

Operating Instructions



ACM250P
Power Amplifier





AUSTRALIAN MADE Quality Endorsed Company QEC#2143 ISO9002:1994

Audio Telex Communications Pty Ltd

ACN 001345482 Incorporated in NSW

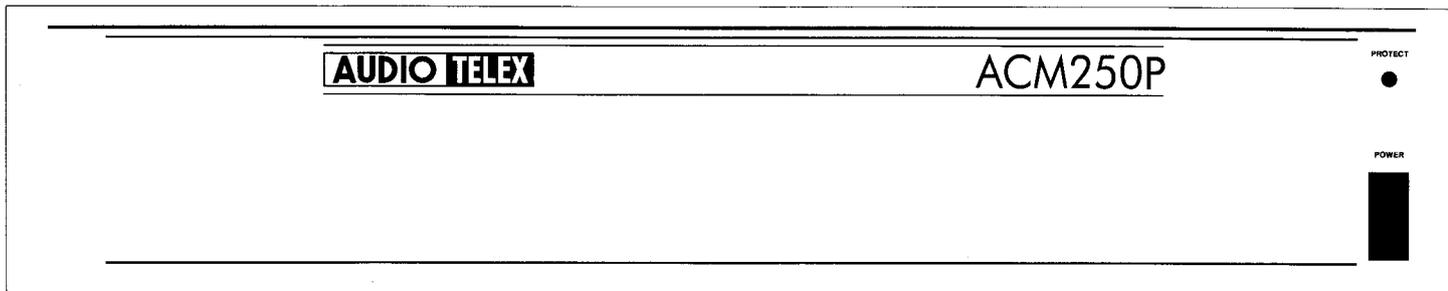
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ACM250P Power Amplifier

Product Description

The ACM250P 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 ACM250P features a flat screwdriver accessible gain control on the rear panel. The factory setting for the front panel gain control is 1 volt RMS.

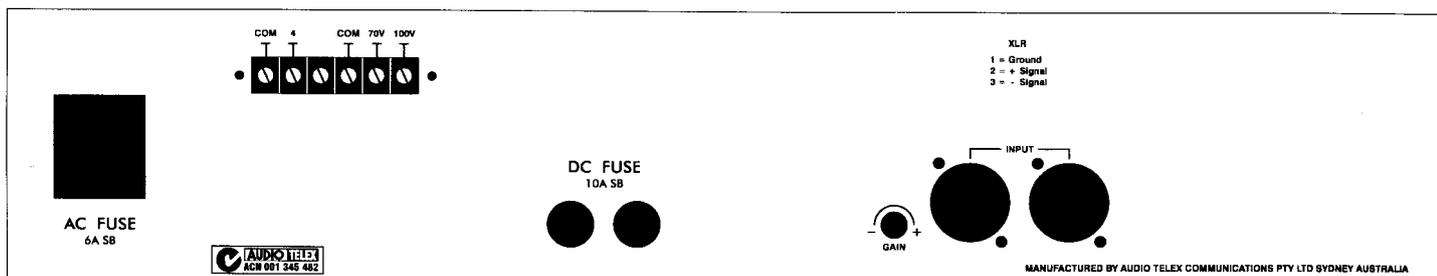
Front Panel



Power Button: This switch controls the switching of AC power to the amplifier. Rocking this switch turns the AC power to the amplifier on and off. When in the on position, the red neon in the body of the switch will glow.

Protect LED: A feature of the ACM250P is high temperature protection. In most applications, the internal cooling fan will most probably never switch on. When used with demanding speaker loads or in difficult operating environments, the fan may regularly switch on to cool the amp down and then switch off again. This switching on and switching off is quite normal. The "Protect" function is there to protect the amplifier from a high temperature problems which would only occur if the fan stopped working or became clogged up. In this very rare occurrence, the amplifier will shut down and the protect LED will illuminate. The amplifier will automatically restart once it's internal temperature has fallen within "safe" limits. If the protect LED illuminates, it is best to switch the amplifier off, let it cool down and then try it again. If the protect LED illuminates again, please contact either Audio Telex or the company who supplied or installed the equipment.

Rear Panel



3 Pin IEC Mains Power Inlet: The operating voltage is 240 VAC @ 50 Hz or 110 VAC @ 60 Hz (special order). 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 10 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 ACM250P is via a 3 pin XLR socket and is rated at 10K Ohms and is active balanced. The two sockets are provided for bridged in/out connection. Pin connections are Pin 1=Earth. Pin 2=Active Positive (+). Pin 3=Active Negative (-).

Gain Control Level: A recessed (screwdriver adjustable) gain control is located on the back panel. Turning the control clockwise will increase the output of the ACM250P towards it's maximum output level while turning the control counter-clockwise will decrease the output level. Adjust this control for the desired output level depending on the level of the input signal (from a mixer or other signal source). The factory default setting for this control is such that a 1 volt input will give a 100 volt output.

Fuse Sizes

Mains 240 VAC: 6 Amperes Slow Blow

DC: 2 x 10 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.