

ESOTERIC

Grandioso E1
Phonostage Preamplifier

Grandioso T1
Analog Turntable



Revolution Begins

The Grandioso T1, the first analog turntable to celebrate the 35th anniversary of the Esoteric brand, marks a new milestone in vinyl playback with its revolutionary Esoteric MagneDrive System.

This patented, non-contact drive system utilizes magnetic induction to achieve extremely high torque and precise, quiet rotation.

With features such as 10MHz clock synchronization for the motor driver and a three-chassis separate structure, this is a turntable that combines the best of Esoteric's unique design philosophy and mechanical/electronic technology.





Vinyl Renaissance

Following the Grandioso T1, the Grandioso E1 serves as the flagship phono stage preamplifier in the Grandioso series, becoming the best phono stage dedicated to vinyl playback.

The Grandioso E1 provides an unprecedented listening experience,
featuring a unique balanced current input system
for MC cartridges, a dual-chassis configuration
with separate power supply, fully balanced and fully discrete
variable equalizer amplifier circuits, and support for optical cartridges
– innovations that truly embody a renaissance in vinyl playback.



Grandioso T1

Analog Turntable

Key Features

- **“Esoteric MagneDrive System”**: Revolutionary, patented (JP6501130) contact-free drive system.
- **Super High Torque**: Comparable to direct drive, but without the rumble.
- **Magne-Float Platter Technology**: Reduces the platter's effective mass from 19kg to approximately 4kg, minimizing spindle bearing friction.
- **High-End Separate-Units Design**: Comprised of three separate units – main unit, motor unit, and power supply unit for enhanced operational efficiency and sound isolation.
- **VCXO Motor Driver**: A high-quality VCXO motor driver ensures highly accurate platter rotation.
- **Clock Sync Compatibility**: Supports 10MHz Clock Sync with the Grandioso G1X Master Clock for seamless integration.
- **Inverted Bearing System**: Ensures smooth and stable platter rotation.
- **Fine-Tuning Capability**: A front-panel micrometer knob allows precise adjustments to the magnetic force applied by the MagneDrive, tailoring the sonic characteristics to your preferences.
- **Triple-Layered Chassis**: Constructed from aluminum and wood to effectively control vibration, with a mid-chassis finished in luxurious high-gloss piano lacquer.
- **Specialized Isolation Feet**: Equipped with a specialized damping mechanism to eliminate external vibrations.
- **Speed Control Flexibility**: Two-speed operation (33/45 rpm) with adjustments in 0.1% increments for ultimate accuracy.
- **Tonearm Options**: Available with the TA-9D dynamic balance tonearm or as a standalone unit. Supports up to three tonearms with optional arm-board configurations.

Grandioso E1

Phonostage Preamplifier



Main unit (top) Power supply/control unit (bottom)

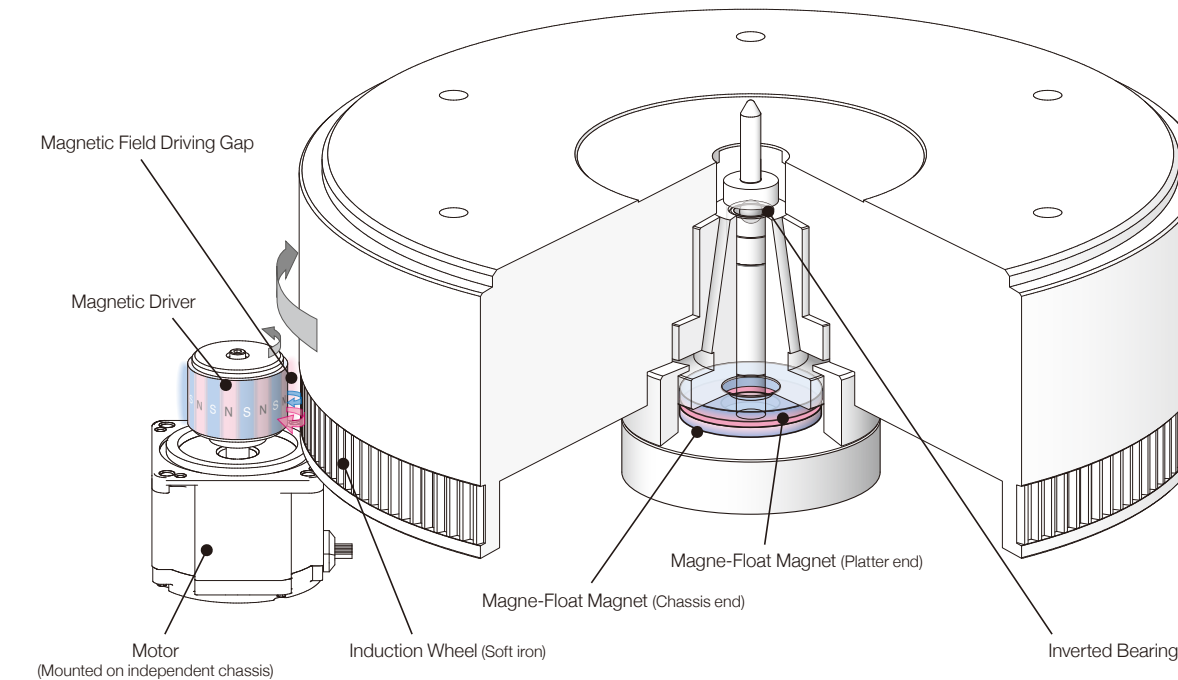
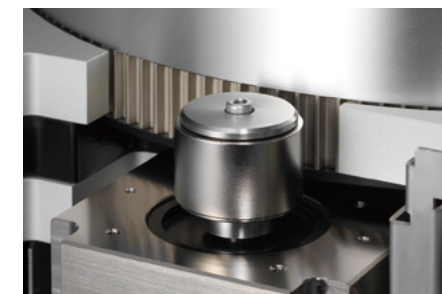
Key Features

