Specifications

### SA-10

#### System
- Super Audio CD / CD
- Power supply: 120 V AC, 60 Hz
- Power consumption: 135 W
- Frequency response: 5 Hz – 95 kHz, –3 dB (at 1 W, 8 ohms)
- Signal-to-Noise Ratio (COAXIAL, OPTICAL): greater than 110 dB (JEITA)
- Total Harmonic Distortion: 0.001%
- Maximum Output level (1 kHz, full scale): 2.2 Vrms ±0.1 V/10 k ohms
- Jacks: XLR jacks (2 channel) x 1, RCA jacks (2 channel) x 1
- Power rating: 75 watt RMS
- Recommended Amplifier Power: 20 to 120 watts per channel
- Enclosure weight: 12.5 kg (27 9/16 lb)
- Dimensions: 440 x 216 x 271 mm (17-5/16 x 8-1/2 x 10-11/16"

#### Input and Output
- Audio input: Coaxial Jack: RCA x1, Optical Jack: OPTICAL x1
- Audio output: Coaxial: RCA jack x 1, Optical: Optical digital jack x 1
- Word Clock: Jack: BNC
- DSD: Up to 5.6 MHz (AI-10, optional)

#### Compatibility
- The SA-10 can accept and synchronize to the following frequencies received from external devices (rectangular wave): 44.1kHz, 88.2kHz, 100kHz, 176.4kHz
- Wave clock output frequency: 44.1, 88.2, 176.4, 48, 96, 192, 100 (kHz)

#### Others
- Bypass switch: On/Off
- Dimensions: 192, 100 (kHz)
- Power consumption: 18 W
- System: Super Audio CD, CD

### MG-20

#### Crossover Type
- 2nd order LF, 3rd order HF. Bi-Wired, Hard-Wired passive, low loss.

#### Frequency Response (-6dB)
- 41 Hz – 44 kHz

#### Minimum Impedance
- 3.8 ohm

#### Nominal Impedance
- 6 ohm

#### Sensitivity
- 87.5 dB for 2.83 volt at 1 metre, half space

#### Power Rating
- 300 watt peak
- Recommended Amplifier Power: 20 to 170 watts per channel

#### Enclosure Volume
- 21.5 liter (3/4 cu.ft.)

#### Power Supply
- Korea model: AC 220 V, 60 Hz
- U.S.A./Canada model: AC 120 V, 60 Hz
- Europe model: AC 230 V, 50 Hz

#### Dimensions
- 450 x 256 x 310 mm (17-3/4 x 10-1/4 x 12-1/4"

#### Others
- Dimensions: 192, 100 (kHz)
- Power consumption: 18 W
- System: Super Audio CD, CD

### MG-10

#### Crossover Type
- 2nd order LF, 3rd order HF. Bi-Wired, Hard-Wired passive, low loss.

#### Frequency Response (-6dB)
- 38 Hz – 44 kHz

#### Minimum Impedance
- 3.7 ohm

#### Nominal Impedance
- 6 ohm

#### Sensitivity
- 89 dB for 2.83 volt at 1 metre, half space

#### Power Rating
- 360 watt peak
- Recommended Amplifier Power: 20 to 120 watts per channel

#### Enclosure Volume
- 13 liter (7/16 cu.ft.)

#### Power Supply
- Korea model: AC 220 V, 60 Hz
- U.S.A./Canada model: AC 120 V, 60 Hz
- Europe model: AC 230 V, 50 Hz

#### Dimensions
- 360 x 260 x 310 mm (14-1/8 x 10-1/4 x 12-1/8"

#### Others
- Dimensions: 192, 100 (kHz)
- Power consumption: 135 W
- System: Super Audio CD, CD

### AI-10

#### Power Supply
- 120 V AC, 60 Hz

#### Power consumption
- 50 W

#### Frequency response:
- 20 Hz to 80 kHz (SA-CD, DSD setting: Direct)
- 20 Hz to 50 kHz (SA-CD, DSD setting: Normal), –3 dB (at 1 W, 8 ohms)
- 5 Hz – 95 kHz, –3 dB (at 1 W, 8 ohms)

