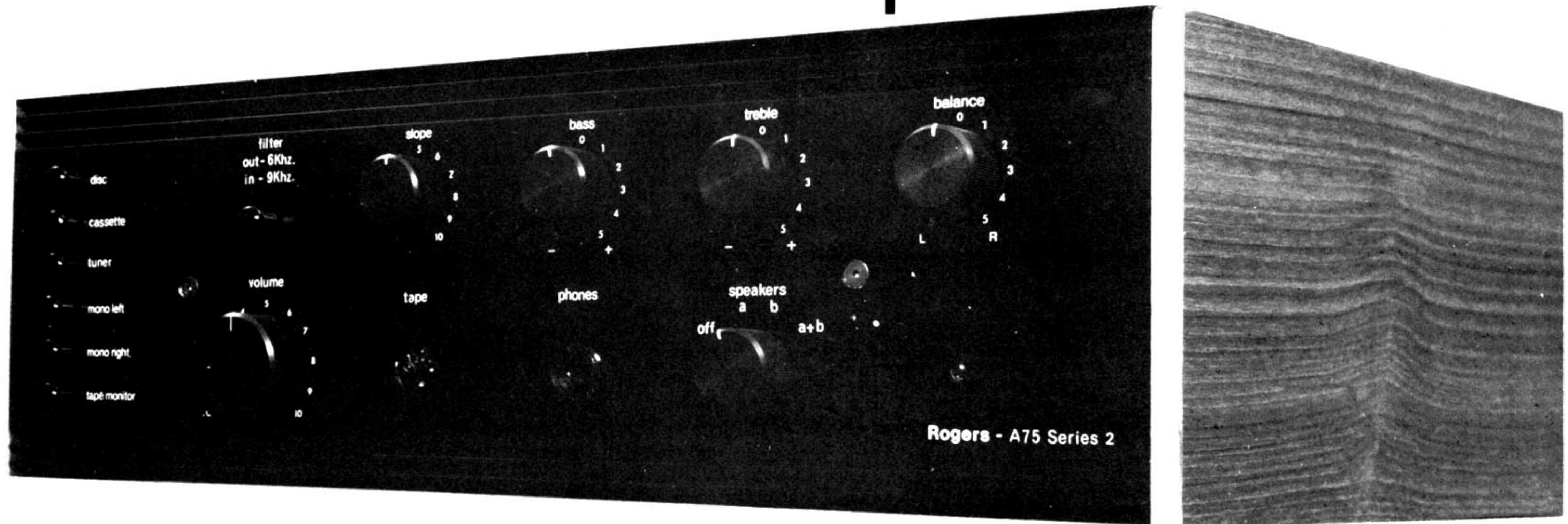


The A75 Series 2 Amplifier



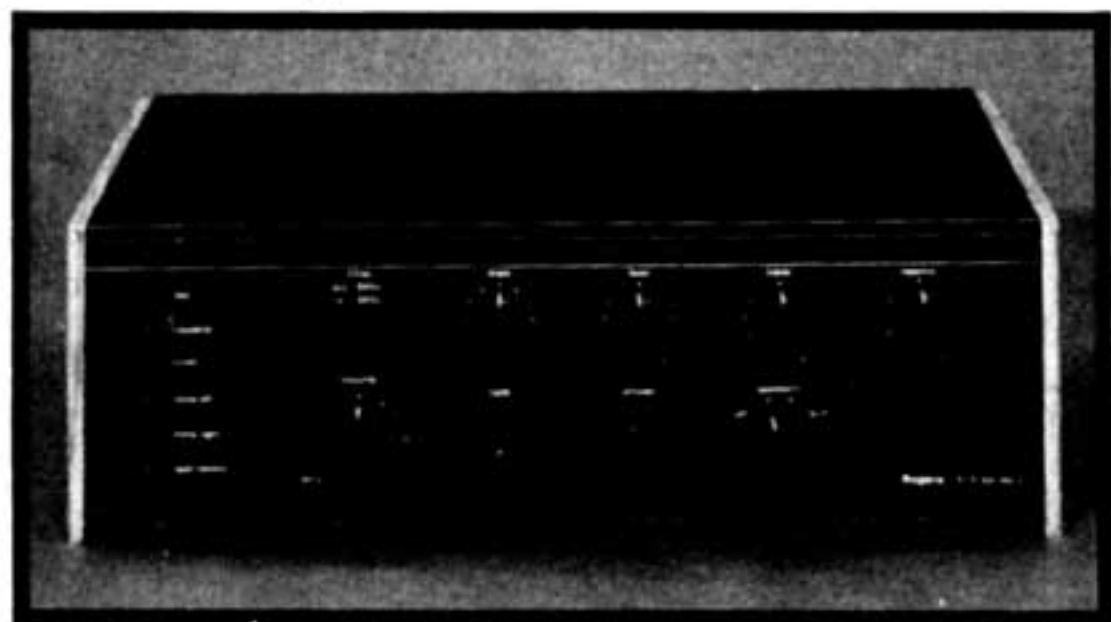
A British Amplifier of proven design and construction offering the class of robustness and audible performance which has made Rogers products sought after by the discriminating music-lover. Using a totally unique class AB output configuration in conjunction with the latest High Gain Linear Darlington Output Devices to provide perfect fatigue-free performance coupled with control facilities to meet the requirements of the modern domestic situation.

