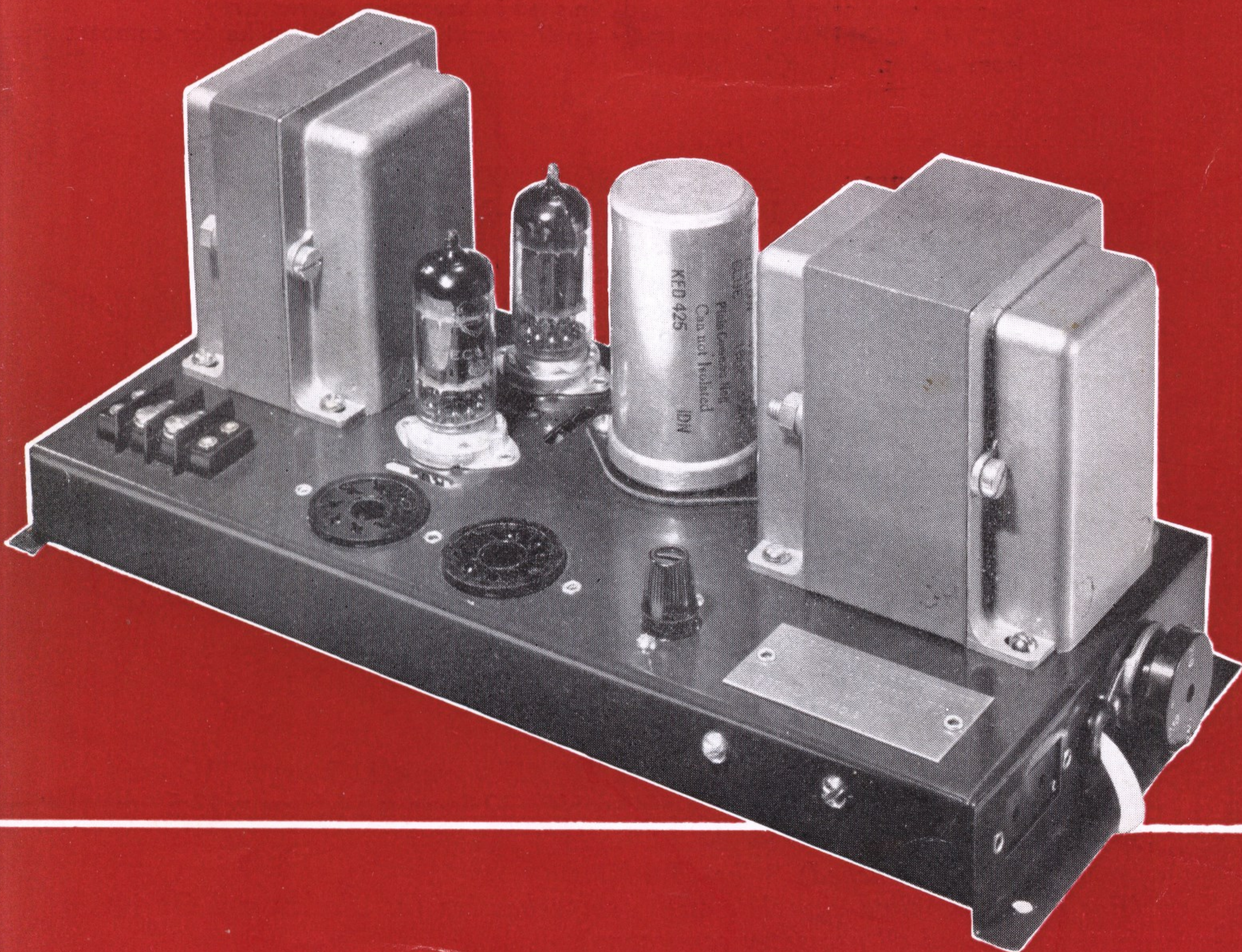


The

RD CADET

*** AMPLIFIER
and
CONTROL UNIT**



Designed for Home High Fidelity Systems

WITH the introduction of the RD CADET amplifier the possession of a high fidelity system, ideally suited to the smaller home, is made possible in a new low price bracket.

