
USER MANUAL
GOLDMUND PH7.3
Phono Preamplifier



Congratulations.

Thank you for purchasing the Goldmund PH7.3 Phono Preamplifier.

You have acquired the best Phono Preamplifier ever made for professional and domestic uses. Please take some time to read this manual. It may provide you with useful information to make your pleasure of listening to the PH7.3 even higher.

INTRODUCTION

GOLDMUND PH7.3 Phono Preamplifier

Goldmund was founded in 1978 and has ever since been dedicated to the accurate reproduction of sound and image.

At Goldmund, we strive to lead in the creation, development and manufacture of the industry's most advanced technologies, including audio and video systems, home networking and music distribution.

The guiding principle at Goldmund is to produce a precise sound with the latest possible loss of quality through the different stages. Goldmund will never adopt a technology before it is sufficiently developed to satisfy the high quality standards we set. This is why Goldmund has often rejected mainstream technologies and developed its own.

W A R N I N G!

No connection or manipulation must be done before reading these instructions. Damage to the Phono Preamplifier may result if the following instructions are not consciously understood and applied.

This extremely high quality Preamplifier possesses new technical features which are a necessity for accurate sound reproduction in the best audio systems.

Only careful installation and use can provide the satisfaction you are expecting.

The installation instructions must be carried out in full and the mentioned precautions taken to get the expected result and to avoid impairing performance.

1 SETTING UP THE PH7.3

1.1 UNPACKING

You will find in the GOLDMUND PH7.3 box:

- The Phono Preampfier.
- The power cord.
- This manual.

ATTENTION

Please keep the packaging in case you need to transport the PH7.3 at a later date or if you have to send it for maintenance.

This packaging has been designed specifically to protect the PH7.3 in transit. Use of alternative packaging is likely to result in damage, invalidating warranty cover.

1.2 CHOICE OF PHONO PREAMPLIFIER LOCATION AND COOLING

The Goldmund PH7.3 phono preampfier does not generate a significant amount of heat. The performance of the phono preampfier is however directly related to its thermal stability. The PH7.3 must therefore be located to allow adequate cooling of the heatsink without over-ventilation.

Avoid stacking the PH7.3 with equipment generating heat.

Avoid locating the PH7.3 in direct proximity to any power amplifier, as the field generated by some units can be detrimental to performance of phono preampfiers.

1 SETTING UP THE PH7.3

1.3 LINE VOLTAGE ADJUSTMENT

The factory setting for the line voltage is indicated on the serial number plate. Please verify that this is appropriate for your AC line voltage before connecting mains power. The selection can be changed using the line-voltage selector on the rear panel.

ATTENTION

At the 220V position, the GOLDMUND PH7.3 Phono Preamplifier will function properly for main line voltages in between 200V and 250V.

At the 110V position, the main line must deliver between 95V and 125V.

If your AC line is usually outside of these tolerances, please consult your GOLDMUND dealer.

Please check the value of the AC line fuse. This fuse is located in the power cord receptacle. The lid can be removed with a small flat-head screwdriver when the powercord is removed.

Use a 0.5A delayed fuse for 220V and 1A delayed fuse for 110V.

1 SETTING UP THE PH7.3

1.4 CONNECTIONS

Connect the power cord to the back of the PH7.3 and plug it into the nearest wall socket. Use a 3 lug grounded plug for safety.

To get the best sound from the PH7.3, avoid any multiple plugs or extension cords.

Connect the input interconnects between the phono preamplifier and the turntable.

If you are using a moving-coil cartridge select the inputs marked MC-L and MC-R. To connect a moving-magnet cartridge use the inputs marked MM-L and MM-R.

Note: Both inputs can be connected simultaneously if no hum is generated. In that case, the front panel selecting the inputs acts a source selector between the two cartridges or tone-arms.

Plug the output interconnects from the RCA female sockets (labeled "output") to the preamplifier.

