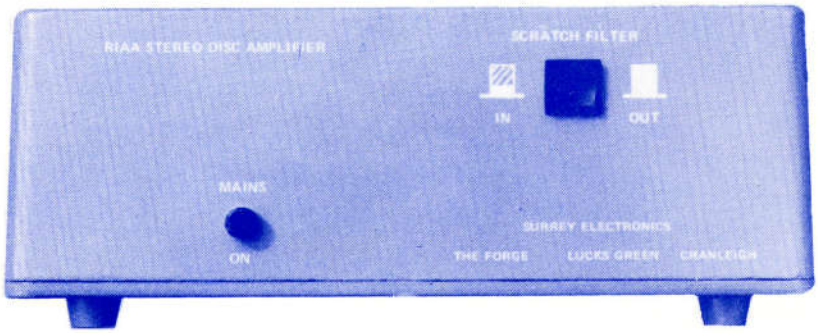
STEREO DISC AMPLIFIER



FRONT PANEL

REAR PANEL

FOR BROADCASTING AND DISC MONITORING WHEN REPLAY SIGNALS OF THE HIGHEST QUALITY ARE REQUIRED AT LINE LEVEL.

This unit meets all specifications relevant to disc amplifying equipment in the I.B.A. Code of Practice for Independent Local Radio.

Signals are taken directly from a magnetic record pick up cartridge and amplified with correction of the frequency response according to the standard microgroove characteristic. The signals then pass through low frequency filters to remove rumble components and high frequency scratch filters which are switched on the front panel. The final stages are low distortion line amplifiers which, coupled with large output transformers allow excellent distortion performance at all frequencies. Precautions are taken in the first stages to minimise radio frequency interference.

The unit has a front panel mains indicator light and power supplies using integrated circuit positive and negative voltage regulators. Internal adjustment of sensitivity is provided to allow accurate setting of output levels for the type of cartridge in use.

The pick up inputs are solidly made lock - DIN type connectors and all components on the rear panel are clearly identified. The case is of strong diecast aluminium construction with an attractive, durable blue epoxy finish.

SPECIFICATION

Inputs	Separate lockable DIN 3pole – PINS 1 & 2 Common
Input impedance	47K ohms
Outputs	XLR 3 pole — PIN 1 Common; PIN 2 Signal Blue; PIN 3 Signal Red } Observe Phasing
Output impedance	50 or 600 ohms balanced
Sensitivity @ 1KHz	Internal presets, 2·8 – 13 mV for 0dB (V·7) output when loaded with 600 ohms
Frequency response accuracy and stability	Within 1·5 dB of BS1928/1965 : RIAA, using 2% components
L.F. filter	24 Hz, 18 dB/octave
H.F.filter	10 KHz, 18 dB/octave front panel push switch
Charge in response below 9 KHz	Within 0·5 dB
Distortion	600 ohm output impedance feeding 600 ohm load. Sensitivity set at maximum

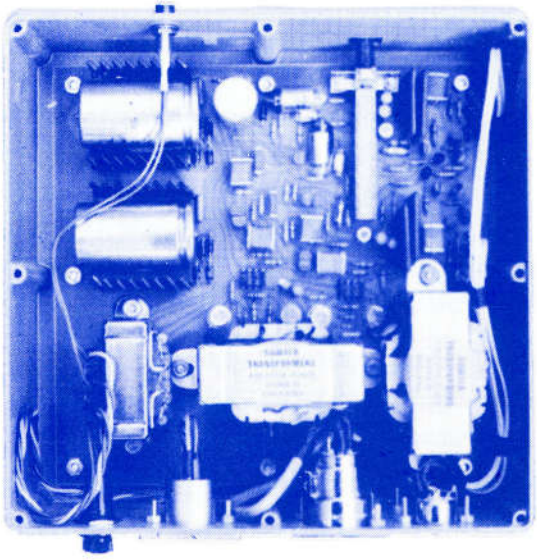
30 Hz	@	+ 10 dB (V.7)	0·3 %
100 Hz	@	+ 17 dB (V.7)	0·3 %
1KHz	@	+ 17 dB (V.7)	0·3 %
10 KHz	@	+ 17 dB (V.7)	0·3 %
20 KHz	@	+ 17 dB (V.7)	0·4 %

With 50 ohm output impedance feeding 600 ohm load the above figures apply at levels 6 dB higher.

Noise	Sensitivity set for 6 mV input at 1 KHz to give 0 dB (V.7) output.
	20 Hz – 20 KHz, mean reading meter – 58 dB (V.7)
	20 Hz – 20 KHz, peak program meter – 54 dB (V.7)
Crosstalk	1KHz – 65 dB; 40 Hz – 20 KHz – 58 dB; 30 Hz – 53 dB
Mains input	XM connector. 110 or 200 – 250 V 50 – 60 Hz 5VA
Mains fuse	Rear panel mounted. 20mm, 250mA
Dimensions & Weight	190 x 190 x 70 mm; 2 · 3 Kg.

3 metres mains lead with XM connector and two lock-DIN input plugs supplied.

INSIDE VIEW



SURREY ELECTRONICS

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