

TELOS 9800

Ultimate Power Amplifier



GOLDMUND
SWISS MADE

THE GOLDMUND PHILOSOPHY	Our Vision	6
	Crafted in Switzerland	7
	The Story of the Product	8
	Product Legacy	8
	Why this Product Exists	11
	Design & Engineering	12
	Design Vision	12
	Engineering Philosophy	14
OWNERSHIP EXPERIENCE	Unboxing & Handling	16
	Product Architecture	17
	Installation	20
	Positioning	21
	Ventilation & Cooling	22
	Mechanical Grounding	24
	Electrical Requirements	26
	Connections	27
	First Listening Session	28
	Daily Operation	29
	Care & Maintenance	30
TECHNICAL REFERENCE	Protection & Safety	32
	Operating Functions	33
	Front Panel	33
	Rear Panel	34
	Power & Standby	36
	Display & Settings	38
	Status Indicators	39
	Technical Specifications	42
	Service & Support	44

THE GOLDMUND PHILOSOPHY

Music has the power to move us.

To transport us.

To reconnect us
with a moment, a place,
an emotion.

And sometimes, to leave
a lasting mark.

Yet music is never experienced
in exactly the same way.

Our Vision

It is shaped by our attention,
our environment and the conditions
in which we listen.

For more than four decades,
Goldmund has explored
how engineering can create
those conditions.

Not to change music.

But to transform the experience
of listening.

CRAFTED IN SWITZERLAND

Every Goldmund product is conceived, engineered, and assembled in Switzerland.

From its earliest days, Goldmund has embraced a culture of scientific rigor, engineering excellence, and uncompromising attention to detail.

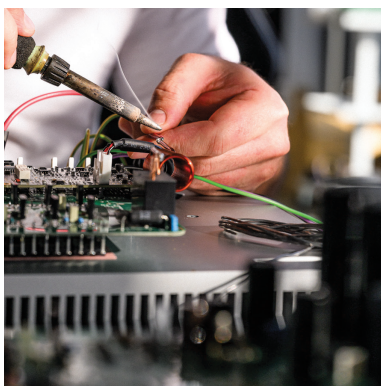
Over the years, we have continuously invested in research and development to advance the performance of audio reproduction. Many of the technologies found in our products were developed in-house, driven by a desire to explore new solutions and push beyond established limits.

This culture of innovation continues to guide every product we create, bringing listeners closer to the full richness of music.

DR VÉRONIQUE ADAM,
HEAD OF ACOUSTICS —
GENEVA, SWITZERLAND

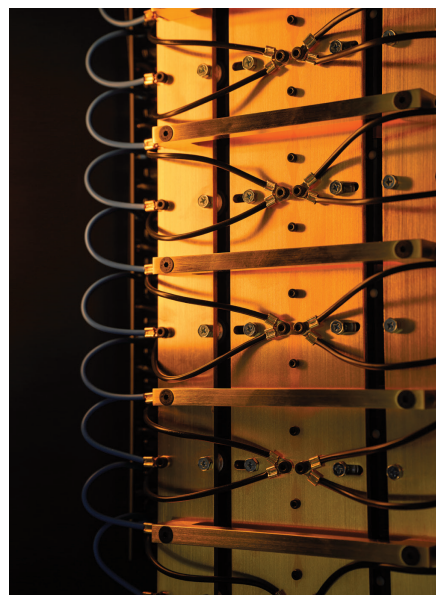


7



ELECTRONIC ASSEMBLY —
GENEVA, SWITZERLAND

TELOS 8800 — INTERNAL
ARCHITECTURE



PRODUCT LEGACY

Although the Telos name was introduced in 2005, the technology behind it traces its origins back several decades.

Built on Goldmund's continuous research into amplification, Telos was developed around a clear objective: improving the control of loudspeakers while preserving the integrity of the musical signal.

Over the years, successive generations of Telos amplifiers have pushed the boundaries of power, speed, transparency, and loudspeaker control, establishing

Telos as the foundation of Goldmund's reference amplification systems.

