



MUSICAL TECHNOLOGY PHONO UNIT P1

This unit represents the ultimate in phono design. For general quality and flexibility it can be considered definitive and can be compared to the best phonos at any price.

Everything has been made to reach the typical qualities of Musical Technology electronics: transparency, sweetness, definition, ambience, dynamics.

It is suitable to any existing MC or MM cartridge as it is possible to vary gain and impedance according to the specifications of the cartridge. Gain can be selected to match MC cartridges with output voltage as low as 0.1 mV. Therefore, pre-pre or step-up transformer are unnecessary. The signal path is very simple in spite of the apparent complexity of the circuit. Each channel, completely separated from the other, is formed by 24 transistors working in class A, in a complementary cascode circuit, with very little variations of current and voltage compared to the bias value, obtaining so a high linearity.

There is no overall feedback and integrated circuits to avoid sonic degradation. RIAA equalisation is not obtained by a shaped feedback network, which should provide a feedback rate increasing with frequency, noxious for sound quality, but a current proportional to input voltage is sourced into a proper impedance which gives out the required voltage. So no overall feedback is necessary, and maximum input voltage increases with frequency according to the cartridge output, which doesn't happen with passive equalisation. The power supply and filtering, in a separate chassis, is oversized (4 capacitors for 18.000 μ F) to avoid any kind of noise and to assure high dynamics.

A transparent, dynamic and definite sound comes out of a very silent background even with very low output MC cartridges.

SPECIFICATIONS

Frequency response	according to the RIAA standard within $\pm 0,5$ dB
Maximum output voltage	>8 V at all frequencies.
Gain	variable from 33 to 54 dB at 1Khz
Dimensions (cm)	14.5(w) x 6.5(h) x 22(d)

VARIABLE GAIN, IMPEDANCE, CAPACITY
VERY HIGH SENSIBILITY (0.1mV)
EXCEPTIONAL DYNAMICS
NO OVERALL FEEDBACK
NO INTEGRATED CIRCUITS
OVERSIZED AND SEPARATED POWER SUPPLY