A glance at the specification will be sufficient to show that the amplifier comes within the true high fidelity category, whilst a demonstration will give most convincing proof. The workmanship conforms to the same high standard set by all 'RD' equipment and the materials are also of the highest quality, as evidenced by the substantial mains and output transformers, the latter component incorporating grain orientated laminations.

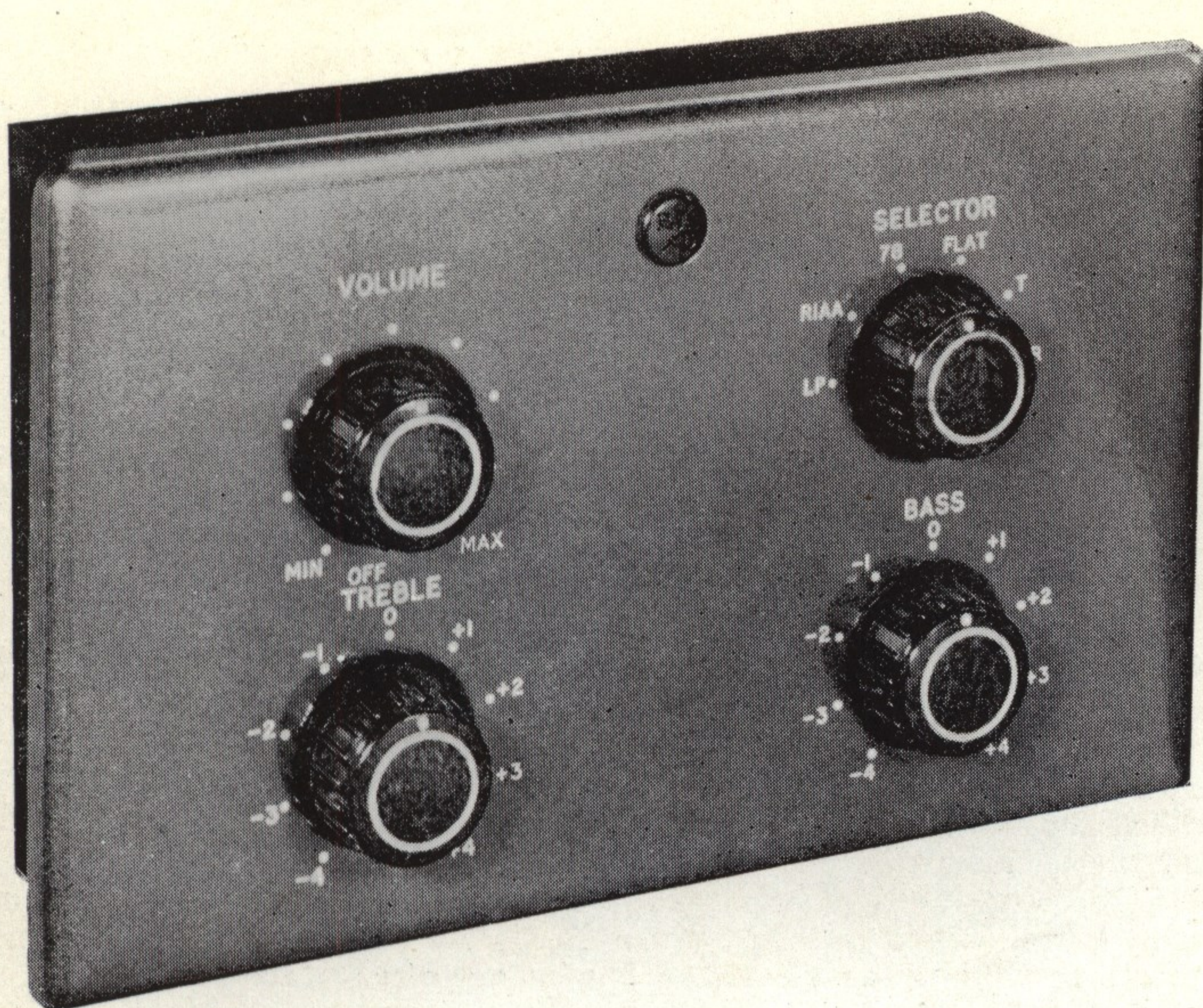
Compact size and moderate price make the RD CADET ideal for stereo replay, a pair of amplifiers and control units providing an output of 10-12 watts for a very moderate outlay.

