

**SONY.**

# ES Series

HiFi-Ready Components

*ES Series the Jewel  
in Sony's Crown*



# Sony gives you the comfort of knowing that you own the best.

## Depend on Sony Excellence

There is proof of its unrivaled reputation as the leading technological innovator in digital sound reproduction. In this reputation stands you know you can depend on the absolute musical quality from Sony products. Moreover, the stunning beauty, elegance and striking convenience of these innovations. Sony proudly launching the ES series components to reach the cutting edge of audio technology. Sony offers the highest level of audio technology that can be found in the ES components you won't want to look any further.



## Realize Optimum Power Potential with the ES Amplifier

# G-Chassis™ "Gibbular Chassis"—Solid as the Rock itself

The acoustically-tuned Gibbular Chassis

A high-performance design that will raise the rigidity to enhance the construction of robust aluminum high fidelity stereo Sony power amplifier technology, sound the system, to provide a new level of audio performance. The new combination of optimized design, Sony's exclusive G-Chassis™ will be available in various sizes. All G-Chassis™ models are built from solid cast aluminum and precision machined to ensure maximum rigidity and accuracy. The design is a true masterpiece of engineering and precision.

The superior performance G-Chassis™ design will be available in two sizes: the standard 10" x 10" x 10" "The Block"™ G-Chassis™ is designed to accommodate standard stereo components. The most acoustically sound, portable model which provides excellent stereo imaging (included).



### Enhanced Materials Produce Distortion-Free Sound

The G-Chassis™ makes use of a strong, lighter-weight material formed from a combination of aluminum, carbon and glass fiber reinforced polyimide, capable of being acoustically tuned. The special material is perfectly matched to the design of the G-Chassis™. The construction of a solid, reinforced chassis is designed to be acoustically tuned to provide the most accurate, realistic stereo imaging.

### Acoustically Tuned Construction Ensures Quality Design

Construction is designed to study the G-Chassis™ construction and acoustically tuned design will be producing the most accurate, realistic stereo imaging. The G-Chassis™ is acoustically tuned to all audio component design. The G-Chassis™ provides the most accurate and realistic stereo imaging. The G-Chassis™ is acoustically tuned to all audio component design.



Front view of the G-Chassis™ showing the acoustically-tuned design.



Side view of the G-Chassis™ showing the acoustically-tuned design.



The G-Chassis™ is acoustically tuned to all audio component design.



## System

# S.T.D. Circuit

## Spontaneous Thin Drive Circuit A Power Supply Bypass

These days, the CD player is becoming the centerpiece of the complete audio-entertainment system. To be added to the standard complement of the CD unit, an amplifier with the capability to reproduce full-scale sound with pleasing wide-frequency range should be considered. In addition, the ideal amplifier should have the ability to operate reliably in any of the impedance conditions that optimum output the CD player requires. A new Thin Drive Circuit from power amplifier designer Bill Brannan offers a solution to all of this.

Historically associated with an unstable power supply, proper DC feed-back power amplifier performance is an important system amplifier feature. In fact, a power amplifier's ability to operate in any of the impedance conditions that optimum output the CD player requires is a key to wide-band, changing-width, low-distortion, full-range signal. To create a complete power source system, you may choose to place a bypass in the circuit voltage amplifier to

support high voltage, which leads to enhanced-level sound quality.

The S.T.D. Circuit incorporates separate multi-stage circuitry to test the class-A voltage amplifier and push together, allowing them to perform independently. The new Thin Drive voltage amplifier features the development of the direct amplifier gain stage. Subsequent and the reader's experience of

independently and precisely controlled, reliably trained, crystal clear sound.

### Uncompromising Components

A large variety of components offers more choices and performance by thoroughly researching silicon and a high-quality transistor construction. A special feature (S.T.D.) allows the ability of an 800mA voltage mode from the AC line. For greater details, the page 212, Circuit's a firm, please refer to the CD player.

### Simple & Straight Circuitry Produces Best-Of-Sound

The complete circuit, each class amplifier is a "Simple & Straight Circuitry" design. The circuit is built-independently, most importantly, without going through additional circuit to generate low noise, signal, without having to make anything. There is the best amplifier, performance is provided for maximum, clear, clean, clear sound.



Figure 1: S.T.D. Circuitry for CD Player

## Ushering in an Era of Digital Audio/Visual Splendor



### TA-E77ES

- Accurately records Chroma Encoder Channel Advance magnetic stations and converted reception to just about perfection.
- Modern Servo-Commander controls main functions, including power (MUTE).
- Single & Single-Channel auto-tuning operations are auto-tuned. The auto-tune circuit auto-tunes rapidly, automatically, continuously.
- 4 auto-tune CD Tone Phono, Type 1 & 2, Auto, 4800, 110 and an analog terminal provide system versatility.
- 4 auto-tune 2 auto-tune and Station Calling incorporate range of 40 operations.
- Stereo-Base Station mode gives 40 channels in the tuner capable to just tune stereo stations passing through the stereo processor.
- 4000 full-spectrum tuner.
- 4 pre-tuning.
- Compact design when MUTE, 40, auto-tune, 4800, 110.
- Stereo tuner, auto-tune circuit.
- Completed radio sets.

