

**GOLDMUND SRP2.3  
PREAMPLIFIER**

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## **USER MANUAL**

*ATTENTION :*

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

## **1 - UNPACKING**

You will find in the GOLDMUND SRP2.3 box :

- The preamplifier.
- The remote Controller
- The power cord.
- This manual.
- Accessories and spare fuses.

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

## **2 - CHOICE OF PREAMPLIFIER LOCATION**

The GOLDMUND SRP2.3 preamplifier generates a small amount of heat. It is necessary to allow a proper cooling of the circuits. Avoid any location which is not properly ventilated and avoid to put on top any equipment sensitive to temperature.

It is also a safe precaution to avoid direct proximity of the power amplifier, since the field generated by some units can be detrimental for the SRP2.3.

## **3 - LINE VOLTAGE**

A voltage indication is provided on the back plate of the unit. Check if this is appropriate for your AC line voltage.

*ATTENTION* : With a 220V setting, the SRP2.3 preamplifier will function properly for AC line voltage between 200V and 250V. On the 110V position, the AC mains must deliver between 95V and 125V. If your AC mains is usually out of these tolerances, please consult your GOLDMUND dealer.

Please check the value of the AC line fuse. This fuse is located on the power cord receptacle. The lid can be removed with a small screwdriver when the cord is removed. Use a .5A slow-blow fuse for 220V and a 1A slow-blow fuse for 110V.

## **4 - CONNECTIONS**

Connect the power cord to the back of the unit and plug it into the nearest wall plug. Use a 3 lugs grounded plug for safety. To get the best sound of the preamplifier, avoid any multiple plugs or an extension cord.

Connect the interconnects between the preamp and the power amp. Plug the cables to the RCA female sockets noted output.

Connect the interconnects from the source devices to the 5 inputs. Connect the tape machines to TAPE input and output RCA plugs.

Note : If you have the digital input option, the inputs 3, 4 & 5 are not available anymore for analogue sources. But inputs Digital 1 – 2 – 3 are active and may be connected to digital sources.

Note : The analogue input 1 may be converted internally to a SSP Direct cinema input. Do not use it for another source if you want to use this option. When set-up, the option is connecting the input 1 to output bypassing all preamp circuitry. To activate the SSP option, just plug a connecting Jumper on JP1 on the back of the circuit.

## **5 - CONTROLS AND UTILIZATION**

### **- POWER ON**

The GOLDMUND SRP2.3 preamplifier has no power switch. It is powered ON as soon as the power cord is connected to the wall plug. It must remain connected all the time.

When powered on first, the preamp will become operative immediately. Do not power ON the power amplifier immediately to insure proper stabilization of all the circuitry and avoid any unwanted noises.

### **- VOLUME**

Level adjustment acting simultaneously on both channels.

### **- SELECTOR**

This selector allows to choose the source from one of the 5 inputs.

## **- REMOTE-CONTROL**

The SRP2.3 uses a volume motor-driven potentiometer which can be adjusted by the remote controller provided for increasing (+) or decreasing (-) the sound level.

In addition a "MUTING" control with soft stop and start is available through the remote control which acts on the potentiometer.

The additional "MEMO" key on the remote allows to pre-program a standard level to which the potentiometer will return when the unit is powered on or when the "RESET" key is pressed.

**Attention :** If the potentiometer position you want to memorize is above the potentiometer's half position, it won't be memorized and a value of  $\frac{1}{4}$  will be memorized instead. This is provided by the software as a safety to avoid very high level memorization by accident with potential danger for the speakers the next time the unit is turned on.

## **6 - SOUND QUALITY OPTIMIZATION**

### **- Warm-up sonic effect.**

If the preamplifier has been left unpowered for a few days, the optimum sound quality is only reached after few hours. The critical circuits have to warm up to around +55 degrees Celsius (+131 degrees Fahrenheit) before achieving their optimal performances.

## **7 - MAINTENANCE**

The GOLDMUND SRP2.3 preamplifier usually requires no maintenance. For the audio purists who want to keep their preamp sounding as new, we only recommend that after a year or two, you have a technician or an official GOLDMUND representative readjust the DC offset. This very simple operation takes only two minutes and will give you the safety of long years of unmatched sound quality.

To clean your preamplifier use only a soft, slightly wet cloth. Always turn the power off before cleaning your preamplifier.

## **TECHNICAL DATA**

### **OUTPUT LEVEL**

- Nominal level : 0.63 V RMS.
- Maximum output level : 3 V RMS.
- Output stage output impedance : < 10 Ohms.
- Corrected output impedance # 330 Ohms.

### **FREQUENCY RESPONSE**

These values for any level to 17 V RMS.

- +/- 0.1 dB, 10 Hz - 100 kHz.
- +/- 1 dB, 6 Hz - 300 kHz.
- +/- 3 dB, 3 Hz - 0.65 MHz.

### **INPUT SENSITIVITY**

- Nominal level : 150 mV.
- Saturation level : 6 V RMS.
- Nominal input impedance : 50 kOhms.

### **GROUP DELAY**

Propagation delay < 300 ns stable with frequency from DC to 200 kHz.

### **DISTORTION**

Figures valid for all levels from 0 to 25 V.

- Dynamic : TID < 0.01 % (- 80 dB).
- Static : THD < 0.01 % (- 80 dB).

### **SPEED**

- Slew rate of the amplification stages : > 500 V/us
- Rise time : < 700 ns.

### **CROSSTALK**

- Separation : > 90 dB between channels.

### **NOISE**

- Signal-to noise ratio on line input : > 85 dB (0.01 Hz - 10 Mhz).
- Weighted ASA A : > 100 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).

### **POWER SUPPLY**

- Nominal line voltage : 110 or 220 V.
- Input voltage range : +/- 15 %.
- Maximum power consumption : 10 W.

### **GROUNDING**

- Common ground and earth.
- Chassis connected to signal grounding.

**FRONT PANEL CONTROLS**

- VOLUME control.
- SELECTOR switch.

**REAR PANEL CONNECTORS AND CONTROLS**

- AC line connector 3 lugs.
- Output and input connectors RCA (right and left), 3 Digital optional inputs RCA.

**SIZE AND WEIGHT**

- 44 cm W x 30 cm D x 6 cm H.
- Weight : 4 kG.

**WARRANTY**

- 3 years parts and labor.