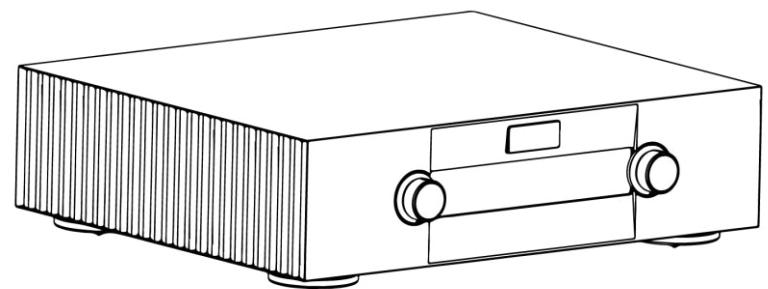


USER MANUAL

OURANOS EXCELLENCE
Acoustic Processor



Thank you for purchasing the GOLDMUND OURANOS EXCELLENCE.

Please take some time to read this manual. It will provide you with useful information to make your pleasure of listening to the OURANOS EXCELLENCE even higher.

INTRODUCTION

OURANOS EXCELLENCE ACOUSTIC PROCESSOR

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 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. Therefore, Goldmund has often rejected mainstream technologies and developed its own.

! W A R N I N G !

Absolutely no connections or manipulations should be attempted prior to thoroughly reviewing these instructions. Failure to adhere to the subsequent instructions may lead to damage to the processor.

These exceptionally high-quality processors incorporate novel technical advancements that are imperative for achieving precise sound reproduction within top-tier audio systems.

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

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

IMPORTANT

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

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1

PRELIMINARIES

Please read the following instructions very carefully. This high-precision unit will provide the best signal possible to your speakers thanks to its unique technology.

For exacting technicians, musicians, and all high-fidelity music purists who demand the very best in musical reproduction, we strongly recommend the use of top-quality speakers and power amplifiers, since most of the digital signal performance delivered by the Ouranos Excellence acoustic processor can be eroded by using lower quality equipment.

The connection between the analogue and digital sources and the acoustic processor as well as between the Ouranos Excellence and the power amplifiers/active speakers are critical. Ultra low reflection interconnect cables are absolutely mandatory in analogue and precise impedance S/PDIF cables in digital to keep the time integrity that the acoustic processor is designed to provide.

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UNPACKING

You will find in the GOLDMUND OURANOS EXCELLENCE box:

- The processor
- The power cord
- The remote control
- This manual

Unpack the above-mentioned parts carefully and keep all packaging for future use.

WARNING

If you need to return the OURANOS EXCELLENCE 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 specifically designed to protect your OURANOS EXCELLENCE in transit. Use of alternative packaging is likely to result in damage, invalidating warranty coverage.

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DEVICE LOCATION

Due to its weight, and to maximize the effect of the built-in "Mechanical Grounding" construction, the unit is better located on a very strong support that offers rigid transmission of vibrations to the floor.

The Ouranos Excellence is built on four very hard conical feet to ensure proper vibration transmission to the processor support. This evacuates all detrimental vibrations inside the processor, following GOLDMUND's "Mechanical Grounding" principle.

Depending on the flatness of the surface where the processor will be located, you will adjust the four round flat feet of the processor to allow full contact of the points with the support.

Ouranos Excellence processor must be vented properly. Avoid any location which is not properly ventilated.

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LINE VOLTAGE ADJUSTMENTS

Ouranos Excellence is equipped with multiple high-performance power supplies, each developed by Goldmund to deliver completely isolated voltage to the different sections of the digital and analogue circuitry. This ensures optimal performance, signal purity, and minimal interference. Your unit's power supply has been preconfigured to match the mains voltage of your region. If you are unsure about the voltage setting, please check the power supply voltage selector at the rear of the processor.

If you relocate after purchase to a region with a different AC mains voltage, contact your local Goldmund dealer for guidance and assistance in reconfiguring the unit. The power supply is compatible with both 50 Hz and 60 Hz mains frequencies.

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CONNECTIONS

POWER ON/OFF

- Connect the power cord to the rear panel of the processor and plug it into a nearby wall socket.
- For safety, use only a three-prong grounded plug. To ensure optimal sound quality, avoid using multi-plug adapters or extension cords.
- Turn the device ON or OFF using the power switch located at the rear of the processor.
- For best sonic performance, Goldmund recommends leaving the unit powered on continuously.

Ensure all connections are made before powering on the product. When changing the audio format, we recommend pausing the audio stream beforehand. This helps prevent any unintended audio artifacts that may occur during the format transition.

Please note that the device is shipped without any configuration. A custom configuration or the selection of a preset configuration is required before operating the unit. For assistance, please contact your Goldmund representative.

