

Thank you for buying a **PLINIUS** product!

This Preamplifier has been carefully designed and manufactured by hand and under normal circumstances will maintain its present high level of performance for years to come. Please read this manual fully before you attempt to use the M7 as it does require some familiarisation before you add it to your music system.

We are proud to guarantee the correct operation of your M7 Preamplifier for a period of 5 years from date of purchase.

CERTIFICATE OF MANUFACTURE

Serial Number :

Date of Manufacture :

Final Test :

Manufactured in New Zealand by:
AUDIBLE TECHNOLOGIES LIMITED.
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INTRODUCTION

The **PLINIUS** M7 Preamplifier is a continuation of the design philosophy embodied in the Model 12 Preamplifier. It represents another step in this new direction for Plinius amplification.

One major departure from previous models is the use of an “onboard” power supply. This supply consists of a pcb mounted transformer and a tightly regulated power regulation system.

The phono stage consists of a FET amplifier without overall feedback, in a design similar to a tube circuit, followed by the high frequency equalisation. This in turn is followed by an active feedback low frequency stage.

Although the M7 is able to provide superb results from a phono based system, the high level circuits have been optimised for CD and other popular sources.

Every component used within the M7 has been chosen for sonic excellence. The potentiometers used are quality ALPS units and all switching is done directly on the circuit board. Tape selection is by solid state analogue switches.

CONTROLS

The volume control is a high quality close tolerance type and will accurately convey the source signals to the high level amplification stages. It should be set between 10 o'clock and 2 o'clock for normal listening.

The M7 has been designed to operate with medium to high output moving coil cartridges, although it will accept the output of lower level moving magnets as well. If required there is a small jumper located on the Phono Board that can be moved to provide an extra 2dB of gain.

The balance control when rotated alters the relative gain between the left and right channels. Rotating the knob to the left shifts the image left and rotating it to the right shifts it right.

The source selector allows any of the inputs chosen to appear at the main outputs.

The record selector allows recording of any chosen source and will not interfere with the source that is being listened to, eg, it is possible to be listening to the CD input while making a recording from the tuner. Two tape decks can be fitted and dubbing in either direction is possible.

The mute switch allows manual muting of the preamplifier outputs. This switch does not override the automatic mute within the preamplifier.

The mute switch should be used between records and provides for an instantaneous interruption to answer the telephone etc. It is wise to leave the preamplifier in the “mute” position over night to protect your amplifiers from any unexpected transient pulses.

Try to avoid leaving the volume control at high level when the preamplifier is in the “mute” mode. Someone may come along and play material with a wide dynamic range and then switch to “operate”. The result could be damaging to your speakers or amplifiers.

INSTALLATION

The **PLINIUS** M7 Preamplifier is designed to be left on at all times, in our experience a 24 hour warmup period is required during which time the sound quality will change quite dramatically. This change will continue for at least 72 hours, after which the Preamplifier will be at its optimum. This warmup time is a fact of life with solid state circuits. It is a nuisance, but the results are well worth waiting for.

While the M7 does not dissipate an inordinate amount of heat, it is wise to provide a reasonable amount of space to allow airflow. If placed in a cabinet there should be at least 50mm of clearance above the Preamplifier.

The M7 should not be stacked with another amplifier as hum could be induced through the Preamplifier’s phono circuits. If used beside other other equipment the Preamplifier ideally should be on the right hand side, to keep transformers as far away as possible. If you detect any “hum” in your system, try moving the Preamplifier around. If the “hum” level diminishes it has been induced from another source.

INPUT CONNECTIONS:

All input connections are clearly marked and have a 47k Ohm impedance.

TAPE CONNECTIONS AND DUBBING:

If two tape decks are fitted to the M7 it is possible to dub in either direction. Selecting either Tape Input with the record selector automatically sends the tape playback signal to the other tape deck, eg, Select Tape 1 as record source and its playback output will go to Tape 2. Select Tape 2 as record source and its output will go to Tape 1.

A “tape lock” feature ensures that the machine playing back and selected as record source does not get a signal fed to its input sockets, so inadvertently switching it to record mode will not cause a feedback howl. While dubbing, the Source selector allows easy monitoring of either tape deck.

OUTPUTS:

The **PLINIUS M7** is fitted with a very comprehensive array of output facilities. There is provision for connection of 2 stereo amplifiers. This can be useful for bi-amping.

SPECIFICATION:

Outputs:

Main Out: 900mV for specified input level.
Tape Out: 175mV for specified input level.

Inputs:

CD and Other High Level Inputs: 200mV for rated output 47k Ohm.
Phono: 1mV for rated output 47k Ohm, 220pF.

Overload:

CD and other High Level Inputs: 5.5V RMS @ 1kHz.
Phono: 50mV RMS @ 1kHz.

Noise:

CD and other High Level Inputs: >80dB below rated output.
Phono: >70dB below rated output.

Distortion:

All THD and IM is below audibility.

It is our policy to improve our products on a continuing basis. These brief specifications are given with that in mind. Where possible any improvements made to this amplifier will be advised to the owner and will be offered as retrofittable.

SERVICING:

You will not void any warranties by removing the Preamplifier covers. However if the top cover is to be removed please turn the Preamplifier off first. The voltages present on the circuit board could be harmful.

In the unlikely event that your Preamplifier should require service please take it to your dealer in its original packaging. They will then determine if the unit should be returned to the factory. Your PLINIUS dealer has a good understanding of our products and he will be able to advise on any further installation requirements.

A damp cloth is all that is required to clean dust and fingerprints from the surface of your M7.