#### Total Harmonic Distortion:
- 0.08 % (at 110 W, 1 kHz, 8 ohms)

#### Signal-to-Noise Ratio (COAXIAL, OPTICAL):
- 101 dB or more

#### Maximum Output level (1 kHz, full scale):
- 150 W + 150 W (1 kHz, 8 ohms)

#### Output Power:
- 110 W + 110 W (1 kHz, 8 ohms)

#### Dimensions:
- 1060 x 216 x 271 mm (41-3/4 x 8-1/2 x 10-11/16"

#### Power Supply
- Korea model: AC 220 V, 60 Hz
- U.S.A./Canada model: AC 120 V, 60 Hz
- Europe model: AC 230 V, 50 Hz

#### System
- Super Audio CD, CD, CD player

### Floorstanding Speaker System

#### STD-MG10
- Optional stand for MG-10
- 15mm (6 inch thick), solid aluminum base plates with ESOTERIC’s proprietary 3 pin-point grain helping to reduce metallic resonance of loudspeakers.
- These heavy duty stands and bases are designed exclusively for ESOTERIC’s MG series and feature material composite.
- Optional stands and bases are now available.

#### STD-MG20
- Optional stand for MG-20
- 24.5 (H) x 10.2 (W) x 12.2 (D) inches / 28.2 lbs. ea.

#### Construction
- High density birch plywood. Internally cross braced and heavily damped with Teflon powdered polypropylene.
- Machined duralumin speaker base plates on top. Resonance control steel plates are added to these speaker bases for better resonance control ability. STD-MG10 uses a 100 mm (3.9 inch wide) steel column which is heavily damped with Teflon powdered polypropylene.

#### Wave filter
- Designed to enhance the naturalness and detail of the music without coloration and distortion.
- The linearity of the frequency response is maintained even at very high levels of output.
- Ensures that the speakers maintain a high level of detail even at very high levels of output.

#### Driver information
- 165mm (6-1/2 ”) magnesium cone LF
- 2 x 165mm (6-1/2 ”) magnesium cone LF
- 10.5mm (7/32”) damped soft dome HF
- 25mm (1/2 ”) magnesium dome HF

#### Power rating
- 20 to 120 watts per channel
- 20 to 170 watts per channel

#### Enclosure weight
- 10 kg (22 lbs) (STD-MG10)
- 23 kg (50 lbs) (STD-MG20)

#### Dimensions
- 192, 100 (kHz)
ESOTERIC’s 20th anniversary combo - a new product range enabling ownership for a wider variety of audiophiles.

This new range consists of a Super Audio CD/CD player, digital integrated amplifier and newly developed, high tech magnesium loudspeaker system, each designed for total sound coordination.

Without sacrificing quality, the ESOTERIC “10 Series” provides proprietary technology and premium performance in a newly designed system implementation.
Rich and high speed power-supply capability

The large toroidal transformer provides high efficiency power-supply capability. The unit also incorporates a high speed power-supply circuit with a ferrite core inductor. The output circuit utilizes a high-speed circuit that provides high efficiency without adding noise or distortion to the internal circuitry.

Word synchronization

The SA-10 features a WORD SYNC input terminal to accept an incoming external WORD clock signal. This input can operate with 44.1/88.2/176.4 kHz clock signals. The unit also features an internal ESOTERIC original 100 kHz Universal Clock signal. The incoming signal is divided into 200 kHz frequency components and then reassembled to an accurate clock signal. This improved circuitry provides higher performance with greater definition and transparency.

High rigid chassis construction

Made with thick aluminum plates

The front panel is made from thick extruded aluminum, top panel (T 5 mm), and side panels (T 4 mm), are also made from aluminum. The chassis is supported by three metal feet to create an optimally stable platform.

ESOTERIC
20th ANNIVERSARY

SA-10 Super Audio CD / CD Player

Simple, basic, highly musical

SA-10

Rich and high speed power-supply capability

The large toroidal transformer provides high efficiency power-supply capability. This unit also incorporates a high speed power-supply circuit with a ferrite core inductor. The output circuit utilizes a high-speed circuit that provides high efficiency without adding noise or distortion to the internal circuitry.

Word synchronization

The SA-10 features a WORD SYNC input terminal to accept an incoming external WORD clock signal. This input can operate with 44.1/88.2/176.4 kHz clock signals. The unit also features an internal ESOTERIC original 100 kHz Universal Clock signal. The incoming signal is divided into 200 kHz frequency components and then reassembled to an accurate clock signal. This improved circuitry provides higher performance with greater definition and transparency.

High rigid chassis construction

Made with thick aluminum plates

The front panel is made from thick extruded aluminum, top panel (T 5 mm), and side panels (T 4 mm), are also made from aluminum. The chassis is supported by three metal feet to create an optimally stable platform.