- **Unique MC Balanced Current Inputs (XLR x 3):** Brings out the true sonic signature of MC cartridges.
- **Dedicated Optical Cartridge Input (RCA x 1):** No Magnetic resistance applied to the vibration system.
- **Voltage Input for High-Output Voltage Cartridges** (MM/High Output MC, RCA x 1)
- **Fully Balanced, Dual Mono Discrete Amplifier:** Incorporates variable EQ and gain amplifier circuitry.
- **Wide Gain Adjustment Range:** Matches cartridge output levels.
- **Six Selectable EQ Curves:** RIAA, Columbia, Decca, NAB, Teldec, AES
- **Four Customizable EQ Presets:** Adjustable by setting individual EQ parameters.
- **Reference EQ Settings Provided:** Available in the owner's manual.
- **Demagnetization Function:** Demagnetizes the iron core of MC cartridges, restoring original sound quality.
- **Subsonic Filter:** Reduces low frequencies caused by vinyl warping.
- **Mono Mode:** Enables playback of monaural recordings.
- **Esoteric-HCLD Output Buffer Amplifier:** Features a high slew rate of 2,000V/μs in parallel configuration.
- **ES-Link Analog System:** Transmits all musical energy via a unique current transfer system.
- **Dual-Chassis Design:** Separates the power supply/control unit from the main preamplifier unit for improved isolation.
- **Four Independent Power Supply Systems**
- **Centralized Logic Controls:** Integrates settings into the power supply unit, operable via remote control.
- **Premium Double-Sided Remote Control:** Crafted from high-quality aluminum.
- **Highly Rigid Chassis:** Constructed from heavy aluminum blocks.
- **Semi-Floating Top Panel:** Enhances sound openness.
- **Multi-Layered Chassis:** Prevents interference among circuit components
- **Advanced Isolation Feet:** Provides focused sound and an open soundstage.



ESOTERIC MagneDrive System Patent: JP6501130

Grandioso T1
Analog Turntable



The Esoteric MagneDrive System (Patent: JP6501130) is a non-contact, magnetically induced turntable drive system.

In order to achieve our goal of reproducing master-quality sound from a vinyl playback system, Esoteric spent more than five years from the start of the project to the patent acquisition and commercialization of the MagneDrive system.

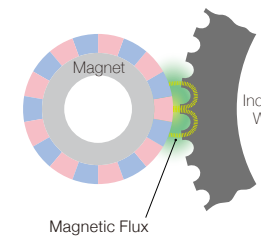
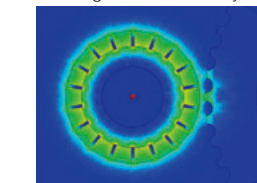
A “Magnetic Driver” is mounted on the top of the drive motor. The side of the Magnetic Driver is a dome-shaped magnet with alternating S and N poles.

The platter is made of non-magnetic aluminum, but a soft iron “Induction Wheel” surrounds the lower part of the platter side, closely facing the Magnetic Driver on the motor unit. As the Magnetic Driver rotates, the platter rotates synchronously with the induced magnetic force applied to the Induction Wheel. The induction is non-contact, so the platter is completely free of motor rumble.

The Principle of Rotation

Static State

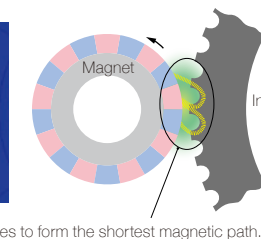
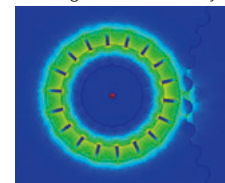
Distribution of magnetic flux density



Magnetic Flux

Rotational State

Distribution of magnetic flux density



In principle, the magnetic flux tries to form the shortest magnetic path. When the magnet starts to rotate, the shape of the magnetic flux is “stretched” and tries to return to the stable point, causing the wheel to rotate. This induced force becomes the torque.

ESOTERIC MagneDrive System

Patent: JP6501130

Grandioso T1
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Extremely Quiet Rotation

For vinyl record playback, which picks up vibrations from record grooves on the order of microns and converts them into audio signals, the elimination of vibrations generated by motors is essential for master sound reproduction.

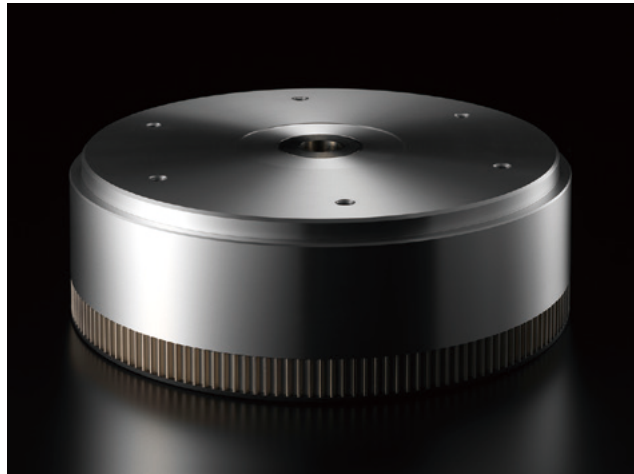
The Esoteric MagneDrive System revolutionizes this aspect by employing a non-contact power transmission mechanism between the motor and the platter. This innovative design eliminates motor-generated vibrations entirely, allowing for an ultra-silent, “rumble-free” rotation and delivering crystal-clear audio that preserves the purity of every note.

Precision-Engineered Platter with Magne-Float System

The T1 features a meticulously crafted 19kg high-mass platter, precision-machined from a solid aluminum block. This heavy-duty design is enhanced by the innovative “Magne-Float System”, which reduces the load on the bearing to just 4kg. This breakthrough achieves an ideal balance of high rotational inertia and minimal friction, resulting in exceptionally smooth and whisper-quiet rotation.

To further enhance stability, the platter incorporates inverted bearings that position the fulcrum closer to the vinyl surface. This design ensures unparalleled rotational stability, optimizing playback precision.

The platter’s surface is a masterpiece in itself. Hand-finished by skilled craftsmen, each platter undergoes a meticulous polishing process to achieve a mirror-smooth finish and a stunning spin pattern reminiscent of fine artisanal craftwork. Combining technical excellence with aesthetic beauty, the platter exemplifies Esoteric’s commitment to artistry and performance.



Powerful, Dynamic Sound

In general, the high-torque turntable is characterized by pitch stability and can reproduce powerful, “punchy” bass.

The MagneDrive system has a powerful drive torque of 2.8Nm, comparable to the direct drive system, and can accurately reproduce the dynamics of music without the rumble generally associated with other high-torque drive systems.

Reference values for drive torque by drive system

(approximate, Nm = Newton meters)

MagneDrive System 2.8 Nm

Direct Drive System 3.0 Nm

Belt Drive System 0.01 Nm

Exceptional Rotational Accuracy

Esoteric MagneDrive System sets a new benchmark for precision. By leveraging a magnetic driver and platter working in perfect synchronization, this mechanism eliminates traditional speed deviations caused by mechanical imperfections such as belt stretch or pulley inaccuracies. This resulting in flawless, consistent platter rotation.

Instead of relying on conventional servo correction, Grandioso T1 uses a high-precision processor to directly regulate the motor’s current waveform. This approach ensures natural sound reproduction, free from the fluctuations often introduced by feedback loop corrections.