2 OPERATING UP THE PH7.3

2.1 FRONT PANEL CONTROLS

POWER ON

On the front panel of the GOLDMUND PH7.3 Phono Preamp you will find only one switch and one Led.

To start playing the Phono Preamp, turn the power switch ON.

When first powered on, the preamp will become operative only after approximately two minutes of warm up. This ensures proper stabilization of the circuitry and avoids any unwanted noise. After this delay, the output of the preamp is connected to the output connectors.

Note: The GOLDMUND PH7.3 phono preamp should remain connected at all times.

If the power cord is accidentally disconnected, a special safety circuit switches the preamp to muting, to avoid any disturbance to reach the power amplifier and the speakers, even in case of a power failure in the building.

It is normal for a slight sound to be heard from the speakers when the Phono Preamp is turned ON or OFF. The PH7.3 is self-protected and the sound heard is corresponding to the charging and discharging of the capacitors.

2.2 BACK PANEL CONTROLS

INPUT MM/MC SELECTOR

This back panel switch controls which input is used: the Moving Magnet or the Moving Coil input.

GAIN

Level adjustment acting simultaneously on both channels for both the moving coil and the moving magnet sources.

2 OPERATING UP THE PH7.3 contd

2.3 INTERNAL PANEL CONTROLS

IMPEDANCE SWITCHES

Six switches are located around the preamplifier input connectors. These switches individually adjust the loading of each input separately for each channel. For Moving Magnet inputs, both resistive and capacitive load can be adjusted. For Moving Coil inputs, only resistive load can be adjusted.

Each switch has eight positions, numbered 1 to 8. The table below indicates the values applied for each selector position:

* Selector MC R-Load (Moving Coil Resistance)

The following values are parallel resistance load applied to the MC inputs. One selector controls the right input, the other one the left input.

Switch position	Load applied on the input
1	- 10 Ohms
2	- 47 Ohms
3	- 100 Ohms
4	- 470 Ohms
5	- 1.5 kOhms
6	- 4.7 kOhms
7	- 15 kOhms
8	- 47 kOhms

2 OPERATING UP THE PH7.3 contd

* Selector MM R-Load (Moving Magnet Resistance)

The following values are parallel resistance load applied to the MM inputs. One selector controls the right input, the other the left one.

Switch position	Load applied on the input
1	- 47 Ohms
2	- 220 Ohms
3	- 1 kOhms
4	- 5.1 kOhms
5	- 10 kOhms
6	- 33 kOhms
7	- 47 kOhms
8	- 100 kOhms

* Selector MM C-Load (Moving Magnet Capacitance)

The following values are parallel capacitors load applied to the MM inputs. One selector controls the right input, the other the left one.

Switch position	Load applied on the input
1	- 22 pF
2	- 44 pF
3	- 100 pF
4	- 470 pF
5	- 940 pF
6	- 2.2 nF
7	- 4.7 nF
8	- 9.4 nF

3 SOUND QUALITY OPTIMIZATION

If the PH7.3 has been left unpowered for some time, the optimum sound quality may only be reached after many hours. The critical circuits must warm to around +50 degrees C (+120 degrees Fahrenheit) for optimum performance.

4 MAINTENANCE

The GOLDMUND PH7.3 Phono Preamplifier usually requires no maintenance. Always turn the power off before cleaning your Phono Preamplifier. Use only a clean, soft, damp cloth. Dampen with water or a mild detergent solution. Avoid abrasive or harsh cleansers (eg. products containing sodium carbonate).

5 TECHNICAL DATA

Gain MM input at 1 KHz: 36dB (low) and 42dB (high).

Gain MC input at 1kHz: 55dB (low) and 61dB (high).?

RIAA curve: -0.2 dB / + 0.2 dB max derivation from RIAA curve.

Distortion: < 0.002% (400Hz-20kHz at 6Vrms output).

Output Impedance: 100 Ohms.

Max output level: 18Vpp POWER.

Height: 75mm

Length: 435mm

Width: 305mm

Weight: 5kg

Back panel view showing connections

