

fluences in equipment and surroundings.

A study of the construction and specifications reveals that nothing has been spared in engineering and manufacture of these amplifiers to present a superb piece of equipment that you can be proud to own.

Even the most mediocre equipment used in conjunction with a top quality amplifier such as the Linear will give maximum appreciation within the limitations of that equipment.

Enquire about the complete LINEAR range of equipment. For the very best in sound use only the LINEAR turntable, amplifiers and speakers.

See the back of this leaflet for further details and specifications of the LINEAR range.

Guaranteed for 12 months covering repair or replacement of faulty parts excluding labour charges.

BACK PANEL FEATURES

Mains Fuse

A standard fuse with a 1 amp rating is used to provide overload protection. It also fuses the three pin power outlet.

Speaker Fuses

These fuses are smaller than the mains fuse (20mm x 5mm) but have a 2 amp rating. They afford not only protection for the power amplifier sections in the event of a shorted speaker lead, but also allow you to provide protection to valuable speakers that have a low

power rating, simply by a reduction in the value of the fuse.

"One Touch" Speaker Terminals

Two pairs of speakers may be used alternately or together, and are selected by the speaker selector switch on the front panel. "One Touch" terminals ensure rapid and positive connection of the speaker cable.

Make sure the speakers are correctly "phased" or else a lack of bass response will result. Simply reverse the cable connection on one speaker if you suspect incorrect phasing.

Tape Sockets

1. DIN

Conventional 5 pin 180° DIN socket which will accept the output of a tape recorder, and will also supply a signal of approximately 100mV to the input of the recorder. By using the Tape Monitor/Source switch on the front panel, it is possible to listen to the playback of a three head machine whilst recording. This

facility helps you to monitor the recording quality and continuity in "live" recording situations. (Does not apply to Model L225)

2. CO-AX.

Parallel wired to the DIN socket to provide alternative connection facilities. Upper pair of sockets provide input signal to the tape recorder, and the lower pair accept input signal to the amplifier.

Auxiliary Input

These sockets may be used for the connection of a second tape recorder, or the "sound" from a television receiver.

Tuner Input

Use these sockets for the connection of a high fidelity radio tuner.

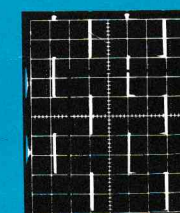
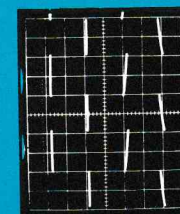
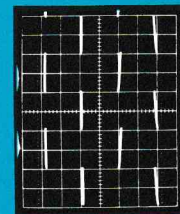
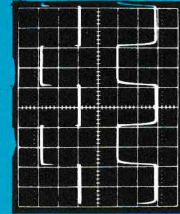
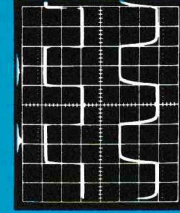
Phono 1 Input

These sockets will accept the output from the many types of magnetic cartridges available on the market with an output of 2.5mV or more.

Phono 2 Input

These sockets are provided for use with ceramic or crystal pick-up cartridges.

SQUARE WAVE RESPONSE

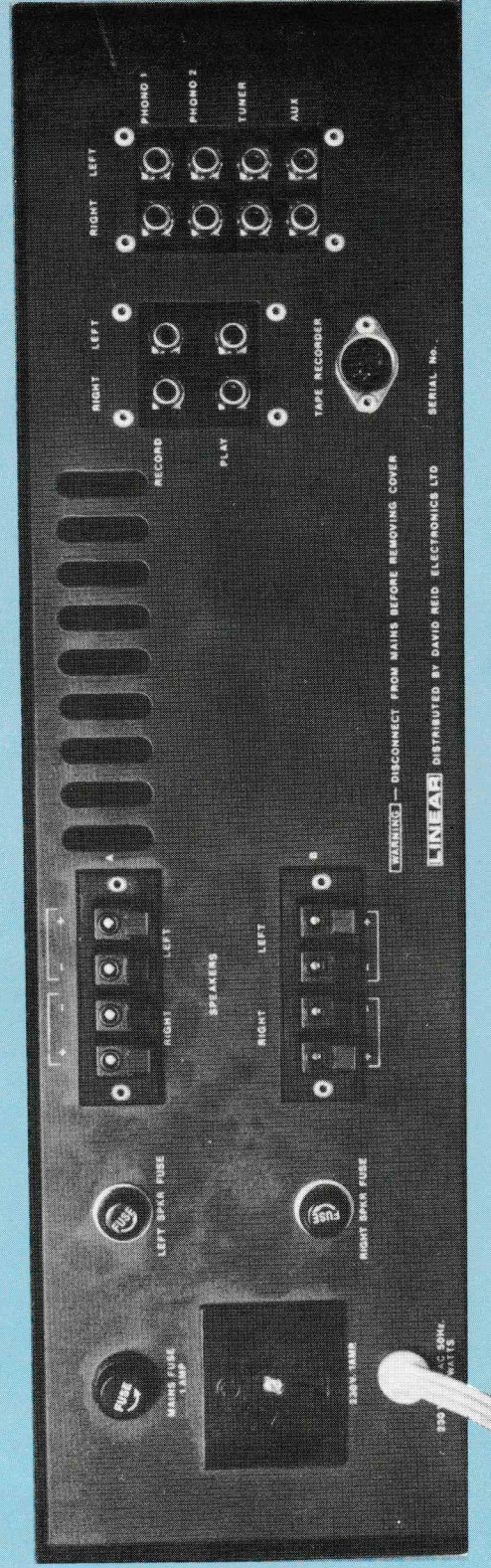


The ability of an amplifier to respond to complex musical transients can be assessed by injecting a square wave into the amplifier and observing the output on an oscilloscope display. Firstly a 1000 cps square wave to check overall performance and that the tone control functions are correct. Next follows 50 cps, then 20,000 cps, to check performance at the extremes of the spectrum. Every LINEAR amplifier undergoes these demanding tests. The results of these tests are photographed and reproduced for you to examine.

The injected input signal is displayed on the top trace, whilst the output from the amplifier is displayed on the bottom trace. Compare these waveforms for yourself and check them against those of other amplifiers and you will see why the LINEAR

1,000 cps 50 cps 100 cps 20,000 cps
10,000 cps 50 cps 100 cps 20,000 cps

PLEASE NOTE: As the L 940 is capable of reproducing in excess of 50,000 cps, the above waveforms are reproduced at a lower frequency for clarity.



3 Pin 230 Volt Outlet
Provision is made for supplying 230 volts A.C. to a phono turntable or tape recorder. This outlet is controlled by the power switch on the front panel.