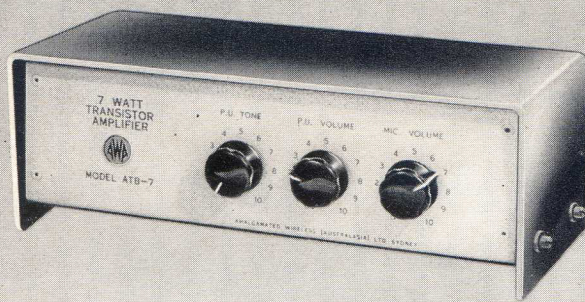


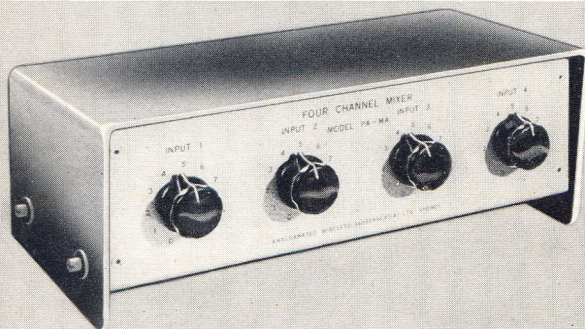


FOREMOST IN SOUND



7 WATT TRANSISTOR AMPLIFIER—PA745

A small portable unit for speech and music amplification. Operates from a 12-volt D.C. source and is highly suitable for Mobile Address work. Can also be operated on a 6-volt D.C. supply with corresponding reduction in audio output.



FOUR CHANNEL MIXER—PA399

Fully transistorised. Allows the mixing of four low impedance microphone channels, each with individual level control. The unit is mounted in a cabinet of robust and pleasing design.

technical data 7 watt transistor amplifier

specifications for PA amplifier type PA745—7 watt.

application

The amplifier is a small portable unit for speech and music amplification for operation from a 12-volt D.C. source and is highly suitable for Mobile Address work. The unit can also be operated on a 6-volt D.C. supply with a corresponding reduction in audio output.

facilities

Input and output facilities are as follows: 1. Crystal Microphone input, .4 megohms. 2. Dynamic Microphone input, low impedance. 3. Pick-up input, .5 megohms. 4. Output taps are provided at impedances of 6 and 12 ohms on 12-volt operation and 3 and 6 ohms on 6-volt operation.

amplifier performance

- 1. Sensitivity:** On pick-up approximately .5V for full output. On microphone approximately 2mV for full output.
- 2. Frequency Response:** With tone control at normal, response is substantially level from 50 cycles to 10 KC.
- 3. Harmonic Content:** Less than 5% at full output.
- 4. Noise Level:** Pick-up input better than -60db below full output. Microphone input better than -30db below full output.
- 5. Tone Control:** Operative on pick-up channel only. Gives a smooth cut to top frequencies with a full cut of -22db at 10 KC. in maximum clockwise position.
- 6. Power Consumption:** 12-volt operation—approximately 1.35 amps. at full load condition, quiescent current 150 MA. 6-volt operation—1.2 amps. at full load condition, quiescent current 200 MA.

specifications of four channel mixer, type PA399

application

This unit, which is fully transistorised, allows the mixing of four low impedance microphone channels, each with individual level control. The complete unit is mounted in a sturdy cabinet of most attractive design.

response

is substantially linear over the range 50 cycles to 10 KC.

sensitivity

When correctly loaded, an input of approximately .8mV will provide a .5V R.M.S. at the output terminals.

harmonic content

less than 1% at .5 R.M.S. output.

noise level

better than 50db below .5 R.M.S. output.

termination

Low impedance input and output.