

# USER MANUAL

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GOLDMUND Metis 5  
Analog Integrated Amplifier



Thank you for purchasing the Goldmund METIS 5 Analog Integrated Amplifier. The Goldmund Metis line amplifiers fully incorporate the technological expertise developed by our company throughout many years. Please take some time to read this manual. It will provide you with useful information to make your pleasure of listening to the Metis 5 even higher.

## INTRODUCTION

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### GOLDMUND METIS 5 Analog Integrated Amplifier

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.

The guiding principle at Goldmund is to produce a precise sound with the least 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.

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## W A R N I N G !

This high quality amplifier possesses new technical features such as ultra-high band width and computer linking which are necessary for accurate transcription within today's best audio systems.

Only careful use can provide all the satisfaction you are expecting.

All handling must be performed according to the following instructions to avoid impairing the amplifier's performance.

Nevertheless, if the instructions are perfectly carried out, you will notice that the use of the GOLDMUND METIS 5 is quite simple and convenient.

### **IMPORTANT**

PLEASE DO NOT CONNECT ANY CABLES OR MOVE ANY PARTS BEFORE READING THE FOLLOWING INSTRUCTIONS.

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# 1

## UNPACKING

You will find within the custom packaging:

- The Metis 5 amplifier,
- The remote control & batteries (to be fitted before use),
- The power cord,
- This owner's manual.

Unpack the above-mentioned parts carefully.

Keep all packaging for future use.

### **WARNING**

If you need to return the Metis 5 to the factory or to your local representative for a warranty repair, please note that it must be repacked in the original packaging.

This packaging has been designed specifically to protect your Metis 5 in transit. Use of alternative packaging is likely to result in damage, invalidating warranty cover.

# 2

## AMPLIFIER LOCATION & COOLING

The Metis 5 amplifier, like all high quality amplifiers, generates a lot of heat when driven at high levels and therefore must be vented properly.

It is mandatory to allow proper cooling of the heat sinks.

Do not put temperature sensitive equipment on top of the amplifier.

## 3 CONNECTIONS & LINE VOLTAGE

Connect the power cord to the back of the amplifier and plug it into the nearest wall plug. For safety reasons, use only a 3 lugs grounded plug.

To get the best sound from the amplifier, avoid any multi-way plugs or extension cords.

- Connect the speaker cables to the binding posts on the rear panel.
- Connect the interconnects from any analog sources to line inputs 1 to 5.

### **ATTENTION**

A residual high frequency noise may remain audible in some circumstances if an input is left open and is selected. This disturbance has no effect on the amplifier but may be avoided easily through the application of short-circuit plugs on all unused inputs.

### LINE VOLTAGE

The Goldmund Metis 5 integrated amplifier is preset at the factory for your country's voltage. It functions with AC voltages between either, 200V and 245V, or, 95V and 125V.

If your AC line is usually out of these tolerances, please consult your local Goldmund dealer.

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

Use a 5A slow-blow fuse.

## 4

# AMPLIFIER CONTROLS

### POWER

The METIS 5 integrated amplifier is powered on using the switch located on the back panel. In regular use this switch should be left ON at all times (see sound quality optimization). The standby function of the remote control should be used to mute the signal for safe removal of cables. When in standby mode the front panel operation LED will stay lit.

The amplifier is powered OFF by switching the back panel switch to the OFF position. A safety circuit switches the unit to mute to avoid any disturbance reaching the speakers.

### MUTING

To mute the preamplifier output, press the "MUTE" key. The same operation repeated brings back the amplifier to normal operation at the same volume as in operation at the point the mute function was activated.

### VOLUME ADJUSTMENT

The level control may be adjusted manually using the front panel knob or by using the + and - buttons on the remote control.

### SELECTOR

The selector now selects one of five available inputs. Each step clockwise selects the next input in sequence. Selection may also be made using the remote control by pressing the key corresponding to the input on the remote control.

## 5 SOUND QUALITY OPTIMIZATION

### WARM UP SONIC EFFECT

If the amplifier has been powered off for some time, the optimum sound quality is only reached after some time. It may take 15 minutes for the amplifier to reach optimum operating temperature, as the circuits have to warm up to around +55 degrees Celsius (=131degrees Fahrenheit).

## 6 MAINTENANCE AND CLEANING

The Metis 5 amplifier usually requires no maintenance. Please contact your Goldmund approved dealer if any maintenance should be required.

Always turn the power OFF before cleaning your amplifier.

To clean the external metal of the amplifier, always use a clean, soft, damp cloth. Dampen it with water or a mild detergent solution. Avoid abrasive or harsh cleansers (e.g. products containing sodium carbonate).

The identification plates are plated with precious metal. Simply clean them with a soft cloth, without any chemical solution.

## FRONT PANEL CONTROLS

- Volume Control
- Selector Input Switch
- IR Receiver for Remote
- Display of playback level
- Display of input selected
- Power led

## BACK PANEL CONTROLS

- On/Off switch
- Power cord socket 3 lugs
- Inputs
- Outputs

## INPUTS

- 5 pairs of RCA inputs (right and left)
- Input impedance: 50 kOhms
- Maximum input level (unbalanced): 3.6 V RMS

## OUTPUTS

- 2 pairs of output Speaker connectors (right and left)

## POWER SUPPLY

- 3 toroidal transformers
- 3 separated power supply
- Power cord socket (3 lugs)
- Mains fuse (5A slow-blow).

## GROUNDING

- Separated ground and earth signal
- Connection between earth and ground to cancel all ground loops

## SAFETY FEATURES

- Automatic switching to MUTING if the AC line drops or is interrupted

## TECHNICAL SPECIFICATIONS (Ctd.)

### POWER

- Nominal line voltage: 117 V or 234 V
- Input voltage range: +/- 10 %.
- Maximum power consumption: 400 W
- Power used in standby: 23 W

### CIRCUIT SPEED

- Rise time: < 800 ns.

### FREQUENCY RESPONSE

These values for any level to maximum output level

- +/- 0.15 dB, 10 - 20 kHz
- +/- 0.6 dB, 10 - 100 kHz
- +/- 1.2 dB, 10 - 200 kHz

### DISTORTION

With 1 V<sub>rms</sub> output level, 80 kHz measurement bandwidth, 600 ohms termination impedance

- THD unbalanced in to balanced out 0.01 % flat with frequency
- IMD unbalanced in to balanced out 0.01 %

### NOISE

- Signal-to noise ratio on line input: > 80 dB (0.01 Hz - 10 Mhz)
- Weighted ASA A: > 90 dB

### OPERATING TEMPERATURE

- Room temperature: -30 to +40 degrees Celsius ( -22 to +104 degrees Fahrenheit)
- Internal temperature: +45 to +65 degrees Celsius ( +113 to +149 degrees Fahrenheit)

**SIZE AND WEIGHT****Amplifier:**

- 350 mm (13.77") W x 276.5 mm (10.88") D x 60 mm (2.36") H

**Packing Box:**

- 440 mm (17.32") W x 370 mm (14.56") D x 120 mm (4.72") H
  
- Total weight: 9 Kg (19.84 lb)
- Total weight with the box: 10 Kg (22 lb)

**WARRANTY**

- 3 years, parts and labor.

Information and product specifications contained in this manual are subject to change without prior notice. Updated versions of this manual will be posted on our website at [www.goldmund.com](http://www.goldmund.com).

Please visit our support page at <http://www.goldmund.com/support/register> to register your Goldmund product for warranty.

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## BACK PANEL PICTURE

