

Operating Instructions

AT250B
Power Amplifier




Quality
Endorsed
Company
QEC#2143
ISO9002:1994

Audio Telex Communications Pty Ltd

ACN 001345482 Incorporated in NSW

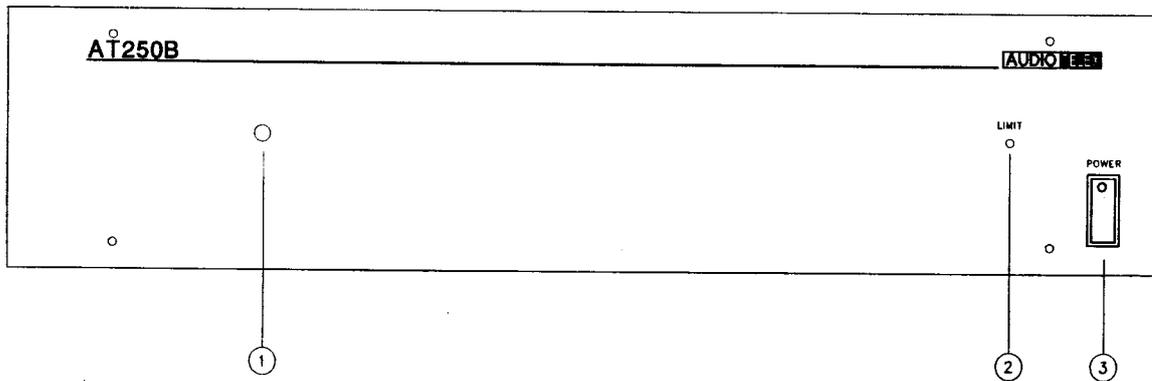
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AT250B Power Amplifier

Product Description

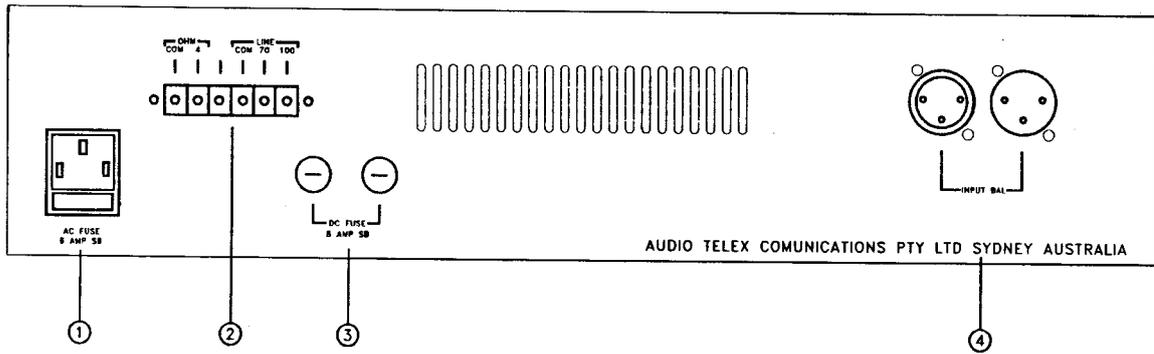
The AT250B is a 250 watt power amplifier with outputs for 4 ohms, 70 and 100 volt line. It may be desk or rack mounted but comes standard as self standing with rubber feet. The AT250B features a flat screwdriver accessible gain control on the front panel and a limit indication LED. The factory setting for the front panel gain control is 1 volt RMS. Units may be stacked to a maximum of 3 units high.

Front Panel Controls



- Gain Control:** Access is via the front panel using a small flat head screwdriver. Factory pre-set is 1 volt RMS, the sensitivity of the amplifier may be reduced by turning the gain control in a counter-clockwise direction, or increased by turning the gain control in a clockwise direction .
- Limit LED:** This red LED is designed to give the user a visual indication of the status of the operating condition of the amplifier and is integral to the inbuilt protection included in the amplifier. During normal operation, the LED will flicker occasionally, however if the LED flickers for lengthy periods or stays continuously glowing, this is an indication that the amplifier is being over-driven by the incoming program signal. If this input overload condition is combined with the maximum load on the output of the amplifier then the amplifier will automatically shut itself down for a period of approximately 3 seconds and then turn itself back on again and continue to cycle in this fashion until the abnormal condition is removed. This is a feature of the amplifier and is designed to protect the internal circuitry of the amplifier and also to protect any speakers that may be connected to the output of the amplifier.
- Power Button:** This switch controls the switching of AC power to the amplifier. Rocking this switch upwards turns on AC power to the amplifier while rocking the switch downwards turns power off to the amplifier. When in the upward position, the red neon in the body of the switch will glow.

Rear Panel Connections



- 3 Pin IEC Mains Power Inlet:** The operating voltage is 240 VAC @ 50 Hz or 110 VAC @ 60 Hz. The AC power voltage level is not externally user adjustable but is factory pre-set. The inlet is equipped with an inbuilt AC fuse holder fitted with a 6 amp fuse plus a spare found within the holder. Power consumption is 400VA. ⚠ **Please ensure that the mains power cord is disconnected before attempting to check or replace this fuse.**
- Direct Output Terminal Strip:** These screw terminals allow access to the direct outputs of the amplifier. Reading from left to right the terminals are-
 - Low Impedance Common
 - 4 Ohms
 - Spare
 - Constant Voltage Common
 - 70 Volt Line
 - 100 Volt Line
- Twin DC fuse receptacles:** Access the DC fuses is by turning the cap half a turn counter-clockwise with a screwdriver. The value of the fuses is 8 Amps slow blow. ⚠ **Please ensure that the AC power switch is in the 'off' position and that the mains power cord is disconnected before attempting to check or replace this fuse.**
- Signal Input Sockets:** Signal input to the AT250B is via a 3 pin XLR socket and is rated at 10K Ohms and is active balanced. The two sockets provided are are bridged for in/out connection. Pin connections are Pin 1 = Earth. Pin 2 = Active Positive (+). Pin 3 = Active Negative (-).

Fuse Sizes

Mains 240 VAC: 6 Amperes Slow Blow

DC: 2 x 8 Amperes Slow Blow

Notes

⚠ There are no user adjustable controls inside the amplifier so the cover should only be removed by qualified service personnel. In all cases the mains power lead should be disconnected before the cover is removed.