Grandioso T1’s magnetic synchronization adheres strictly to the fundamental physics of gear ratios, maintaining constant and reliable speed under all conditions. This innovative design delivers breathtaking audio performance, capturing every nuance of your vinyl records with precision and clarity.

The Grandioso T1 is not just a turntable, it is a statement in engineering excellence and musical authenticity.

A Motor Unit Incorporating The Best of Esoteric Technology

The motor unit of Grandioso T1 is a pinnacle of mechanical and circuit engineering expertise. Designed to deliver precise control over the magnetic driver’s rotation, this unit is engineered with meticulous attention to detail.

Isolated from the main unit and mounted on a robust 6mm-thick brass bottom chassis, the motor unit minimizes vibrations and enhances stability.

Its motor driver circuit leverages a high-precision 10MHz clock to generate ultra-accurate drive waveforms, ensuring flawless motor operation. To further enhance performance, the motor unit is powered by an independent power supply that delivers exceptionally pure DC. This design significantly reduces the transmission of unwanted vibrations, enabling unparalleled rotational accuracy and sonic purity.



10MHz Master Clock Sync Capability

The motor unit of the Esoteric T1 is designed for ultimate precision, featuring an external 10MHz clock input. By connecting the Grandioso G1X Master Clock Generator (sold separately), you can elevate sound quality even further. This setup supplies the motor driver with an ultra-precise clock signal, ensuring unmatched rotational accuracy and a heightened level of audio performance.

Drive Torque Adjustment with Micrometer Precision

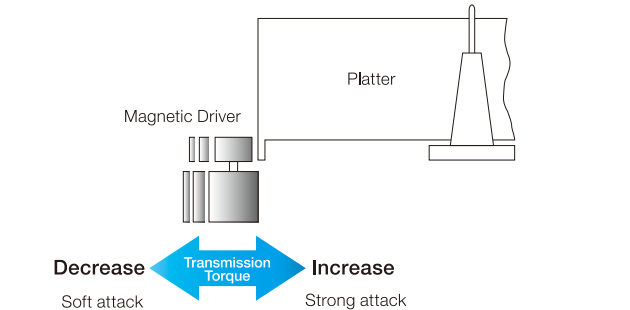
The MagneDrive System blends the best attributes of traditional drive mechanisms that offering the powerful, accurate pitch of direct and idler drives combined with the smooth, consistent rotation of belt drives. On top of these benefits, it provides an unprecedented level of tonal flexibility.

The motor unit features a micrometer dial on its front panel, allowing precise adjustment of the distance between the motor driver and platter. This adjustment modifies the transmission torque, enabling you to fine-tune the sound to your liking from bold and powerful tones to softer, more delicate nuances all in real-time as you listen. This result in a listening experience tailored to your personal preferences, ensuring every record is reproduced with exceptional detail and character.



Fine-Tuned Drive Torque via Adjustable Distance

The magnetic force in the MagneDrive System is inversely proportional to the square of the distance between the motor driver and platter. This means even a slight adjustment in distance results in a significant change in transmission torque. For example, when the distance is increased to its maximum (+1.0mm), the torque is reduced by 57%. The micrometer dial allows you to make these precise adjustments in real-time, enabling seamless control over torque while listening. This innovative feature offers unparalleled flexibility, letting you customize the sound to suit your preferences with exceptional precision and ease.



Maintenance-Free Longevity

The unique MagneDrive System offers significant advantages over traditional turntable mechanisms. By eliminating the need for a drive belt, it removes the hassle of periodic replacements and significantly reduces wear on moving parts. This innovative design ensures minimal maintenance while preserving long-lasting, high-quality sound performance. With the MagneDrive System, you can enjoy exceptional audio clarity and reliability for years to come, making it a truly worry-free investment in premium sound.

Elegance in Performance

Toward the one and only our design goal of “Reproducing the Master Sound,” the T1 chassis optimally controls all vibrations that affect sound quality. The T1 chassis is mechanically engineered like an F1 racing car, with the balance between rigidity and flexibility pushed to the limit.

The elegant and clean form is a testament to its high degree of perfection.

Triple-Layer Chassis: A Masterpiece of Craftsmanship and Performance

The Esoteric T1 features a gracefully curved, triple-layer chassis, a testament to Esoteric’s legacy of exceptional mechanical engineering. This innovative design combines a core layer of wood, known for its high internal damping, sandwiched between thick aluminum layers for optimal rigidity and vibration control.

- **Top Layer:** The tonearm is securely mounted on the upper aluminum layer, ensuring precise tracking and stability.
- **Bottom Layer:** The spindle assembly and isolation feet are anchored to the lower aluminum layer to minimize external vibrations.
- **Mid-Chassis:** A carefully engineered wood layer lies between the aluminum layers to prevent vibration transmission between the tonearm and platter. This configuration not only isolates vibrations but also enhances tonal clarity and purity.

The wooden mid-chassis further enriches the T1’s sound by imbuing it with a natural warmth and exceptional tonal balance. Its ability to reproduce a richly detailed mid and low-frequency range creates a listening experience reminiscent of the original master tapes, delivering music with unparalleled depth and realism. This seamless blend of materials and craftsmanship results in a turntable that is as visually stunning as it is sonically extraordinary.

Luxurious High-Gloss Piano Finish Mid-Chassis

The wooden mid-chassis of the Esoteric T1 is meticulously finished with a stunning high-gloss piano lacquer. Achieved through multiple layers of painting and expert polishing, this process results in a flawless, jet-black surface with a smooth, almost liquid-like luster. The finish is free of glare,

exuding a sophisticated elegance that elevates the turntable’s aesthetic appeal. This organic, artisanal design contrasts beautifully with the sleek, industrial precision of the aluminum layers. The dynamic interplay between these elements creates a visual masterpiece that enhances the joy of owning the T1, making it not just a turntable, but a true work of art.

Advanced Isolation Feet with Specialized Damping Technology

The Grandioso T1 features isolation feet with a hybrid design, combining coil springs and a specially engineered damper resin. This innovative structure is highly effective at isolating very low-frequency vibrations, achieving superior performance with a remarkably short damping time of approximately 0.5 seconds.

Unlike conventional floating turntables that rely solely on coil spring systems, effective at blocking low-frequency feedback but slower to dissipate vibrations, the Grandioso T1’s advanced design offers both rapid damping and exceptional vibration isolation. This ensures a cleaner, more stable sound quality, free from the interference caused by unwanted vibrations.

Equipped with Dynamic Balanced Tonearm TA-9D Armless Configuration Is Available

The TA-9D is based on Ikeda Sound Labs.’ IT-345, which is in the vein of Fidelity Research’s famous FR-64 that has been highly acclaimed worldwide since the heyday of analog audio.