MAIN FEATURES

- **6 WATTS PEAK OUTPUT**, nominal rating 5 watts, figures entirely adequate for the smaller home high fidelity system.
- **PUSH-PULL OUTPUT STAGE** employs a pair of the new Mullard ECL83 valves, in the now well established 'UL' circuit.
- **GRAIN ORIENTATED LAMINATIONS** in the Output Transformer are a refinement unusual in an amplifier of this price category.
- **EXCEPTIONAL POWER/FREQUENCY RESPONSE CURVE**—the full output rating is maintained over the range 50-20,000 cps., a remarkable feature in a low priced amplifier and a factor of performance often overlooked.
- **CONTACT COOLED RECTIFIER** combines economy with maximum reliability.
- **SPARE POWER** sufficient for all but the larger FM Feeder Units and similar associated equipment. Avoids the additional cost of separate Power Packs.
- **PRE-SET HUMDINGER**—a worthwhile refinement ensuring minimum hum.
- **CONSTRUCTION** features rigid steel chassis, stove enamelled in Dark Maroon, with transformer shrouds finished in hammered Silver Grey.
- **ULTRA COMPACT**, extremely small overall dimensions make for compact installations.

TECHNICAL

Frequency Response :	$\pm .25\text{DB}$. 30-20,000 cps.
NFB :	14 DB \pm 1 DB 30-20,000 cps.
Input Sensitivity :	600 m/v. R.M.S. for 5 watts output.
Intermodulation	
Distortion :	3.5% at 4 watts (100 cps. & 6,000 cps. mixed 4 to 1).
Hum and Noise :	-72 DB below 5 watts.
Output Impedance :	15 ohms or 3.75 ohms.
Damping Factor :	10.
Spare Power :	230v. 35 m/A. 6.3v. 2A.
Power Consumption :	40 watts.
Operating Voltage :	200-230-250v. 50 cps. or 110-115-125v. 50/60 cps. (dual voltage models not available).
Valves : 2 x ECL83	Triode/Pentodes. Triodes : Split load phase-splitter/voltage amplifier. Pentodes : 'UL' push-pull.
Contact Cooled Rectifier :	STC : C3B.
Two Fuses :	Mains primary and H.T.
A.C. Outlet Socket :	2-pin flush fitting.
Overall Dimensions :	11" x 4 $\frac{1}{2}$ " x 4 $\frac{1}{4}$ " (27.9 cm x 11.9 cm x 11.3 cm). (Carton Packed) 12 $\frac{3}{4}$ " x 5 $\frac{3}{4}$ " x 5 $\frac{1}{4}$ " (32.3 cm x 14.5 cm x 13.3 cm).
Weight :	6 $\frac{1}{2}$ lbs. (2.9 kilos). (Carton Packed) 8 lbs. (3.6 kilos).
(Each Unit supplied complete with comprehensive Installation and Operation Instructions and all necessary connectors).	



ESSENTIALLY a simplified version of the RD JUNIOR Mk. II Control Unit the RD CADET Control Unit will accept inputs from Tape, Radio and Records and is also fitted with a Tape Record Socket. Controls include comprehensive record equalisation and wide range Bass and Treble controls.

The RD JUNIOR Mk. II Control Unit is directly interchangeable with the RD CADET Control Unit and may, therefore, be used with the RD CADET Amplifier to provide the advantages afforded by increased sensitivity and a low pass filter control, together with other detail refinements.