SOURCE CONNECTION

Connect your analogue and digital sources to the corresponding inputs located on the rear panel of the Ouranos Excellence processor:

- **Analogue Sources:** Use the RCA connectors labeled ANA 1 to ANA 3.
- **Digital Sources:** Use S/PDIF (DIG 1 to DIG 4), Optical (OPT 1 & OPT 2), HDMI (HDMI 1 to HDMI 4), or USB Type-B connectors.
- **HDMI OUT:** When connected to a device operating in eARC/ARC mode, this connector automatically switches to input mode. In this configuration, the output functions as an additional HDMI input, labeled HDMI 5.

CONFIGURATIONS

Wiring configurations are available on the Goldmund Configurator software. Refer to the Configurator User Guide for detailed instructions. For further assistance, please contact your official Goldmund distributor.

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CONNECTIONS (Ctd.)

STANDBY

- To enter standby mode, simultaneously press the left and right rotary knobs on the front panel.
- Alternatively, press and hold the STDBY button on the remote control to enter or exit standby mode.
- The display will indicate "Sby" when the unit is in standby mode.

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CONTROLS & USE

FRONT PANEL FUNCTIONS

DISPLAY

The display shows different kind of information.

- LEFT SIDE
 - current input source (01–05)
 - balance value (00-99) in balance mode
 - blank in standby mode
- RIGHT SIDE
 - volume level (00–99)
 - “–” when muted
 - balance mode when adjusting balance (use the << or >> or VOL + or VOL- to set the balance)
 - “||” for Left/Right (LR)
 - “=” for Front/Rear (FR)
 - “CE” for Center
 - “SU” for Subwoofer
 - blank in standby mode

The front panel displays the format of the incoming audio stream.

Output behavior is determined by the stereo and multichannel settings defined in the configurator.

The multichannel configuration is based on an 8-channel layout (7.1): Front Left and Right, Surround Left and Right, Back Left and Right, Center, and Subwoofer.

Any incoming signal is automatically downmixed or upmixed to match one of the two operating modes: stereo or 7.1 multichannel.

CONTROLS & USE (Ctd.)

- **LABELS**
 - selected input: Digital / Optical / USB / HDMI / Analogue.
 - detected input audio format:
 - 2.0 for Analogue/USB (PCM)
 - 2.0/5.1 Digital/optical (PCM, Dolby and DTS)
 - 2.0/5.1/7.1 for HDMI (PCM, Dolby and DTS)
 - detected embedded audio encoding codec type: PCM / DTS / Dolby / DTS-HD / Dolby-HD.
 - Error or Standby depending on system status.

INPUT SELECTION

- Rotate the left knob clockwise to select the next input, or counterclockwise to select the previous input.
- Input sequence: DIG 1 → DIG 2 → DIG 3 → DIG 4 → OPT 1 → OPT 2 → USB → HDMI 1 → HDMI 2 → HDMI 3 → HDMI 4 → HDMI 5 (eARC/ARC) → ANA 1 → ANA 2 → ANA 3

BALANCE ADJUSTMENT

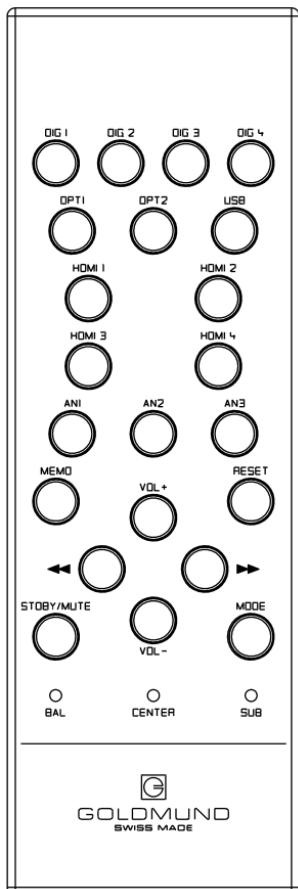
- Press and hold the left knob for approximately 3 seconds to enter balance adjustment mode.
- Rotate the knob to shift the balance between the left and right channels.

VOLUME ADJUSTMENT

- Rotate the right knob clockwise to increase the volume, and counterclockwise to decrease it. Volume range: 00 to 99.

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CONTROLS & USE (Ctd.)

**MUTE**

Press the left knob to mute/unmute.

VOLUME RESET

Press the right knob to reset the volume to the previously saved memo value. If no value is saved, volume resets to 0.

VOLUME MEMO

Press and hold the right knob to save the current volume level as a memo value. The volume display will blink briefly to confirm that the value has been stored.