The TA-9D employs a dynamic balance system that is resistant to eccentricity and warping of records and enables stable reading. The dynamic balance system has a low center of gravity and a thick core tone, while the stainless steel tonearm pipe inlaid with brass and aluminum increases rigidity and

optimize vibration modes. Internal wiring is made of 6N (99.9999%) + 4N high-purity hybrid copper wire, and the VTA elevation allows the height of the arm (VTA) to be adjusted while playing back records.

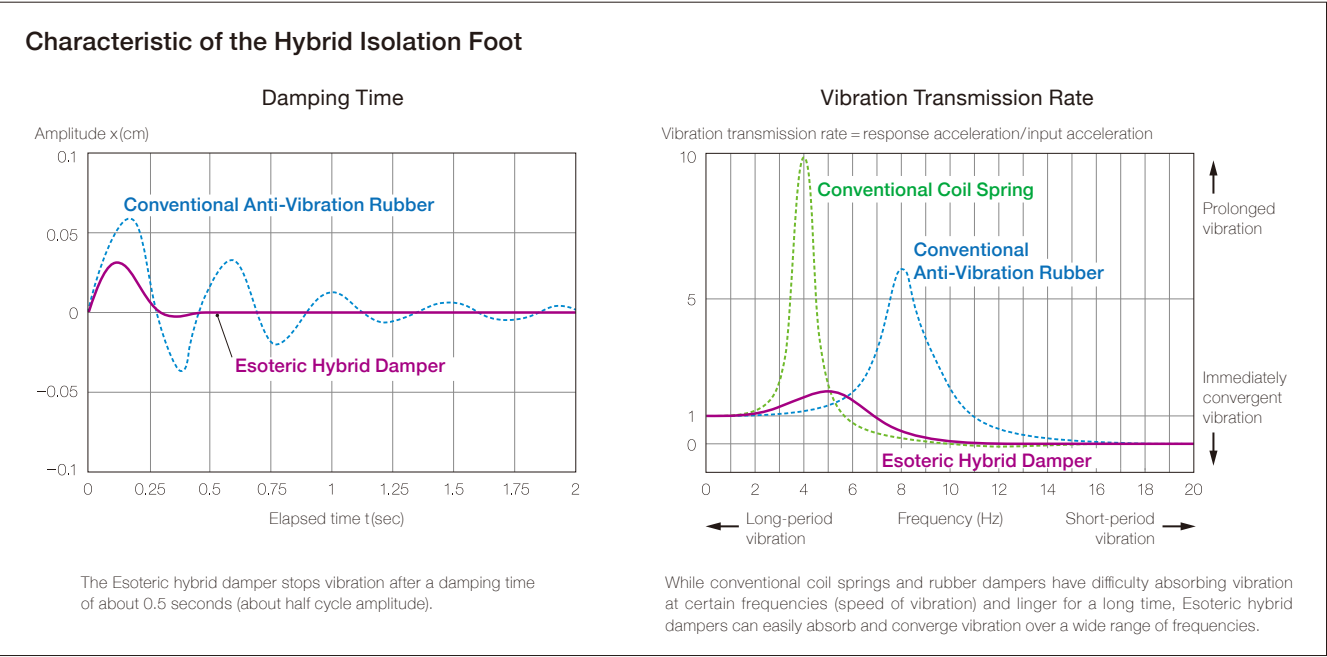
T1 is also available in armless (AL) configuration, so that customers can choose tonearms of their own choice. In addition, up to three tonearms* can be added with the optional arm base kit.

External Power Supply Unit for Optimal Motor Performance

The Grandioso T1’s motor is powered by an independent, high-performance power supply unit designed for uncompromising sound quality. This unit delivers exceptionally clean and robust current, based on a dedicated oversized toroidal power transformer housed in a separate enclosure. For added precision, the power supply driving the motor operates independently of the R-core power transformer responsible for operational control. This separation minimizes interference and ensures consistent performance. The power supply enclosure is crafted from rigid, non-resonant aluminum for maximum durability and stability. Its top panel features a semi-floating structure to eliminate vibrations, fostering an open and natural sound. Additionally, the unit is supported by specially designed isolation feet that reduce mechanical stress and further enhance sound quality.

“Washi” Turntable Sheet

Complementing the Grandioso T1’s performance, the turntable sheet is crafted from Washi, a traditional Japanese paper renowned for its neutral tonal characteristics. This carefully chosen material not only enhances the T1’s ability to deliver an uncolored, pure sound but also embodies Esoteric’s dedication to blending heritage craftsmanship with modern engineering.



* The TA-9D can have up to two additional tonearms (maximum of two tonearms), excluding the arm post on the front left side. The position of the arm post and the number of tonearms to be added may be restricted depending on the shape of the tonearm mounting area, etc. Please contact our distributors if you wish to add other tonearms.



The Grandioso E1 (left), the Grandioso T1 power supply unit (center-top), the Grandioso G1X (center-bottom), and the Grandioso T1 (right)

MC Balanced Current Input System

Unique MC Balanced Current Inputs Reveal True MC Cartridge Sonic Signature

The Grandioso E1 is equipped with three Esoteric original MC balanced current inputs (XLR), which accept the “current” generated by the MC cartridge as a balanced signal. It is not widely known that the output current of MC cartridges is significantly higher than that of MM cartridges. The MC balanced current input is the most efficient and lossless way to extract the full energy generated by the MC cartridge, compared to the conventional “voltage input,” which converts the output current to a “significantly low” micro-voltage via a load resistor. This approach allows the sound inherent in the MC cartridge to be reproduced with all the performance’s reality intact. Additionally, there is no need to worry about impedance matching between the MC cartridge and the phono stage, ensuring that the best sound can always be extracted from the MC cartridge.



Main unit (top) Power supply/control unit (bottom)



MC Balanced Current Input – Technology

MC cartridges use smaller coils than MM cartridges to keep vibrating systems lighter and capable of picking up finer musical details. As a result, the output “voltage” is generally about 1/20th of that of MM cartridges. However, the MC cartridge, with its low-impedance coil and powerful magnet outside the vibrating system, can output a much higher “current” than the MM cartridge. In other words, the MC cartridge is a power generator that excels at delivering power in the form of “current” rather than “voltage.”

In the case of a conventional “voltage input,” the original rich current is converted by the load resistance into a tiny voltage signal of about 1/20th of that of an MM cartridge, resulting in various issues, such as S/N degradation due to the need for large amplification in the following stage, losses due to resistance, and unwanted changes in sonic characteristics due to impedance mismatch. On the other hand, the MC balanced current input allows the high power (high current) of the MC cartridge to be fed directly into the discrete amplifier, enabling the most efficient signal extraction without loss. Additionally, by feeding both ends (+/-) of the MC cartridge’s coil into a balanced amplifier, a signal can be extracted without noise. By using transistors originally designed for current amplification in the gain element, the E1 further enhances design rationality.