From the Telos 600 to today's Telos 9800, each generation has contributed to a continuous pursuit of precision and listening performance.



The story
of the product

2005

THE BIRTH OF TELOS



TELOS 600

Capable of delivering up to 600 watts of peak power in a reference monoblock design, the Telos 600 embodied more than twenty years of research into amplification technology.

Originally developed under the Mimesis range, its architecture introduced the principles that continue to define Telos today: ultra-wide bandwidth, low distortion, and exceptional loudspeaker control.

A foundation upon which every generation of Telos amplification has since been built.



2008

THE FIRST FLAGSHIP OF THE TELOS ERA

TELOS 5000

Developed without compromise, the Telos 5000 demonstrated the full potential of Goldmund's amplification technology.

Combining extraordinary power, transparency, and loudspeaker control, it established a new benchmark for reference amplification and laid out the foundation for the generations that followed.

9

2020

A NEW GENERATION OF RELIABILITY AND PERFORMANCE

TELOS 5500 NEXTGEN

Building upon the legacy of the Telos 5000, the Telos 5500 NextGen introduced a more refined and industrialized architecture while further advancing power delivery and system stability. Delivering 1000 Wrms into 8 ohms, it became Goldmund's reference amplifier for many years.



2023

A COMPLETE RETHINKING OF THE REFERENCE PLATFORM



TELOS 8800

Designed to push performance even further, the Telos 8800 introduced a new architecture delivering 1,400 Wrms into 8 ohms, representing a 40% increase in power over its predecessor.

It also introduced an autonomous protection system against overloads and short circuits, together with a major redesign of the power paths to reduce internal losses and further improve efficiency and control.

2026

THE CULMINATION OF A JOURNEY

TELOS 9800

Building upon the foundations of the Telos 8800, the Telos 9800 introduces a completely redesigned platform.

For the first time, the power supply and amplification stages are housed in separate enclosures, allowing each function to operate under optimal conditions.

A completely redesigned power stage combines next-generation MOSFET output devices with more powerful transformers, increased energy reserves, and a newly developed SoftStart circuit. Together, these developments provide greater stability, faster transient response, and enhanced loudspeaker control, creating the conditions for a more natural and faithful musical reproduction.

Developed in collaboration with designer Cécile Barani, the Telos 9800 also introduces a new mechanical architecture and refined aesthetic language.

Delivering 1,560 Wrms into 8 ohms, it represents the most advanced expression of Goldmund amplification research to date.



WHY THIS PRODUCT EXISTS

Every generation of Goldmund's flagship amplifier begins with the same question:

How can we bring listeners *closer* to the full *richness* of music?

Following the success of the Telos 8800, our engineers set out to further evolve our reference amplification platform. The ambition was never simply to deliver more power, but to rethink every aspect of its architecture in pursuit of a listening experience of greater clarity, control, and presence.

From its mechanical architecture to its energy management and amplification stages, every evolution was driven by a single purpose: to reveal more of the music's dynamics, nuance and emotional depth while preserving absolute precision under every listening condition.

The Telos 9800 is the latest expression of this continuous pursuit: the most accomplished embodiment of Goldmund's engineering philosophy, created to reveal more of the music and transform the experience of listening.

DESIGN VISION

The Telos 9800 represents a singular expression of Goldmund's approach to design.