REMOTE CONTROL FUNCTIONS**INPUT SELECTION**

- Select an input source using the respective buttons:
- HDMI 1 / HDMI 2 / HDMI 3 / HDMI 4 / HDMI 5 (eARC/ARC) / DIG 1 / DIG 2 / DIG 3 / DIG 4 / OPT 1 / OPT 2 / USB / ANA 1 / ANA 2 / ANA 3

BALANCE MODE

Press the MODE button to cycle through the following balance modes:

- BAL: Left/Right and Front/Rear balance
- SUB: Subwoofer balance
- Normal: Exit balance mode

BALANCE ADJUSTMENT

- Enter Balance Mode and press VOL + or VOL – to increase or decrease the selected balance (FR, Center, or Subwoofer).
- Enter Balance Mode and press << or >> to adjust the Left/Right balance.

BALANCE RESET

- To reset FR, Center, or Subwoofer balance to the default center value (50), enter Balance Mode and press VOL + and VOL – simultaneously.
- To reset Left/Right balance to the default center value (50), enter Balance Mode and press << and >> simultaneously.

VOLUME ADJUSTMENT

Press VOL + to increase the volume.

Press VOL - to decrease the volume.

MUTE

Short press the MUTE button to mute/unmute.

VOLUME RESET

Press RESET to restore the saved volume setting. If no volume has been saved, the default value applied is 0.

VOLUME MEMO

Press MEMO to save the current volume setting for future recall.

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SOUND QUALITY OPTIMIZATION

The Ouranos Excellence, like all high-performance processors, requires proper ventilation.

Due to its weight and to maximize the efficiency of its Mechanical Grounding system, the unit must rest on a sturdy support that ensures rigid transmission to the floor.

The processor features four ultra-hard conical feet for effective vibration evacuation. Depending on surface flatness, adjust the conical feet to ensure full contact between the points and the support for optimal stability.

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MAINTENANCE

The Ouranos Excellence processor typically requires no maintenance.

To clean the surface, use a clean, soft, damp cloth moistened with water or a mild detergent. Avoid abrasive or harsh cleaners, especially those containing sodium carbonate.

The identification plaque is coated with precious materials and must be handled with great care. Avoid touching or cleaning it whenever possible. If necessary, gently blow off dust or use a soft, dust-attracting mop with minimal pressure. Finish with a light wipe using a clean, untextured microfiber cloth (like those for eyeglasses). Do not use any cleaning products on the plaque.

WARNING

Always power off the device before cleaning.

The Ouranos Excellence contains no user-serviceable parts. Any unauthorized servicing or modification will void the manufacturer's warranty.

TECHNICAL SPECIFICATIONS

INPUTS

- 7 x Digital Inputs (audio up to 192kHz/24 bits)
 - DIG 1 RCA S/PDIF
 - DIG 2 RCA S/PDIF
 - DIG 3 RCA S/PDIF
 - DIG 4 RCA S/PDIF
 - OPT 1 TosLink Optical
 - OPT 2 TosLink Optical
 - USB Type B Audio (compatible up to DSD128 over PCM).
 - USB Type-C (serial communication and system updates only)
- 5 x HDMI Inputs (HDMI 2.1 - HDCP 1.4/2.3)
 - HDMI 1
 - HDMI 2
 - HDMI 3
 - HDMI 4
 - HDMI OUT / HDMI 5 only in (eARC/ARC) - (4K2K Video up to 60 Hz frame rate)
- 3 x Analogue Inputs
 - ANA 1 RCA
 - ANA 2 RCA
 - ANA 3 RCA

OUTPUTS

- 8 x digital RCA S/PDIF outputs with 2 channels for each -> Audio output
- 1 x HDMI OUT -> Video output (HDMI input in eARC/ARC mode)

TECHNICAL SPECIFICATIONS (Ctd.)

FRONT PANEL CONTROL

- 2 knobs for input selection, volume and balance control
- Display for input selection, balance, volume, and input audio format
- IR Receiver (receives signals from the remote control)

REMOTE CONTROL

- Input Selection: HDMI 1 / HDMI 2 / HDMI 3 / HDMI 4 / DIG 1 / DIG 2 / DIG 3 / DIG 4 / OPT 1 / OPT 2 / USB / ANA 1 / ANA 2 / ANA 3
- Balance Mode, Balance Adjustment, Balance Reset
- Volume Adjustment, Mute, Volume Reset, Volume Memo
- Standby

COMPATIBILITY

- PCM 2/0
- Multi-CH PCM (7.1)
- DTS
- DTS HD
- Dolby
- Dolby HD

TECHNICAL SPECIFICATIONS (Ctd.)

POWER

- Nominal line voltage: 115 V or 230 V (switchable)
- Input voltage range: +/- 15 %
- Maximum power consumption: 15 W
- Use an 1,6 A delayed fuse

SIZE & WEIGHT

- 44 W x 13 H x 40 D (cm)
- 17.32 W x 5.12 H x 15.67 D (in)
- 16.3 Kg



Information and product specifications contained in this manual are subject to change without prior notice.

Visit our website at www.goldmund.com