Part No. 66191 Sheet 1 of 2.



INSTRUCTIONS
The PAloo4Z is a mains or battery operated, 9 transistor, portable 20 watt amplifier.

Front user controls, reading from left to right, are as follows:-

This switches on or off the 5" x 3" Monitor Speaker Kit, PA383, when it is fitted within the amplifier.. PA383 is an optional accessory.

P.U. Radio Tone: This control only operates when the Selector Switch is on Radio or P.U.

Selector Switch: This connects one pre-amp. stage to either the Radio or P.U. or Mic. 3. terminals the rear.

P.U. Radio Mic. 3 Volume: This controls the channel determined by the Selector Switch.

Mic. 2 Volume. This controls the Mic. 2 input terminals

Mis. 1 Volume. This controls the Mic. 1 input terminals.

N.B. On the base of the amplifier a pre-set control is provided for Bass adjustment. 87 DAREBIN ST.

## AMPLIFIER CONNECTIONS

MILE END. S.A.

Power. Two cables are provided, one for mains and one for 12 Volt battery operation. With the battery cable make sure that the red ead is attached to the positive terminal and the black lead to the nagative battery terminal.

Three protective power fuses are provided one 1.5 amp. for mains and two 5 Amp. fuses for battery.

On mains operation only a lighted bezel indicates that the amplifier is on.

Provision is made for low impedance (20-80 ohms) microphones only, preferably of the balanced type. In this case the active leads from the microphone are connected across the appropriate pair of Low terminals and the shielded lead to the corresponding Earth terminal.

If the microphone is unbalanced (ie has a single shielded lead) then it should be connected across the chosen pair of Low terminals only. The Low terminal to which the shielding is connected may then be linked to the Earth terminal if found necessary.

Output. The impedance for each output terminal is clearly marked and the closest possible match to the load being used should be selected.

Warning. To avoid damaging the output transistors, never run the amplifier with the speaker disconnected or the lines short circuited.

OPERATING CONDITION	IMPEDANCE TYPE	SENSITIVITY FULL OUTPUT	CAL AMPLIFIED MAXIMUM INPUT	R (1000 CYCLES) INPUT IMPEDANCE
Mic. 1, 2 or 3	Low	-70dbm (250uV)	12mV	20-80 ohms
Pick Up	High Y H	-20dbm (80mV)	1.5V	500K ohms
Radio	High &	-20dbm (80mV)	-1.5V	500K ohms