Rogers



British High Fidelity

A75 Series 2 Amplifier



A truly British product of legendary Rogers reliability featuring: —

Output power of 45 + 45 w continuous sine wave power 30 Hz — 40 KHz both channels driven into 8 ohm loads.

Distortion less than 0.08% at 1 KHz at any power below clipping both channels driven into 8 ohm loads.

Facilities for cassette and open reel recorders with dubbing and transfer facilities. Selection of either or both of two pairs of stereo loudspeakers coupled with headphone facilities. D.C. Coupled loudspeaker outputs for superior bass reproduction.

Comprehensive variable slope filtering of selectable frequency — acknowledged as the only useful method of filter control.

Three switched A.C. mains outlets using approved shuttered Eurosocket connectors.

The ideal amplifier for accurate reproduction in conjunction with the Rogers BBC design derived loudspeakers.

The main characteristic which has distinguished Rogers amplifiers from impressively specified competitors' products is the superb sound reproduction. The Rogers A75 Series II possesses audible performance which distinguishes it from virtually all other amplifiers and has led to the Rogers reputation amongst true music-lovers.



Technical Specification

INPUT FACILITIES	Selected by front push buttons. Sensitivities are for 45 watts into 8 ohms	TREBLE	Rotary control allowing up to 16 db boost or cut at 10 KHz	TOTAL HARMONIC DISTORTION (both channels driven)	Less than 0.08% at 1 KHz at any power up to 40 watts into 8 ohms load
DISC (Magnetic or Ceramic)	Input impedance: 47K ohms Input connection: 5 Pin DIN socket on rear panel Response: Equalised to R.I.A.A. ± 1db Sensitivity: 2.7 mV, 4mV, 63 mV and 90 mV at 1 KHz (Selected by rear panel push buttons) Overload: better than 80 mV at 1KHz on the 2.7 mV sensitivity. Note 1: Ceramic pickups can be used feeding into low impedance R.I.A.A. Equalised inputs and some manufacturers specify additional correction networks for such applications. Note 2: See Mode Selection for playing Mono records with a stereo pickup.	VOLUME	Rotary logarithmic control to allow smooth increase in output level.		Less than 0.3% 40 Hz — 20 KHz at any power up to 40 watts into 8 ohm load.
TUNER:	Sensitivity: 180 mV Input Impedance: 100 K ohms in stereo mode Overload: Infinite for all practical applications	FILTERS	HIGH PASS Fixed at 20 Hz with a slope of approximately 30 db per octave. LOW PASS Two position variable slope filter with a 6 KHz or 9 KHz turnover frequency selected by a front panel push button with the slope being continuously variable between zero and 20 db per octave by a rotary front panel control. All dual controls are close tolerance potentiometers to allow accurate tracking between left and right hand channels.	DAMPING FACTOR	30 at 50 Hz ref 10 watts into 8 ohms
CASSETTE	Replay Sensitivity: 180 mV Input Impedance: 100 K ohms in stereo mode Overload: Infinite for all practical applications.	MODE SELECTION	LEFT AND RIGHT Front panel push buttons give the following facilities on Radio, Cassette and tape inputs: Left and right inputs to left and right outputs for stereo operation. Left input applied to left and right outputs Right input applied to left and right outputs Selection of a single track on a 1/2 or 1/4 track open reel recorder for playing back on both amplifier channels can be achieved using Mono left or Mono right input buttons.	BALANCE CONTROL	9 db range
