

#### 5.4 AMPLIFIERS

The RIA preamplifier is directly connected to the cartridge if this is of standard type. If moving coil cartridges are employed, an impedance adapter-transformer may be supplied upon request.

The signal is equalized at 3180/318/75 microseconds according to RIA standard; in addition the time constant can be continuously switched from 75 to 0 microseconds (the response is not equalized over 2 KHz). The signal is then filtered by a band-limiting filter at 24 dB/oct and cut-off frequency of 24 Hz to eliminate disturbances outside of the audio spectrum.

A further amplification stage affords the adjustment of the output level by means of a potentiometer. The signal is then fed to the line amplifier with a balanced output supplying a voltage of + 6 dBm.

On the line amplifier printed circuit are located the "MUTE", "MONO" and "ELECTRONIC MUTE" switches.

The mono control feeds the sum of the signals A+B to the lefthand channel only.

The electronic "mute" is activated by any start or stop command.

The line mute is controlled by the corresponding button and it does not affect monitoring and headphones outputs.

In addition the board includes a monophonic monitor amplifier and a stereo amplifier for the headphones.