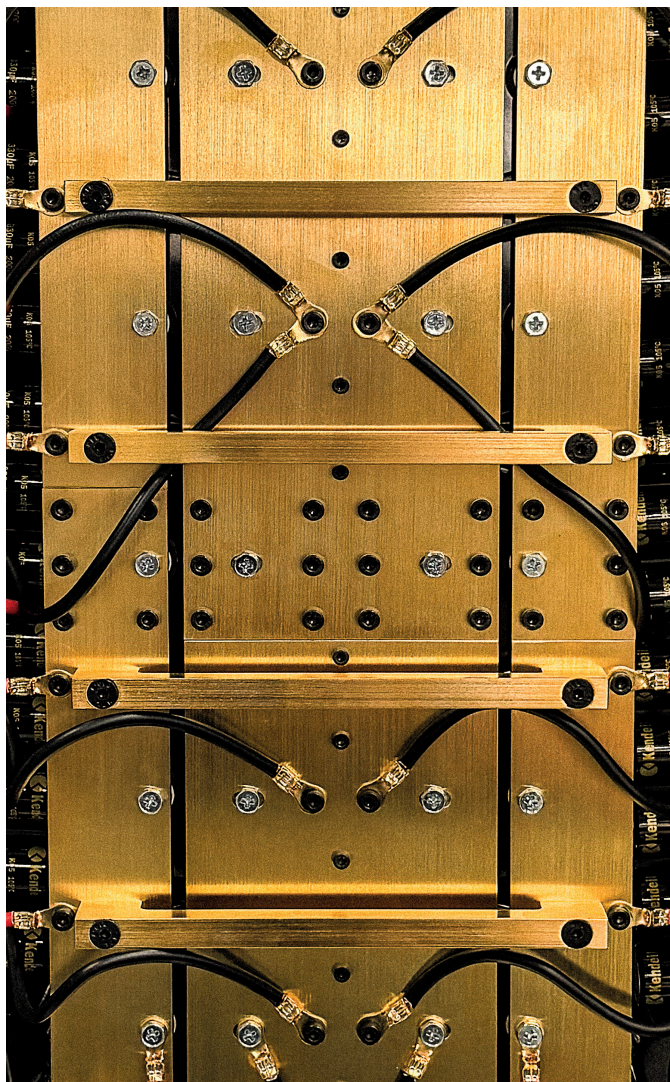
Its architecture is defined by two distinct yet interconnected volumes, separating the power supply from the amplification stage while creating a striking visual presence. This dual-chassis construction transforms a technical requirement into a sculptural form, where engineering and aesthetics are seamlessly integrated.

Every proportion, surface, and detail has been carefully considered to create a sense of harmony, precision, and permanence. A re-designed digital display integrates seamlessly into the purity of the overall design, reinforcing the product's clean and understated aesthetic.

At the junction between the two enclosures, a single gold plate provides a discreet visual signature. It is not intended to draw attention, but to reward it. Like the finest nuances within a musical performance, it reveals itself gradually to those who choose to look more closely.



Design & engineering



13

This detail reflects a philosophy that has shaped Goldmund since its beginnings: what matters most is not always immediately visible.

Beyond its sculptural form lies decades of research, engineering, and craftsmanship, all devoted to a single ambition: to bring listeners closer to the original emotion of music. Some things cannot be fully explained. They can only be experienced through listening.

ENGINEERING PHILOSOPHY

At Goldmund, innovation is rarely the result of a single breakthrough. It is the outcome of countless refinements, each carefully measured, evaluated, and integrated into the whole.

For the Telos 9800, every subsystem was re-engineered with the same objective: enhancing the amplifier's ability to reproduce music with greater precision, stability, and control.

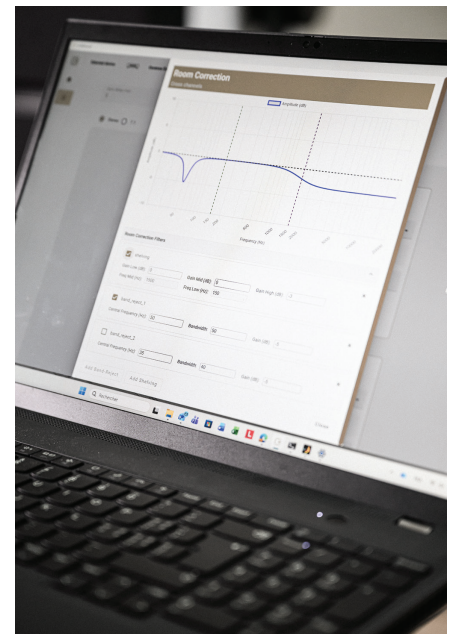
Mechanical architecture, power delivery, amplification stages and energy management were developed as one coherent system, where every improvement reinforces the others.