MAIN FEATURES

- **TWO PICK-UP IMPEDANCES**, covering the majority of crystal and ceramic cartridges, also those magnetic types with comparatively high output.
- **PRE-SET PICK-UP CONTROL**, facilitates matching.
- **THREE ACCURATE RECORD CHARACTERISTICS**, together with 'flat' position, compensate satisfactorily for the majority of records liable to be encountered and also provides for pick-ups having built-in compensation.
- **TAPE RECORD AND REPLAY SOCKETS**, permit use with a complete Tape Recorder.
- **WIDE RANGE TONE CONTROLS**, continuously variable Bass and Treble controls using Baxandall circuit.

MAIN FEATURES (Continued)

- **FLOATING SUB-PANEL**, reduces any tendency to microphony.
- **BACK COVER** easily removed for changing valves etc. Particularly free access to all components—servicing time reduced to a minimum.
- **SIMPLIFIED INSTALLATION**, simple rectangular cut-out only required in cabinet.
- **EXCLUSIVE STYLING** features an attractively designed panel, available in a choice of four colours—still exclusive to 'RD' equipment. The edges are radiused and the control knobs, a new design moulded to our order, are partially recessed. Control functions are clearly marked and an unobtrusive indicator light is incorporated.

TECHNICAL

Input Selector :-

Function	Characteristic	Sensitivity	Impedance
<i>Tape (Playback)</i>	<i>Flat</i>	<i>100 M/V.</i>	<i>390K.</i>
<i>Radio</i>	<i>Flat</i>	<i>100 M/V.</i>	<i>390K.</i>
<i>Pick-up 1.)</i>	<i>Compensated</i>	<i>60 M/V.</i>	<i>100K.</i>
<i>„ 2.)</i>		<i>300 M/V.</i>	<i>500K.</i>
<i>„ 1.)</i>	<i>Flat</i>	<i>15 M/V.</i>	<i>100K.</i>
<i>„ 2.)</i>		<i>75 M/V.</i>	<i>500K.</i>
<i>Tape (Record) :</i>	<i>Output 200 M/V. (Not to be shunted by less than 250K ohms).</i>		
<i>Frequency Response :</i>	<i>(Controls level) ± 1 DB. 40-15,000 cps.</i>		
<i>Bass Control :</i>	<i>-16 DB</i>	<i>} at 50 cps.</i>	
	<i>+14 DB</i>		
<i>Treble Control :</i>	<i>-18 DB</i>	<i>} at 10 kcs.</i>	
	<i>+10 DB</i>		
<i>Record Characteristics :</i>	<i>RIAA. For all LP records issued since 1955-6.</i>		
	<i>78. RIAA. 78 characteristic for current 78 r.p.m. records.</i>		
	<i>LP Early Decca LP characteristic.</i>		
<i>Consumption :</i>	<i>6.3v. 0.4 A. 240V. 0.8 m/A average.</i>		
<i>Valve :</i>	<i>ECC83 twin-triode. ½ input stage with selective NFB to achieve playback characteristics.</i>		
	<i>½ Baxandall type tone controls.</i>		
<i>Overall Dimensions :</i>	<i>8½" x 5⅛" x 2½" (21.5 cm x 13.0 cm x 6.3 cm).</i>		
	<i>Panel : 8⅜" x 5¼" x ¼" (21.9 cm x 13.3 cm x .6 cm).</i>		
	<i>(Carton Packed) 9" x 6" x 6¼" (22.9 cm x 15.2 cm x 15.8 cm).</i>		
<i>Weight :</i>	<i>3 lbs. (1.4 kilos).</i>		
	<i>(Carton Packed) 3½ lbs. (1.6 kilos).</i>		
<i>Panel Colours :</i>	<i>BRONZE. BLACK. IVORY. RED.</i>		
<i>Control Knobs :</i>	<i>BLACK. IVORY. BROWN. (Gold filled).</i>		

(Each Unit supplied complete with comprehensive Installation and Operation Instructions and all necessary connectors).

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