Fully Balanced / Dual Mono / Discrete Phonostage

Grandioso E1
Phonostage Preamp

Optical Cartridge Input

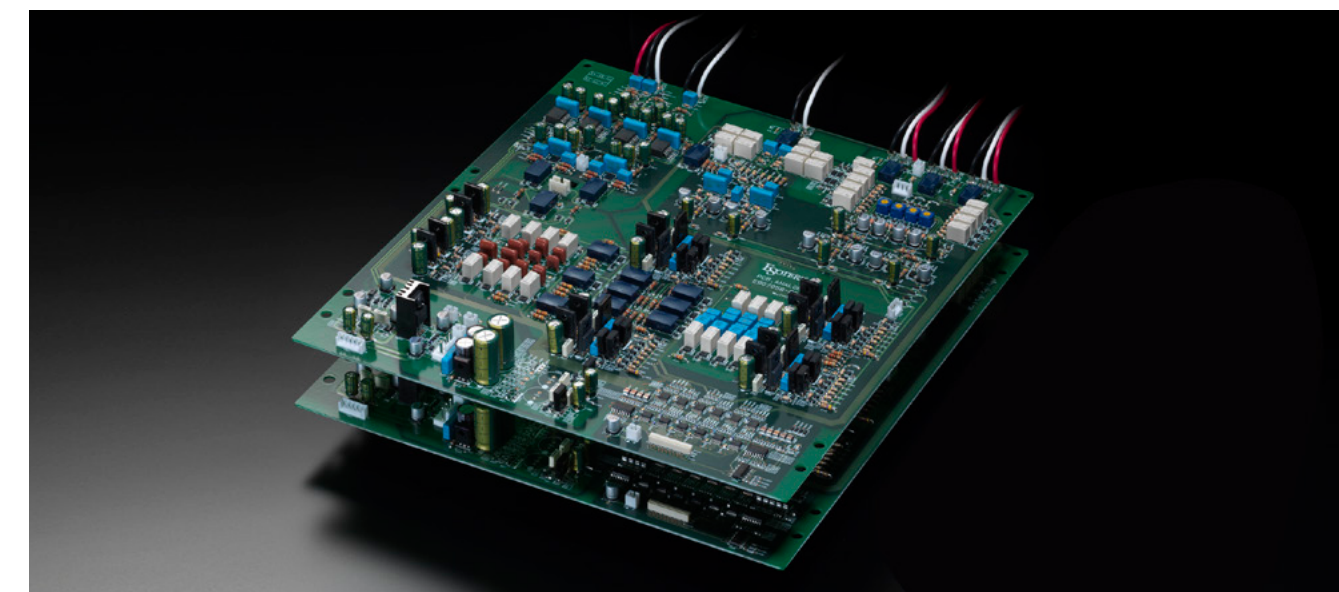
Optical pickup cartridges use an internal LED and a light receiver (PD: photodiode) to optically detect the movement of the cantilever and output it as an analog music signal. The E1 is equipped with a pair of RCA input sockets dedicated to optical cartridges. Since optical cartridges require completely different amplification and equalization methods compared to MM/MC cartridges, the E1 includes an independent, dedicated, fully balanced/dual mono phono stage preamplifier. This unique balanced/dual mono phono stage preamp circuit with an external power supply, discrete low-feedback power regulator, allows you to enjoy the crisp sound of an optical cartridge at the highest possible quality.



Balanced, dual mono optical phono stage

Voltage Input for MM / High-Output MC Cartridge

The E1 has a pair of RCA input sockets for high-output voltage cartridges, such as MM, MC with an integral transformer, and high-impedance/high-output MC cartridges. The input signal is instantly balanced and amplified by a fully discrete main phono stage preamplifier circuit, which is shared with the balanced current input, ensuring the same uncompromising, superior sound quality as with the balanced current input. The load impedance and capacitance can be adjusted to match the phono cartridge in use.



Fully balanced, dual mono, discrete MM/MC phono stage

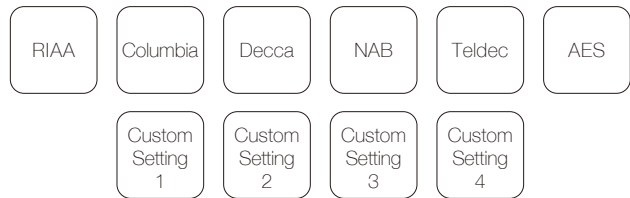
Fully Balanced / Dual Mono / Discrete – Variable EQ, Gain Amplifier Circuitry

Signals from the MC balanced current input and the MM/MC voltage input are amplified and EQ'd by a two-stage variable EQ gain amplifier circuit shared by each input. The amplification system uses a CR type for natural sound quality. We have achieved high sound quality through careful component selection and a fully balanced, dual mono, discrete configuration. The amplification gain can be finely adjusted to suit the phono cartridge.

Variable EQ, Multiple Functions

Variable EQ Curve Selection

Despite its simple and elegant appearance, the E1 is capable of adjusting various EQ curves at the level of professional studio equipment. Six typical EQ curves (RIAA, Columbia, Decca, NAB, Teldec and AES) can be recalled at the touch of a button on the remote control. Additionally, up to four custom EQ settings can be preset by individually adjusting three EQ parameters (Low Limit, Turnover, and Roll-Off). Reference values for setting the various EQ curves are provided in the owner’s manual to help you achieve the best sound quality from any vinyl.



Useful Features for Vinyl Playback

The E1 is equipped with a demagnetizing function. By simply playing a vinyl record for about 30 seconds with the “Demag” button on, the magnetized iron core of the MC cartridge or step-up transformer is demagnetized, restoring the original sound quality. Additionally, a subsonic filter is provided to reduce low frequencies caused by vinyl warping, and a “Mono” mode is provided for playback of monaural recordings.

Esoteric-HCLD (High Current Line Driver)

Following in the footsteps of the flagship Grandioso C1X preamplifier, the E1 is equipped with the Esoteric HCLD (High Current Line Driver), which has an amazingly fast slew rate of 2,000V/μs, mounted in parallel on a signal line. The signal is sent to the preamplifier with high speed and power, resulting in a dynamic sound.

