

AWA CENTRALISED ADDRESS, RADIO & RECORD PLAYING EQUIPMENT

Audio Amplifier, 50 and 100 Watt, and Accessory Units

UNIQUE . . . VERSATILE . . . DEPENDABLE!

AMPLIFIERS

FACILITIES:

Models PA1002B and PA1001B have

- 2 High impedance (2M Ω) microphone inputs.
- Input (0.5M Ω) for high output pickup.
- Radio input (0.5M Ω).
- Taps are provided to match the amplifier output to a number of 600 ohm speakers including 70 and 100 volt lines.
- 50W. amplifier: 2 to 60
- 100W. amplifier: 4 to 100

The amplifiers are mains operated from 220-250 Volt 50 cycle A.C. supply. A three-core cable and three-pin plug are attached to the amplifier for connection to the A.C. mains. An HT fuse and a mains fuse are fitted

CONTROLS:

All Controls are marked on the front panel and all input and output terminals are marked on the rear face of the chassis. The following controls are fitted to Models PA1002B and PA1001B amplifiers.

MICROPHONE VOLUME: { Channel 1
Channel 2

PHONO/RADIO VOLUME:

HIGH FREQUENCY ATTENUATION CONTROL:

Operating on pickups and radio only.

LOW FREQUENCY ATTENUATION CONTROL:

Provides approximately 10 db. attenuation at 50 cycles, for feeding horn type speakers.

PHONO/RADIO SWITCH:

MONITOR ON/OFF SWITCH:

PROVISION FOR MAINS ON/OFF SWITCH:

BOOSTER AMPLIFIERS:

Both models can be supplied less pre-amplifiers for use in booster amplifier applications. These are designated PA1002A and PA1001A respectively.

AMPLIFIER PERFORMANCE: (both models)

FREQUENCY RESPONSE:

Within 3db 25 to 10,000 cycles.

SENSITIVITY:

Microphone (HZ) _____ —45dbm
Phono _____ —10dbm
Radio _____ —10dbm

OUTPUT LIMITER:

Both models include a unique output limiting circuit, which can be preset to control output from a few watts to maximum power rating.

POWER CONSUMPTION	50W.	100W.
	146	260
	Watts	Watts
	Max.	Max.

ADAPTABILITY FOR RACK MOUNTING:

Both types of amplifier and their accessories may be adapted readily for rack mounting by the addition of brackets and a standard cover panel with cut-outs for controls. Kit number — PA460.

DIMENSIONS AND WEIGHT:

	Height	Width	Depth (front to rear including controls)
PA1002B 50 watt Amp. 35 lbs. }	9"	17"	11"
PA1001B 100 watt Amp. 40 lbs. }	9"	17"	11"
PA835 Turntable unit	11½"	17½"	16½"
PA055 Switching unit	4½"	16½"	9½"
PA810 Record storage unit	26"	17"	17"
PA780 Monitor Speaker, 6x4" per mag. with plug.			

VALVE COMPLEMENT:

Valve Type	50W. Qty.	100W. Qty.
EF86	1	1
12AU7	1	1
12AX7	1	1
7027A	2	4
IN3195 Silicon Diode	3	3

RADIO TUNER — PA449Y

Medium wave. Simple screw mounting with plug connection to amplifier power supply. Attractive handspan dial, tuning indicator and silver anodised trimplate

SPEAKER SWITCHING UNIT PA055-8

Selection and identification of individual speaker lines. The unit provides for up to 24 lines, but may be ordered with 6, 12, 18 or 24 switches.

TURNTABLE UNIT PA835

Smooth action slide compartment player. Model PA835A: 4-speed automatic record changer.

Model PA835B: 4-speed manual player.

RECORD STORAGE UNIT PA810

Similar in form to PA835, provides adequate and safe storage.

ACCESSORY UNITS

PREAMPLIFIER MODEL — PA739Z

For two H.Z. Microphone Channels as normally fitted to Power Amplifier Models PA1001B and PA1002B. Low Impedance input channels are available at extra cost.

PREAMPLIFIER — PA483Z

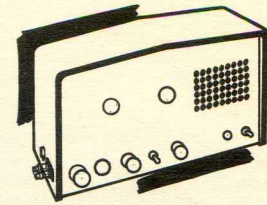
1 — HZ — Microphone Channel (LZ available at extra cost).

1 — Phono. Tone Control Stage providing independent and continuously variable Bass and Treble response.

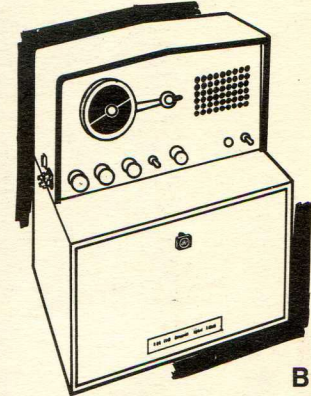
Range of Control:
+11db to —7db at 50cps
+ 7db to —11db at 10kc

SYSTEMS

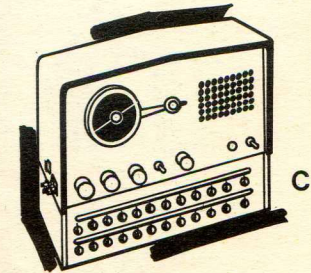
- A. Amplifier unit.
- B. Amplifier, radio and turntable unit.
- C. Amplifier, radio and speaker switching unit.
- D. Amplifier, radio, turntable and speaker switching unit.



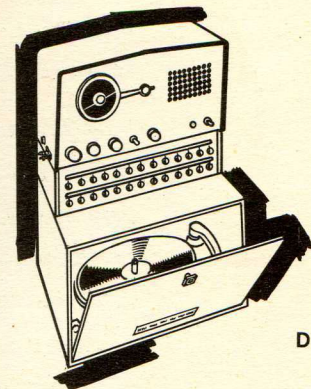
A



B



C



D