ESOTERIC
20th ANNIVERSARY

SA-10 Super Audio CD / CD Player

Simple, basic, highly musical
AI-10 Digital Integrated Amplifier, A/D Converter and Master Clock Sync Generator

AI-10 incorporates ESOTERIC’s highly acclaimed D/A converter and clock technology. With high-speed and pure sound with exceptional resolution and density. AI-10 also incorporates TI (Texas Instruments) PWM processor (Pulse width modulation) which uses an advanced correction algorithm for signal processing. The AI-10 has highly efficient speaker driving ability and very high resolution thanks to its direct digital amplification throughout the signal path.

The latest MOS-FET for highly efficient speaker driving ability
MOS-FET is a key component in digital amplifiers and the AI-10 features the latest generation having ultra-high speed / high current processing capability. Combined with large toroidal power supply, speaker driving efficiency is highly optimized.

Large tonal power supply and capacitors
The large toroidal transformer has a high power handling capacity of 205 VA, supporting electric power very quickly without adding noise or distortion to internal circuits. The AI-10 uses very large capacitors rated at 135,000 µF (67,500 µF x 2 pieces) per channel, with these rich power supply components, there is no signal output capacity of 150 Watt + 150 Watt / 8 ohms (max).

Word synchronization
The AI-10 features a WORD SYNC output terminal to work as a master clock generator accurate to +/- 1 ppm. The output signal covers 44.1/88.2/176.4/48/96/192kHz clock signal frequencies. The AI-10 can also output an ESOTERIC original 100 kHz Universal Clock signal. With the word synchronization function connected to the SA-10 or other source devices, the system will deliver even better performance with improvement in transparency, separation, depth and imaging.

Optional i.LINK (AUDI0) interface
Optional i.LINK interface provides digital transmission capability of high-grade Super Audio CD’s multi-channel signals to other i.LINK equipped devices such as multi-channel D/A converter or A/V format sound processors.

Highly functional input / output terminals
- Analog audio input: unbalanced RCA x3 [Inc. phono (MM) / line convertible input x1] / balanced XLR x1
- Digital audio input: coaxial x1 / optical x1
- German made high quality WBT speaker terminal x1

Digital Integrated Amplifier, A/D Converter and Master Clock Sync Generator
AI-10

Quality, design elegance
ESOTERIC 20th ANNIVERSARY MG-10/20

Floor Standing Speaker System

ESOTERIC and TANNOY corroboration

A new speaker line, incorporating a new technical application of magnesium alloy diaphragms (96% Mg), for individual driver components

This new Mg technology was designed by ESOTERIC’s engineering department and final assembly takes place under ESOTERIC supervision in the U.K. by world-renowned British manufacturer TANNOY Ltd.

ESOTERIC’s first all magnesium diaphragm, two-way bookshelf system, has the advantage of easier high precision manufacture as compared to conventional paper or other conventional metals. This provides excellent resonance control capability. The use of Mg cones has very modern sound characteristics, free from metal’s or paper characteristics.

High sensitivity Magnesium diaphragm – superior acoustic characteristics

The Mg alloy diaphragm features extremely high sensitivity, exceptionally low thermal radiation and crystal-clear acoustic transparency. Mg alloys extremely lightweight and this characteristic is essential for reproducing delicate information from the source without coloration. The Mg diaphragm provides extremely high sensitivity and low acoustic resistance. Mg has the highest specific intensity and rigidity among industrial metals. Therefore, the diaphragm is very thin and the voice radius area thanks to ultra thin edge suspension against back radiation. Conventional paper cone Mg cone reproduces the subtlest of musical informations providing seamless link between sound and information. Mg diaphragm has shown excellent performance under the most severe listening conditions.

High internal loss – natural transient characteristics

Magnesium has superior vibration absorption quality (higher internal loss) as compared to other conventional metals. This provides outstanding resonance control capability. The use of Mg cones has very modern sound characteristics, free from metal’s or paper characteristics.

Newly designed high power driver components

The high frequency Mg driver incorporates a powerful neodymium magnet equipped with a damped cavity rear chamber to improve low end tweeter response. All new design realizes the superior characteristics of Mg alloy diaphragm. Mg diaphragm provides extremely fast acoustic response. Mg has the highest specific intensity and rigidity among industrial metals; therefore, the attack of instruments is very sharp and crystal-clear due to ultra fast sonic propagation. Mg diaphragm is three times faster than conventional paper cone. Mg cone reproduces the subtlest of musical informations providing seamless link between sound and information.