A comprehensive study of the materials used throughout the amplifier was also carried out, with particular attention paid to electrical conductivity and vibration damping. Every material and structural element was meticulously simulated, analyzed, measured, and validated to ensure optimal performance.

This holistic approach allows the Telos 9800 to deliver exceptional dynamics, effortless authority, and remarkable musical realism, enabling every recording to unfold with remarkable scale, texture, and emotional depth.



DR VÉRONIQUE ADAM,
ACOUSTIC TESTING —
GENEVA, SWITZERLAND



OWNERSHIP EXPERIENCE

15

UNBOXING & HANDLING

A CONSIDERED BEGINNING

Every remarkable listening experience begins long before the first note is heard.

Before installation, take a moment to discover the Telos 9800. Take time to discover its architecture, materials, and craftsmanship.

Because every remarkable experience begins with careful preparation.

PACKAGE CONTENTS

Your Telos 9800 package includes:

- Amplifier Unit
 - Power Cables
 - Owner Certificate
-

KEEP THE ORIGINAL PACKAGING. IT HAS BEEN SPECIFICALLY DESIGNED TO PROTECT YOUR TELOS 9800 THROUGHOUT ITS LIFETIME.

HANDLING

The Telos 9800 is a precision-engineered amplifier.

Due to its size and weight, the Telos 9800 must always be installed by at least two trained technicians using appropriate lifting equipment.

Always lift the product by supporting it from underneath the lower chassis. Never lift or carry it by the opening between the two enclosures, and never apply pressure to the display, connectors, or decorative elements.



PRODUCT ARCHITECTURE

ONE
ARCHITECTURE.
TWO DEDICATED
FUNCTIONS.
ONE MUSICAL
AMBITION.

The Telos 9800 combines a dedicated power supply and amplification stage within one unified architecture.

Designed to optimize performance at every level, this unique construction reflects Goldmund's commitment to precision, transparency, and a deeper connection to music.



INSTALLATION

EVERY LISTENING *EXPERIENCE* BEGINS WITH ITS *ENVIRONMENT*

20

Before connecting your Telos 9800, take the time to plan its installation carefully. A stable position, adequate ventilation, and thoughtful placement create ideal conditions for long-term reliability, ease of use and consistent operation.

The following recommendations will help you achieve the performance for which your amplifier has been designed.

POSITIONING



MUSIC DESERVES A PLACE DESIGNED FOR LISTENING

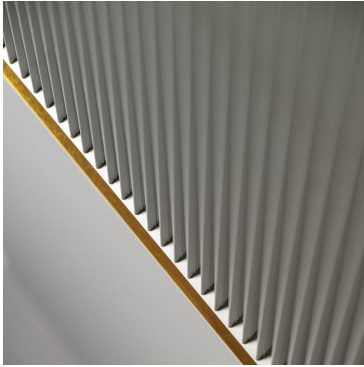
Every listening room has its own character, and every installation contributes to the overall experience. Careful positioning ensures optimal operating conditions while providing easy access for installation, daily use, and future servicing.

For the best installation, we recommend:

- Position the amplifier on a perfectly rigid, and level surface capable of supporting its weight.
- Install the amplifier as close as possible to the loudspeakers in order to minimize speaker cable length.
- Ensure unrestricted access to the rear panel for connections and maintenance.
- Avoid installation near direct heat sources, excessive humidity or direct sunlight.
- Do not expose the amplifier to excessive vibration or unstable supports.

VENTILATION & COOLING

High-performance electronics generate heat during operation. Proper ventilation is essential to ensure consistent operation and long-term reliability.



