

## MAT 1



### Stereo Matching Unit

A compact stereo matching unit for domestic or semi-pro record and replay equipment, the MAT 1 allows the benefits of inexpensive source equipment to be applied to the professional installation with no compromise in sound quality. As well as substantial cost savings, such machines also offer far wider choice and availability compared to their professional brethren and, if well chosen, can prove extremely reliable.



**MAT1** translates between the low level, unbalanced signals used by consumer devices and the higher amplitude, more noise-immune balanced format found in the professional environment. From that point onwards, interference from densely packed equipment will be rejected.

**MAT1** provides matching in both the record (balanced to unbalanced conversion) and replay (unbalanced to balanced) directions for one piece of domestic recording equipment, such as a tape or Minidisk recorder. The gain of both sections may be individually varied over a wide range that includes 0dB for higher level sources requiring balancing but no amplification.

**MAT1** is packaged in a robust metal case which can be easily mounted on rack shelves, beneath woodwork or inside rack cabinets by means of screws, ties or double-sided tape. An optional 1U rack-mount kit, **RCK**, is also available. They are supplied with a mains lead, comprehensive instructions and a five year warranty.

## SPECIFICATIONS

### Unbalanced to Balanced Section

Inputs	Unbalanced on RCA phono jack
Input impedance	22k $\Omega$
Maximum input level	+24dBu
Nominal gain range	0 to +25dB
RMS Noise (14dB)	-94dB ref +8dBu output
THD (1kHz)	0.005% at +8dBu output
AF response	$\pm 0.1$ dB (50Hz-20kHz)
Outputs	Electronically balanced on
Max output level	+26dBu with 10k $\Omega$ load

### Balanced to unbalanced Section

Inputs	Unbalanced on RCA phono jack
Input impedance	22k $\Omega$
Maximum input level	+24dBu
Nominal gain range	0 to +25dB
RMS Noise (14dB)	-94dB ref +8dBu output
THD (1kHz)	0.005% at +8dBu output
AF response	$\pm 0.1$ dB (50Hz-20kHz)
Outputs	Electronically balanced on XLR
Maximum output level	+26dBu with 10k $\Omega$ load

### Physical specifications

Power supply	115V AC $\pm 10\%$
Power consumption	< 7VA
Dimensions	11.6" x 4.5" x 1.7"(excluding switches & connectors)
Mounting holes	0.20" holes 10.9" x 2.9" rectangle
Shipping Weight	2.2lbs
Warranty	5 Years