British craftsmanship – excellent cabinet design

Utilizing proven acoustic benefits of a trapezoidal cabinet design, ESOTERIC’s new speaker line series is a hallmark of traditional craftsmanship combined with a more contemporary feel. Specially selected birch (front baffle: T25mm) with American cherry wood veneer is used for finishing the cabinet. The solid American cherry wood side rails provide strength and rigidity, joining the front baffle to the cabinet resulting in very high quality finish. The combination of high end speaker cabinets and exquisite detail work allows, apart from the visual appeal, an ultra wide stance of the speaker unit in front of the listener. This custom design also helps the loudspeaker to be free from unwanted resonance.

Carefully designed crossover network and audiophile quality components

All components are high precision, low loss and thermally stable. For high frequency feed a UK made ICW polypropylene audio grade ‘Clarity Cap’ capacitor is used. This special cap provides a leading edge sonic consistency; exceptional dynamics, realistic focus, and very high order speed and depth of musical information is reproduced without acoustic coloration effects. The network components are hand selected from high quality parts to achieve an extremely pure signal path. Top quality van den Hul silver coated wiring is used throughout for complete integrity of the signal path.

Bi wire speaker terminals plus a GND terminal

The bi wire terminals or rear panel feature an “earth,” or grounding point. With the driver chassis grounded, this proven technology minimizes the effects of residual interference and results in a more transparent soundstage.
The 1953

TEAC was originally founded as Tokyo Television Acoustic Company in 1953. In that year, TEAC (then called Tokyo Kogyo Denki) was a manufacturer of television receivers. However, the company’s focus shifted towards the development of audio equipment in the early 1960s. TEAC continued to introduce stunning hi-fi technologies which were highly enhanced and accumulated experience among many true audiophiles of that era.

1987

In the early 1980's, TEAC developed many cassette deck masterpieces which had an automatic reverse mechanism. With this innovative product, TEAC made a deep impact in the world's hi-fi component market at that time. The introduction of the A-7 400RX decks was the A-7 400RX which included dbx technology—a technology first time in Japan. The next introduction in home-use open-reel tape decks was the A-350 cassette deck featuring the Dolby NR system for the first time. TEAC was leading new markets for the tape-based hi-fi audio system had begun.

1997

In subsequent years TEAC introduced the world's first open-reel tape deck which had an automatic reverse mechanism (Vibration-free Rigid Disc mechanism) and was the pinnacle of the CD player system. The P-00 CD player was a winner of many famous Japanese magazine awards and was the reference P-01/D-01 combination. The P-01/D-01, and applied new technology combined the highly enhanced and accumulated experience to demanding audiophiles, and was the most recognized and popular CD player ever. The P-01/D-01 system has become the “benchmark” in high-end CD players. Both models are highly acclaimed as “the world’s finest separate digital source system.”

2003

In 2003, ESOTERIC introduced its first Super Audio CD (SACD) player and the X-1 CD player. The ESOTERIC X-1 CD player system introduced the 3-motor open-reel tape transport system that was born in 2004. The P-01 also introduced another new “mechatronics,” technologies were highly enhanced and accumulated experience among many high-end audio manufacturers. The P-01 introduced another new technology—the X-1 CD player which had an automatic reverse mechanism. This ultimate mechanical suspension system is among many features, Japanese magazine awards, and is the reference CD player system.

History of ESOTERIC

The 20th anniversary of ESOTERIC brand audio products have been making a history of high-end audio innovations with motion... and the history goes on.

2004

In honor of the 20th anniversary, ESOTERIC introduced the X-01 Super Audio CD/CD player. The X-01 digital amplifiers are truly innovative using all magnesium diaphragms. The X-01 digital amplifiers are truly innovative using all magnesium diaphragms. The X-01 digital amplifiers are truly innovative using all magnesium diaphragms. The X-01 digital amplifiers are truly innovative using all magnesium diaphragms. The X-01 digital amplifiers are truly innovative using all magnesium diaphragms.

2006

The X-01, X-10 Super Audio CD separate source system was born in 2006. The X-01, X-10 Super Audio CD separate source system was born in 2006. The X-01, X-10 Super Audio CD separate source system was born in 2006. The X-01, X-10 Super Audio CD separate source system was born in 2006. The X-01, X-10 Super Audio CD separate source system was born in 2006.

2007

In the early 2000's, ESOTERIC introduced the X-10 Super Audio CD separate source system. The X-10 super audio CD separate source system was born in 2007.