TAPE	Replay Sensitivity: 180 mV Input Impedance: 100 K ohms in stereo mode Overload: Infinite for all practical applications Input Connection: 5 Pin DIN standard socket on rear panel and duplicated on front panel.	STEREO OR MONO	Front panel push button allows the left and right disc inputs to be connected in parallel and applied to both amplifier channels. (For use with stereo pickups playing mono records).	SIGNAL TO NOISE	Disc: better than — 70 db (CCIR weighting). All other inputs: better than — 80 db (CCIR weighting).
OUTPUT FACILITIES	Signal levels for rated inputs			FREQUENCY RESPONSE	Disc: R.I.A.A. Equalisation ± 1 db All other inputs: ± 1 db 25 Hz — 20 KHz ± 2db 20 Hz — 50 KHz
CASSETTE RECORD	Record level: 180 mV in series with 330 K ohms suitable for most DIN-Standard inputs Output Connection: 5 Pin DIN socket on rear panel	CASSETTE — OPEN REEL RECORDERS	Facilities include: Recording from disc, radio or cassette on to an open reel recorder. Recording from disc, radio or open reel recorder on to a cassette recorder. Replay from a cassette recorder. Replay from a 3 head open reel recorder with tape monitoring button allowing A/B comparison between the original signal being recorded and the recorded signal.	STEREO SEPARATION	Better than 52 db at 1 KHz with disc input at maximum sensitivity, and Output level of 45 watts into 8 ohm load.
TAPE RECORD	Record level: 180 mV Load impedance: 50 K Ohms or greater Output connections: 5 Pin DIN standard socket on rear panel and duplicated on front panel.			POWER SUPPLY	Balanced positive and negative supply rails employing capacitor smoothing and fast acting fuses for unobtrusive operation with complete amplifier and loudspeaker protection.
POWER	3 Switched A.C. Power Outlets. (Total Maximum Permitted Load 240 watts)			RANGE (Set Internally)	110/120/220/240v 50-60 Hz A.C. Mains
PHONES	Standard 1/4" stereo jack socket on front panel. Maximum level: 20 Volts in series with 150 ohms (suitable for most headphones of 8-300 ohms impedance).	PERFORMANCE		CONSUMPTION	Maximum output: 200 watts
SPEAKERS	Connection: Single pole sockets to accommodate heavy duty 4mm low contact resistance plugs. Selection by front panel control of two individual sets of stereo loudspeakers A or B. With additional facility of selecting A and B simultaneously and of switching off all loudspeakers while retaining headphone output.	OUTPUT CONFIGURATION			
TONE AND VOLUME CONTROLS		OUTPUT POWER		TRANSISTOR COMPLEMENT	14 silicon small signal Transistors 4 silicon power driver Transistors 4 silicon Darlington output devices
BASS	Rotary control allowing up to 16 db boost or cut at 30 Hz	POWER BAND WIDTH	0db = 45 watts into 8 ohms — 3db 20 Hz — 50 KHz.	DIMENSIONS	36.2 cm x 28.6 cm x 11.7 cm (14 1/4" x 11 1/4" x 4 1/2")
				WEIGHT	7 Kg (15 1/2 lbs)

The manufacturers reserve the right to alter specifications without prior notice.

Distribution restricted to appointed Retail Dealers and Professional Users.

Rogers



British High Fidelity

All Rogers high fidelity products are manufactured and distributed by:

SWISSTONE ELECTRONICS LIMITED

Main works

4/14 Barmeston Road, London SE6 3BN.

Telephone: 01-697 8511.

Cables: Swissec London SE6.