:	Within 0.5dB of RIAA curve
Distortion:	0.01% THD @ 1kHz, ref +8dBu output
Noise:	-77dB (CCIR Q-Pk, 20Hz-20kHz)
Headroom:	27dB for 3mV input
Dynamic Range:	90dB

**Connections**

Analogue Inputs:	4 x RCA Phono sockets.
Analogue Outputs:	4 x XLR 3 pin male (balanced) (L & R)
Earth Tag:	Grounding turret tag
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-PA2: Dual stereo RIAA phono amplifier

**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: 1.1kg Gross: 1.5kg Nett: 2.4lbs Gross: 3.3lbs



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