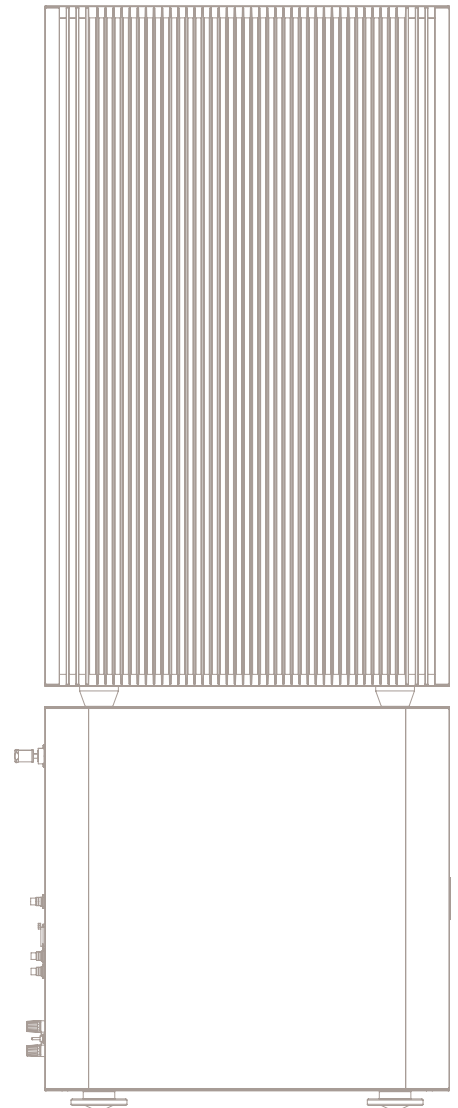
HEATSINK — TELOS 9800

Always leave sufficient clearance around the amplifier to ensure proper airflow. Never install the product inside an enclosed cabinet unless adequate ventilation is provided.

For optimum cooling:

- Leave the recommended clearance around all sides of the amplifier.
- Maintain a clean, dust-free environment around the cooling surfaces.

LASTING PERFORMANCE
REQUIRES ROOM
TO BREATHE





MECHANICAL GROUNDING

Mechanical Grounding is one of Goldmund's defining engineering principles. By managing unwanted vibrations throughout the amplifier's structure, it helps preserve the mechanical stability required for consistent operation and long-term accuracy.

For optimum effectiveness:

- Always install the amplifier on a rigid, non-resonant surface.
- Ensure that all feet are in full contact with the supporting surface.
- Never place soft or compliant materials beneath the amplifier unless specifically recommended by Goldmund.
- Avoid moving the amplifier once installation has been completed. To help protect delicate floor surfaces during installation, protective floor cups may be placed beneath the feet. These accessories are not supplied by Goldmund.

*PRECISION
RESTS ON
A STABLE
FOUNDATION*





ELECTRICAL REQUIREMENTS

The Telos 9800 has been designed to operate under carefully controlled electrical conditions. Providing a stable and properly grounded power supply ensures safe operation and allows the amplifier to perform as intended.

Before connecting the amplifier:

- Verify that the mains voltage corresponds to the specifications indicated on the product.
- Connect the amplifier only to a properly grounded outlet. Whenever possible, Goldmund recommends connecting each amplifier to its own dedicated AC power line to ensure the best operating conditions and maximize performance.
- Avoid extension cords or multi-outlet adapters whenever possible.
- Do not connect or disconnect cables while the amplifier is powered on.

If in doubt, consult your authorized Goldmund dealer before installation.



REAR PANEL CONNECTIONS
— TELOS 9800



RELIABLE POWER ENABLES
UNCOMPROMISING PERFORMANCE

CONNECTIONS

EVERY CONNECTION
BRINGS THE SYSTEM
TO LIFE

Each connector has been positioned to ensure intuitive integration within your audio system while preserving signal integrity.

Refer to the annotated rear panel on page 35 before making any connections.



FIRST LISTENING SESSION

FAMILIAR RECORDINGS *REVEAL* UNEXPECTED *DISCOVERIES*

28



The first listening session is an invitation to rediscover the music you already know.