ES-LINK Analog

The Grandioso E1 is equipped with a pair of RCA/XLR outputs for connection to a preamplifier, and the XLR output can be switched to “ES-Link Analog” output. ES-Link Analog is Esoteric’s proprietary current transmission method. By connecting devices that support this method, it is possible to reproduce sound as if it were being played directly from an analog console in a recording studio. Compared to conventional voltage transmission, this method transmits approximately 100 times more current, allowing it to convey the full energy of the music. The sonic signature of ES-Link Analog is powerful, live and dimensional. In principle, the impedance of the connecting cable has no effect, allowing the input and output signals to remain extremely identical.

Two Chassis Configuration

The E1 features a two-chassis configuration that separates the power supply and control section from the main phono stage preamplifier unit. By isolating the power, control, and display circuits—which are sources of vibration and noise—the audio signal can be amplified with exceptional purity.

Ultra-Low Noise Logic Control

The logic-based control unit, which manages operation and display, is integrated into the power supply and physically isolated from the main unit. Additionally, all control signals connecting the power/control unit to the main unit are electrically isolated from the audio circuitry by a large isolator circuit, ensuring pure sound reproduction



Mechanical Construction

To achieve the singular design goal of “reproducing the master sound” the E1 chassis optimally controls all vibrations that affect sound quality. The cabinet, which requires rigidity, extensively utilizes heavyweight aluminum blocks to ensure no resonance, while the top panel features a semi-floating structure for a more open sound.

Four Independent Power Supplies

The power/control unit is separated from the main unit to form an extremely large 4-system independent power supply and is connected to the main unit via three dedicated DC cables. The power supply for the MC/MM phono stage uses a complete dual-mono configuration with independent power transformers and rectifiers on the left and right sides. The phono stage for optical cartridges and the control circuits also have their own dedicated power supply sections. These four independent power supply systems prevent mutual interference between circuits, enhancing the E1’s pure and powerful reproduction capabilities.



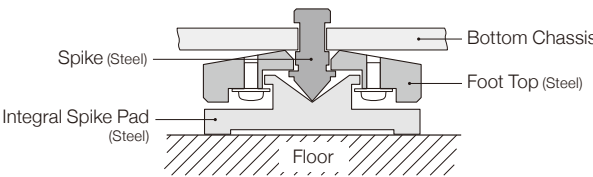
Multi-Layer Chassis

The chassis, which secures each circuit component, is a multi-layer construction using multiple steel plates. Each circuit component is mounted on a separate layer and arranged in a three-dimensional layout to minimize physical and electrical interference. In the power supply section, the circuit board and power transformer are also placed on different layers to suppress the transmission of transformer vibrations to the circuit board. The bottom chassis, on which the transformer is mounted, is laser-cut with precision slits, and Esoteric’s unique pinpoint isolation feet effectively dissipate vibrations to the ground.

Unique Pinpoint Isolation Foot

(Patent No. JP 4075477, 3778108, and 7413773)

Esoteric’s unique patented isolation foot, which integrates a spike and spike pad, has been further refined and developed. Suspended from the lower chassis, the top of the foot connects to the lower chassis under the weight of the unit when placed. The top of the foot has been tapered to a conical shape to minimize the contact area between the chassis and the foot. The bottom of the foot (integral spike pad) is also concave in a ring shape so that it touches the floor only at the edges, with added slots to disperse resonant modes. By minimizing the contact area between the chassis and the foot, as well as between the spike pad and the floor, vibration control has been optimized, resulting in sharper focus and a more open sound.



Centralized Remote Control

By integrating and centralizing the logic control in the power supply, almost all functions, such as the equalizer curve and various settings, can be controlled from the listening position using the supplied remote control. In addition, the number of buttons on the front panel has been reduced to a minimum, further enhancing the Grandioso’s elegant appearance. The result of advanced metal fabrication, the high-quality aluminum remote control is smartphone-sized and comfortable to hold, with a functional design that includes buttons on both sides for every operating scenario.





Grandioso T1
Including TA-9D tonearm. Cartridges are not included.



Grandioso T1/AL
Cartridges, tonearms and arm base kits are not included.

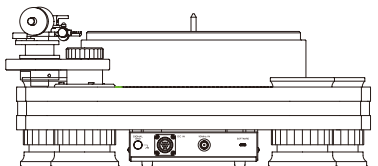
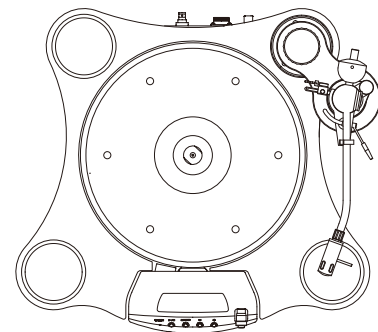
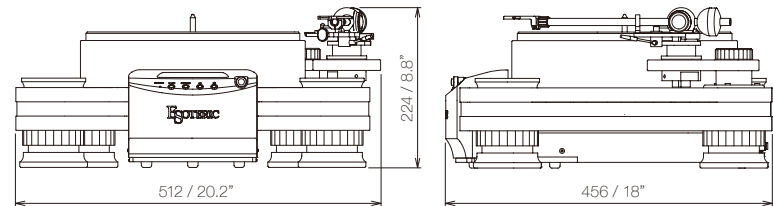


Power supply unit



Power supply unit

Overall Dimensions (unit: mm/inch)



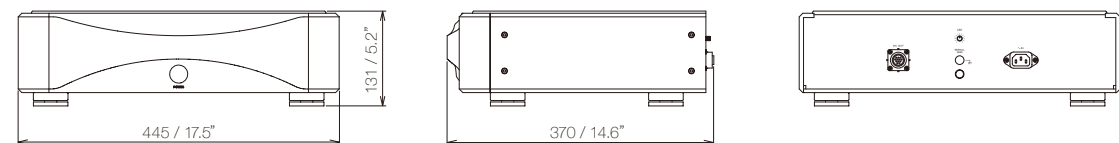
Main unit
(Base unit, motor unit and tonearm)



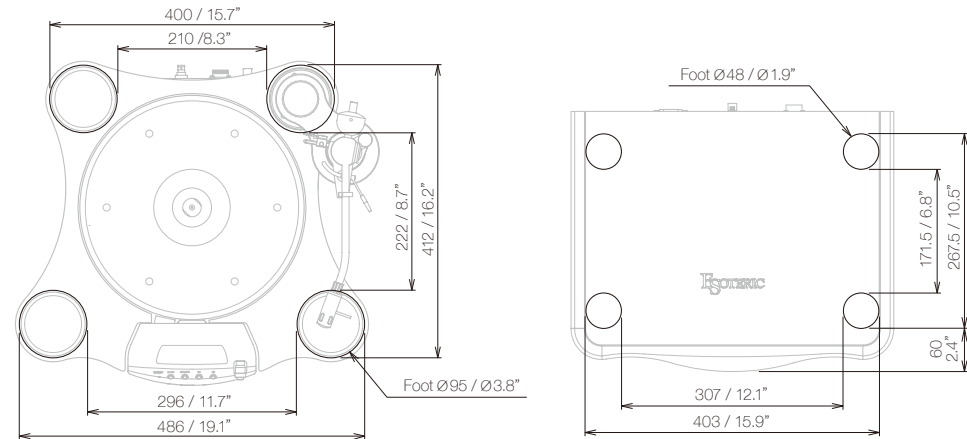
Power supply unit

Overall Dimensions (unit: mm/inch)

