

Fono MC

The **Fono** MC diskstage is designed to amplify the signal from a moving coil cartridge to a level which can feed into a 200mV line level input on a standard hi-fi amplifier i.e. with CD, Tuner and Tape Inputs.

The **Fono** MC Input sensitivity, capacitive and resistive loading can be set to four different levels. These levels should match most MC cartridges, which have an output level of 150 to 600 μ V and a loading requirement of 70 to 400 Ω in parallel with 1000 to 4200pF.

Method of connection

Input

Connect the tonearm leads and earth (if used) to the input socket and to the earth terminal on the back of the **Fono**.

To change the Input loading and Gain (sensitivity)

- (1) Remove the two Pozidrive screws on the back of the unit.
- (2) Holding the Earth terminal, pull the back of the unit away from the case.
- (3) Withdraw the back and PCB by approximately 8cm from the case.
- (4) There are four "DIP" switches on the PCB with the following markings.

LEFT LOADING SWITCH

RIGHT LOADING SWITCH

LEFT GAIN SWITCH

RIGHT GAIN SWITCH

- (5) These switches can be set to the following settings by turning the switches to there ON or OFF positions (factory setting 100 Ω and 4200pF input loading).

Gain Switch Settings (Input sensitivity)

- 1 Off and 2 off = 150 μ V
- 1 On and 2 off = 300 μ V
- 1 Off and 2 on = 460 μ V
- 1 On and 2 on = 600 μ V

Loading Switch Settings

Resistance loading

- 1 Off and 2 Off = 400 Ω
- 1 On and 2 Off = 100 Ω
- 1 Off and 2 On = 150 Ω
- 1 On and 2 On = 70 Ω

Capacitance Loading

- 3 Off and 4 off = 1000pF
- 3 On and 4 off = 2000pF
- 3 Off and 4 on = 3200pF
- 3 On and 4 on = 4200pF

Output

Connect the output socket of the **Fono** to the line input on the amplifier.

Power Supply

Connect the Rega PS1 to the AC socket on the **Fono** back panel.

WARNING: We advise you to turn the Fono diskstage on first and then the amplifier last. This is because the power surge in the Fono diskstage could cause a "power on" thump which may distress the speakers.

Specifications

Input sensitivity for 200mV output in to 50K Ω

- 150 μ V
- 300 μ V
- 460 μ V
- 600 μ V
- Factory setting 150 μ V

Input Resistance loading

- 400 Ω
- 100 Ω
- 150 Ω
- 70 Ω
- Factory setting 100 Ω

Input Capacitance Loading

- 1000pF
- 2000pF
- 3200pF
- 4200pF
- Factory setting 4200pF

Maximum input level with 100 Ω and 4200pF input loading

- 150 μ V = 10mV
- 300 μ V = 20mV
- 460 μ V = 31mV
- 600 μ V = 40mV

Minimum Output Load Impedance = 10K Ω

Power requirements = 24VAC @ 140mA (Rega PS1)

Frequency Response (50K Ω Load) = 13Hz (-3dB) to 100KHz (-0.1dB)

RIAA accuracy (50K Ω load) = +/-0.1dB 100Hz to 100KHz

Power Supply Specifications

PS1 UK

Input.....230V ~ 50Hz 0.05A
Output.....24V ~ 300MA AC

PS1 EU (Euro 2 pin)

Input.....230V ~ 50Hz 0.05A
Output.....24V ~ 300MA AC

PS1 UL (American)

Input.....115V ~ 60Hz
Output.....24V ~ 300MA AC