Rather than searching for new recordings, begin with those that have accompanied you over the years. Familiar voices, instruments, and performances provide the most meaningful reference, allowing the Telos 9800 to uncover subtle details, spatial depth, and musical textures that may previously have gone unnoticed.

For the best experience, we recommend:

- When the amplifier has not been used recently, allow approximately 10 to 15 minutes for it to reach its optimum operating temperature before critical listening.
- Begin at a moderate listening level.
- Listen across a variety of musical styles and recording qualities.
- Take time to listen before making any adjustments to your system.

DAILY OPERATION

SIMPLICITY
LETS THE
MUSIC TAKE
CENTER STAGE

The Telos 9800 has been designed to make everyday operation intuitive and effortless. Once installed, the amplifier requires very little interaction, allowing your attention to remain focused on the music.

For everyday use, we recommend:

- Power on your source components before switching on the amplifier.
- Allow the amplifier a few minutes to reach its optimum operating temperature before critical listening.
- Use Standby mode whenever the system is not in use for extended periods.

DETAILED
OPERATING
FUNCTIONS
AND TECHNICAL
INFORMATION
CAN BE FOUND
IN THE
TECHNICAL
REFERENCE
SECTION
(P31-44).

29



FRONT PANEL
— TELOS 9800

CARE & MAINTENANCE

CARE
PRESERVES
EXCELLENCE
OVER TIME

Designed to provide decades of listening enjoyment, the Telos 9800 requires only minimal maintenance to preserve both its appearance, and operating integrity.

Regular care helps protect the precision of its finishes while ensuring optimal operating conditions throughout its lifetime.

We recommend:

- Clean aluminum surfaces using a soft, dry microfiber cloth.
- Never use abrasive products or solvent-based cleaners.
- Clean the gold plate only with a soft microfiber cloth, similar to those used for eyeglasses or camera lenses. Avoid rubbing the surface, as its delicate finish may be scratched. If moisture is present, dry the surface immediately with a clean, dry cloth.
- Preserve the original flight case and packaging for future transportation or servicing.
- Contact an authorized Goldmund partner for any service requiring the amplifier to be opened.

TELOS 9800 —
GENEVA, SWITZERLAND



TECHNICAL REFERENCE

PROTECTION & SAFETY

The Telos 9800 incorporates multiple integrated safeguards designed to protect both the amplifier and the loudspeakers under abnormal operating conditions. These systems operate automatically and require no user intervention.

The amplifier is protected against:

- Excessive operating temperature
- Overcurrent conditions
- Output short circuits

If a safeguard is activated, the amplifier automatically enters a safe operating state. Before restarting the system, verify all speaker and source connections. Should the condition persist, disconnect the amplifier from the mains and contact your authorized Goldmund dealer.

SAFETY RECOMMENDATIONS

- Never connect or disconnect cables while the amplifier is powered on.
 - Never short-circuit the speaker terminals.
 - Always connect the amplifier to a properly grounded AC outlet.
 - Do not open the enclosure or attempt to service the amplifier yourself.
 - Do not operate the amplifier without either an input signal or the supplied Goldmund termination plug connected to the input.
-

OPERATING FUNCTIONS

The Telos 9800 has been designed to provide a simple and intuitive user experience. The following pages describe the Telos 9800's operating interface and primary functions.

Each control has been designed for intuitive operation while preserving the Telos 9800's minimalist design language.

INTUITIVE OPERATION KEEPS THE FOCUS ON LISTENING

FRONT PANEL

STATUS INDICATOR

LEFT BUTTON

to navigate into the menu to select the input, input's gain, and brightness adjustment.

RIGHT BUTTON

to select the digital left/right input, analog input (RCA & XLR), set the inputs gain and mute/unmute the amplifier.



OPERATING FUNCTIONS



34

CONNECTION OVERVIEW

The rear panel has been designed to ensure clear system integration while maintaining the shortest possible signal path.