Power supply unit



Foot Positions (unit: mm/inch)



Specifications

Turntable section

Rotation speed:	33 1/3rpm / 45rpm
Rotation speed adjustment range:	±12% (in 0.1% increments)
Wow and flutter:	0.06% or less (W.R.M.S)

Clock input

Connector:	BNC x 1
Input impedance:	50Ω
Input frequency:	10MHz (±10ppm)
Input level:	0.5 to 1.0Vrms (sine wave)

Tonearm section (TA-9D)

Type:	Dynamic balance
Overall length:	326mm
Effective length:	245mm
Distance between tonearm axis to spindle:	230mm
Overhang:	15±2mm
Tracking error:	+1° 21' to 2°
Tracking force range:	0 to 5g (0.25g step)
VTA adjustment range:	0 to 10mm
Cartridge +headshell weight range:	6 to 38.5g
Headshell weight:	16.45g

General

Power:	AC 230V, 50Hz (Model for Europe) AC 120V, 60Hz (Model for US/Canada)
Power consumption:	9W
Standby power consumption:	0.5W or less
Dimensions (W×H×D)*:	Base unit 497 × 215 × 436mm / 19.6" × 8.5" × 17.2" Platter Ø315.4 × 103mm / Ø12.5" × 4.1" Motor unit 180 × 137 × 450mm / 7.1" × 5.4" × 17.8" Power supply unit 445 × 131 × 370mm / 17.6" × 5.2" × 14.6"
Weight:	Base unit 17 kg / 37.6 lb Platter 19kg / 42 lb Motor unit 9kg / 19.9 lb Power supply unit 18kg / 39.8 lb

*Including protrusions





Arm Base Kits (Sold separately)

Installable position



Standard configuration of Arm Base Kit (AB-T1SM1 is shown.)

- Arm base ×1
- Arm base post ×1
- Arm base attachment thumbscrew ×1
- Arm base post attachment screws ×3

The Grandioso T1 can accommodate up to 3 tonearms using appropriate arm base kit.

The position of the tonearm and the number of tonearms may be restricted depending on the shape of the tonearm, mounting position, etc.

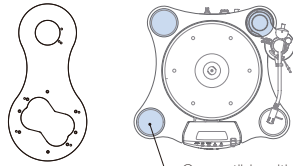
The Grandioso T1/AL (arm-less model) requires optional arm base kit shown below. If your tonearm model is not listed below, custom design is available upon request.

Please contact Esoteric distributors if you plan to install a third-party tonearm.

AB-T1SM1

Compatible tonearm

- SME (9, 10, 12 inch)
- Graham Phantom (9, 10, 12 inch)



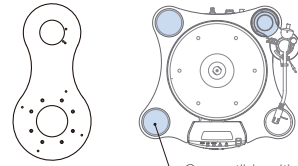
Compatible with 12" only

Compatible with SME and stanrad Graham Phantom with SME-compatible mount.

AB-T1GH1

Compatible tonearm

- Graham Phantom (9, 10, 12 inch)



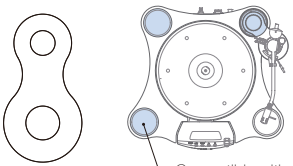
Compatible with 12" only

Exclusive for Graham Phantom with custom-mount. Use the AB-T1SM1 for standard Graham Phantom with SME-compatible mount.

AB-T1KD1

Compatible tonearm

- Ikeda (9, 12 inch)



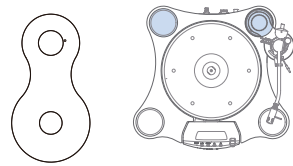
Compatible with 12" only

Compatible with/without VTA elevation.

AB-T1SC1

Compatible tonearm

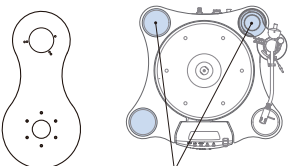
- SAEC WE-4700



AB-T1RT1

Compatible tonearm

- Ortofon AS-212R (9 inch)
- Ortofon AS-309R (12 inch)

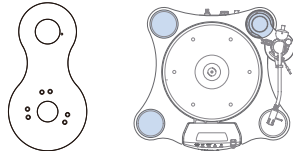


Compatible with the AS-212R only

AB-T1RD1

Compatible tonearm

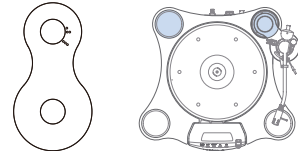
- Reed 5T/5A



AB-T1GL1

Compatible tonearm

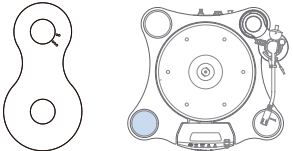
- Glanz (9, 10, 12 inch)



AB-T1GL2

Compatible tonearm

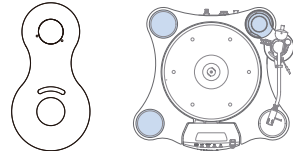
- Glanz (10, 12 inch)



AB-T1PC1

Compatible tonearm

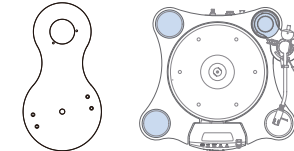
- Primary Control FCL (12 inch)



AB-T1DU1

Compatible tonearm

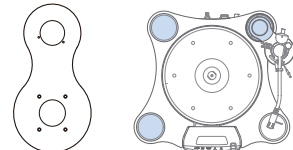
- Durand Tosca



AB-T1SP1

Compatible tonearm

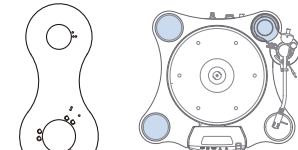
- Supreme Analog Tangenta



AB-T1KZ1

Compatible tonearm

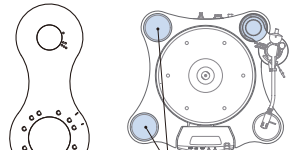
- Kuzma Safir 9



AB-T1ST1

Compatible tonearm

- SAT (9, 12 inch)