POWER ON

Every listening session begins with a controlled start-up.

When the amplifier is switched on, it automatically performs a controlled start-up sequence. During this process, the internal power supply is progressively initialized, and the amplifier performs a series of automatic system checks before becoming fully operational.

For optimum sound quality, allow the amplifier approximately ten to fifteen minutes to reach its optimal operating temperature before critical listening.

STANDBY

Standby keeps the system ready for the next listening session.

Standby mode keeps the amplifier powered in a low-energy state, allowing it to return quickly to operation. The amplifier enters Standby automatically once the controlled shutdown sequence has been completed.

For everyday use, Goldmund recommends placing the amplifier in Standby rather than disconnecting it from the AC mains. This maintains stable operating conditions while reducing the warm-up time before listening.

When used with compatible Goldmund components, the amplifier can also be controlled automatically via the Trigger input.

POWER OFF

A controlled shutdown preserves long-term reliability.

When the amplifier is switched off, it automatically performs a controlled shutdown sequence.

During this process, the internal power supply is progressively discharged to protect the amplifier's electronic circuitry before the shutdown sequence is completed and the amplifier enters Standby.

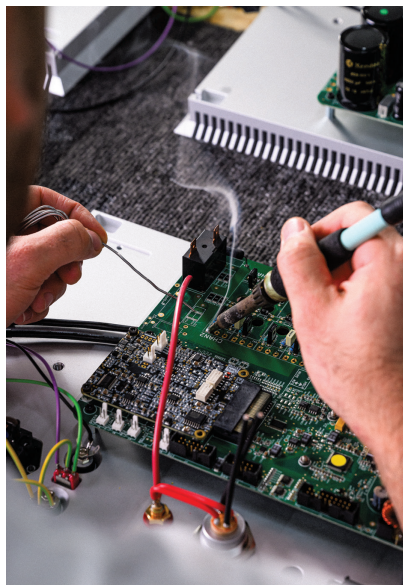
Allow the shutdown sequence to complete before disconnecting the amplifier from the AC mains.

The complete discharge cycle typically takes approximately six and half minutes.



RECOMMENDATIONS

- Press both front-panel Power buttons simultaneously to switch the amplifier on or off.
- Wait until the start-up or shutdown sequence has completed before operating or disconnecting the amplifier.
- Use Standby between listening sessions whenever possible.
- Disconnect the amplifier from the AC mains only if it will not be used for an extended period.
- If disconnecting the amplifier from the AC mains, always allow the discharge cycle to complete first.



DISPLAY & SETTINGS

The front display provides clear information about the amplifier's operating status and selected functions.

Depending on the final system configuration, the display may provide access to:

- Operating mode
- Input selection
- Gain settings
- Display brightness
- Protection status

To access the system settings, place the amplifier in Mute mode.

Use the left front-panel button to navigate through the available menu items. Press the right button to adjust the selected setting, then press the left button again to confirm your selection.

The available settings include:

- Input selection: Analog RCA, Analog XLR, Digital S/PDIF Left or Right
- Input gain: Independent adjustment from -9 dB to +9 dB, in 3 dB increments
- Display brightness

Press the right front-panel button to return to normal operation.

STATUS INDICATORS

The status indicator communicates the operating condition of the amplifier at a glance.

Their colors and behaviors are described below.

STATUS INDICATOR	MEANING
ORANGE	Standby. The indicator blinks briefly every 3 seconds when the amplifier is connected to the AC mains and remains in Standby.
GREEN	The amplifier is powered on and ready for operation.
ORANGE (DIGITAL MODE)	Illuminated when a valid digital signal lock is detected. If no lock is present, the amplifier remains muted until a valid signal is received.
ORANGE (ANALOG MODE)	Remains illuminated during normal operation.
RED	Safety Mode. A protection circuit has been activated, and a message is displayed on the front panel.



TECHNICAL SPECIFICATIONS

OUTPUT PERFORMANCE

SPECIFICATION	VALUE
CONTINUOUS OUTPUT POWER (8Ω)	1,560 Wrms
CONTINUOUS OUTPUT POWER (4Ω)	2,520 Wrms
CONTINUOUS OUTPUT POWER (2.7Ω)	3,250 Wrms
CONTINUOUS OUTPUT POWER (1.4Ω)	4,180 Wrms
DAMPING FACTOR	900 at 1 kHz / 8 Ω
THD + N, UNLOADED	< 0.005% from 20 Hz to 20 kHz at 30 Vrms output
IMD (SMPTE), UNLOADED	< 0.01%
OUTPUT FLOOR NOISE	Analog input terminated with RCA Shorting Caps, unloaded: < 3 µV from 20 Hz to 20 kHz
GAIN	35 dB, +/- 9 dB (adjustable in steps of 3 dB for each input)
INPUT	Max level before clipping: Analog input: 2 Vrms Digital input: 0 dBFS
MAXIMUM OUTPUT VOLTAGE	Bridge mode: Max level before clipping: 1% THD, unloaded: 375 Vpp
SLEW RATE	18 V/µS

AMPLIFICATION ARCHITECTURE

SPECIFICATION	VALUE
CONFIGURATION	Monoblock Power Amplifier
ARCHITECTURE	Proprietary Symmetrical Architecture
POWER STAGE	Fully Symmetrical Design
POWER SUPPLY	Controlled Energy Management System
POWER TRANSFORMERS	High-Performance Custom Transformers
ENERGY STORAGE	High-Capacity Capacitor Bank
PROTECTION	Thermal, Overcurrent & Short-Circuit

CONNECTIVITY

SPECIFICATION	VALUE
ANALOG INPUTS	XLR / RCA
DIGITAL INPUT	S/PDIF
DIGITAL OUTPUT	S/PDIF
SPEAKER OUTPUTS	Goldmund 4B + Binding Posts
TRIGGER	Yes
RS232	Yes

POWER

SPECIFICATION	VALUE
NOMINAL VOLTAGE	115 V / 230 V
FREQUENCY	50 / 60 Hz
VOLTAGE TOLERANCE	±5%
AC POWER INPUT	IEC grounded connector
MAIN FUSE	115V: F1: 20A ; F2: 5A ; F3: 2.5A ; F4: 6A 230V: F1: 10A ; F2: 2.5A ; F3: 1A ; F4: 3.15A
–	Earth and ground

MECHANICAL CHARACTERISTICS

SPECIFICATION	VALUE
CHASSIS CONSTRUCTION	Precision-machined aluminum
COOLING	Natural convection heatsink
MECHANICAL GROUNDING	Goldmund Mechanical Grounding
DIMENSIONS (H X W X D)	1,367 × 500 × 500 mm
WEIGHT	360 kg per unit

*All specifications are measured under controlled laboratory conditions.
Specifications are subject to change without notice as part of Goldmund's continuous product development.*

EXCEPTIONAL CRAFTSMANSHIP DESERVES LASTING CARE	The Telos 9800 has been designed and built to provide decades of exceptional listening performance. Should your amplifier require assistance, maintenance or servicing, Goldmund and its authorized partners are committed to supporting you throughout its lifetime.
WARRANTY	The Telos 9800 is covered by the Goldmund Limited Warranty. To activate your warranty and benefit from dedicated support, please register your product using the QR code provided with your Owner Certificate.
SERVICING	The Telos 9800 contains no user-serviceable components. To preserve its performance, reliability and warranty, servicing must only be carried out by Goldmund or an authorized Goldmund Service Partner. Never open the enclosure or attempt to service the amplifier yourself.
SUPPORT	If you require technical assistance, servicing, or additional product information, please contact: · Your authorized Goldmund dealer · Goldmund Client Service Additional documentation, software updates, and product resources are available on the Goldmund website.

Crafted in Geneva, Switzerland.

Thank you for choosing
Goldmund.

May every listening session be
a moment to remember.