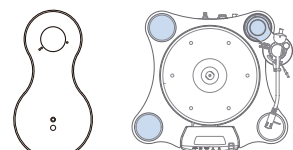


Compatible with 12" only

AB-T1AS1

Compatible tonearm

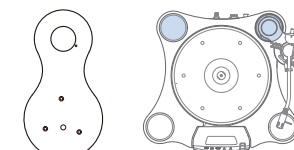
- Acoustical Systems Axiom



AB-T1TP1

Compatible tonearm

- Tri-Planar The Ultimate12



Grandioso E1

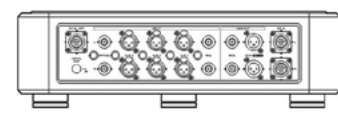
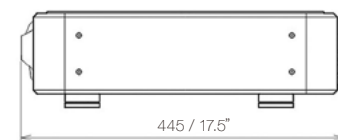
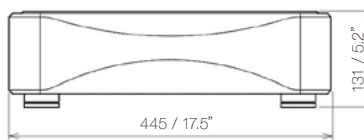
(Top: main unit, bottom: power supply/control unit. Double-side remote RC-1343 included.)

Product web site

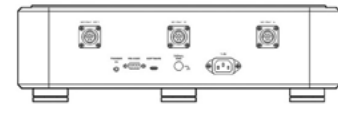
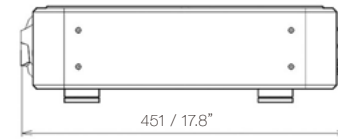
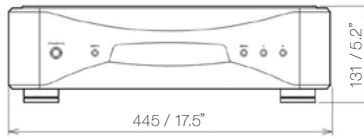


Overall Dimensions (unit: mm/inch)

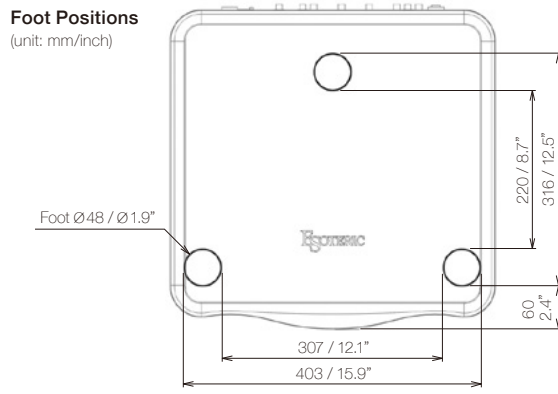
Main unit



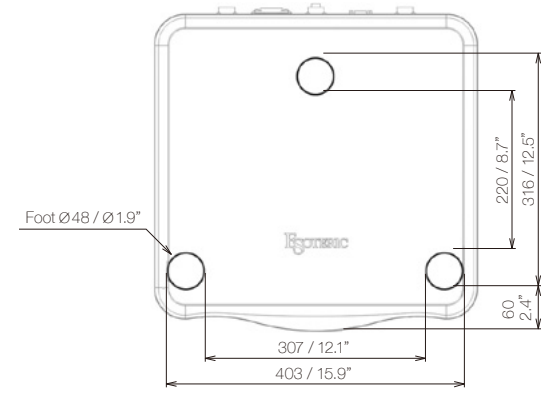
Power supply / control unit



Foot Positions (unit: mm/inch)



Main unit



Power supply / control unit

Specifications

Inputs

Connectors:	XLR	3 pairs (for MC current input)
	RCA	1 pair (for MC/MM voltage input)
	OPTICAL (RCA)	1 pair (for optical cartridges)

RCA load resistance:	MC	10Ω, 50Ω, 100Ω, 200Ω, 560Ω
	MM	47kΩ

RCA load capacitance:	MM	100pF, 220pF, 320pF
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Outputs

Conenctors:	XLR/ESL-Analog	1 pair (switchable)
	RCA	1 pair
Output impedance:	XLR	50Ω
	RCA	18Ω

Audio performance

RIAA deviation:		±0.3dB
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Rated output:	XLR	2V
	RCA	1V

Maximum output: (1% distortion)	XLR	6.6V (XLR, RCA input) / 12V (OPTICAL input)
	RCA	3.3V (XLR, RCA input) / 6V (OPTICAL input)

Input sensitivity (1kHz):	MC (current input)*1	1.2mV
	MC (voltage input)*2	0.5mV
	MM (voltage input)*2	10mV
	OPTICAL*3:	50mV

Gain:	MC (current input)*1	65dB (XLR output) / 59dB (RCA output)
	MC (voltage input)*2	72dB (XLR output) / 66dB (RCA output)
	MM (voltage input)*2	46dB (XLR output) / 40dB (RCA output)
	OPTICAL*3:	32dB (XLR output) / 26dB (RCA output)

Current gain adjustment range:		−9 to 0dB (in 3 dB steps)
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Voltage gain adjustment range:		−6 to +4dB (in 2dB steps)
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Equalizer frequencies:	LOW LIMIT (Hz)	50, 71, 100
	TURNOVER (Hz)	800, 630, 500 (RIAA), 400, 350, 300, 250, FLAT
	ROLL OFF (10kHz dB)	−16, −13.7 (RIAA), −12.7, −12, −10.5, −8, −6, FLAT

Total harmonic distortion:	MM	0.008% (1kHz, 22k LPF, rated output)
	OPTICAL	0.02% (1kHz, 22k LPF, rated output)

Subsonic filter:		16 Hz, −6dB/octave
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General

Power supply:	AC 220-240V, 50/60Hz (Model for Europe)
	AC 120V, 60Hz (Model for US/Canada)

Power consumption:	48W
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Standby power consumption:	0.4W (when RS-232C remote control input is OFF)
	0.9W (when RS-232C remote control input is ON)

Dimensions (W×H×D)*4:	Main unit	445 × 131 × 445mm / 17.5" × 5.2" × 17.5"
	Power supply/control unit	445 × 131 × 451mm / 17.5" × 5.2" × 17.8"

Weight:	Main unit	20.7kg / 45.7 lb
	Power supply/control unit	23.4kg / 51.7 lb

*1 Measured with 0dB C.gain, 0dB Gain, and cartridge with 40Ω impedance *2 Measured with 0dB Gain setting *3 Measured with HI Gain setting *4 Including protrusions

ESOTERIC



Grandioso E1
Phonostage Preamplifier



Grandioso T1
Analog Turntable

- These products are available in two different power supply variations as shown in the specification page. Make sure that the voltage shown on the rear panel matches the AC line voltage in your area.
- The shape of the AC inlet and plug of the supplied power cord depends on the voltage rating and destination country.

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