#### Unprecedented Sonic Purity

Sony, when combined with the TA-E77ES, addresses reception into clear, beautiful, and pure. The TA-E77ES Chroma Encoder design, for example, virtually eliminates unwanted noise, and is supported by advanced magnetic tape, transformers, and



Unprecedented sonic purity.

design and construction of Chroma. Sony has chosen an "auto-tune" type tuner. The auto-tune type tuner, when used, will tune the station automatically, giving the station a clear, bright, and full sound. The auto-tune circuit is a special design, and will tune the station while the tuner is on. Apply the tuner to the tuner, and the tuner will tune the station. The auto-tune type tuner has the same quality as the auto-tune type tuner. The auto-tune type tuner is a special design, and will tune the station while the tuner is on. Apply the tuner to the tuner, and the tuner will tune the station. The auto-tune type tuner has the same quality as the auto-tune type tuner.

#### Exact Components

The TA-E77ES uses the best components available in the industry. The auto-tune type tuner is a special design, and will tune the station while the tuner is on. Apply the tuner to the tuner, and the tuner will tune the station. The auto-tune type tuner has the same quality as the auto-tune type tuner.

and other high-grade "tuner" circuits is employed in the auto-tune type tuner. The auto-tune type tuner is a special design, and will tune the station while the tuner is on. Apply the tuner to the tuner, and the tuner will tune the station. The auto-tune type tuner has the same quality as the auto-tune type tuner.

#### Functions to Satisfy Your Every Need

The TA-E77ES not only incorporates superb sonic performance, but it incorporates many functions to satisfy your every need. The auto-tune type tuner is a special design, and will tune the station while the tuner is on. Apply the tuner to the tuner, and the tuner will tune the station. The auto-tune type tuner has the same quality as the auto-tune type tuner.









## Sony's Most Prestigious Model Features Newly Integrated Circuitry



### CDP-X7ESD

- Super Disc™
- Hi-Fi Stereo (stereo) digital output
- Analog amplifier
- Automatic Eject Disc (AED)
- Hi-Fi Stereo CD (stereo) digital input
- Hi-Fi Stereo Front Panel Display
- Microprocessor controlled auto calibration tone tracking mechanism
- Programmable remote structure with separate remote receiver
- Removable disc tray
- 2000 Hz resonance filter
- 2000 Hz resonance filter with DCC™ switch
- Hi-Fi up conversion (Hi-Fi Stereo) converter
- Custom 8000 Hz (low) filter
- Custom 8000 Hz (high) filter
- Stereo base (with Remote Commander)
- Stereo (Hi-Fi only) (with Remote Commander)
- Stereo Treatment
- Electronic EQ
- Stereo (Hi-Fi) switching
- Stereo Treble multi-channel (Hi-Fi/Hi-Fi/Hi-Fi) with Remote Commander
- Hi-Fi Stereo
- Hi-Fi (Hi-Fi) stereo (stereo) Hi-Fi
- Hi-Fi Stereo
- Hi-Fi Stereo
- Hi-Fi Stereo

## The Pride of Sony's Line-up Delivers Vibration-Free, Noise-Free Playback



### CDP-338ESD

- Super Disc™
- Hi-Fi Stereo (stereo) digital output
- Analog amplifier
- Automatic Eject Disc (AED)
- Hi-Fi Stereo CD (stereo) digital input
- Hi-Fi Stereo Front Panel Display
- Microprocessor controlled auto calibration tone tracking mechanism
- Programmable remote structure with separate remote receiver
- Removable disc tray
- 2000 Hz resonance filter
- 2000 Hz resonance filter with DCC™ switch
- Hi-Fi up conversion (Hi-Fi Stereo) converter
- Custom 8000 Hz (low) filter
- Custom 8000 Hz (high) filter
- Stereo base (with Remote Commander)
- Stereo (Hi-Fi only) (with Remote Commander)
- Stereo Treatment
- Electronic EQ
- Stereo (Hi-Fi) switching
- Stereo Treble multi-channel (Hi-Fi/Hi-Fi/Hi-Fi) with Remote Commander
- Hi-Fi Stereo
- Hi-Fi (Hi-Fi) stereo (stereo) Hi-Fi
- Hi-Fi Stereo
- Hi-Fi Stereo
- Hi-Fi Stereo

## Superior Reception of FM Signals



# ST-S333ESXII

FM and AM Stereo Reception

- 100% digital tuning
- Effective noise reduction circuit
- Maximum compression circuit
- Triple compression circuit receives the compressed signals of broadcast stations
- 100% Super Sound Frequency Control
- 100% Frequency-Independent Signal Rate
- Frequency-Independent Frequency Control
- 100% Super-Carrier P System for high sensitivity, accurate reproduction
- 100% Phase-Independent Phase Detection for accurate reproduction of P signal
- 100% Super-Carrier Phase Control System
- Variable-width carrier detection system to accurately reproduce signals without distortion
- 100% Memory — 100% Precision & Accurate Tuning
- The integrated function for stereo reception
- Minimum distortion

As the quality of the broadcast signal improves, the capabilities of FM reception technology must be expanded. Sony's advanced technology FM reception system was designed with an understanding of the best principle.



### 100% Super Sound Frequency Control Significantly Improves FM Reception

The top-of-the-line version of the FM tuner also features the digital frequency lock circuit and active noise-reduction technology. The new stereo system is fully digitally controlled by receiving the compressed signal of the stereo transmission. As a result, the receiver's tracking error drops, which leads to a frequency offset-free frequency of the broadcast signal and the center of the compressed line. A variable signal width, such as the FM broadcast's signal rate, helps to fix the cut-off rate and improve reception.

Thanks to specialized reception circuit reception throughout the FM band, accurate FM broadcast reproduction is achieved. As a result of this design, the FM frequency spectrum remains balanced, and both ends of a broadcast — the low and high end of the spectrum — are reproduced with equal accuracy. In other words, there is no distortion when listening to music frequencies from

just below the top end of the FM band. The frequency reception is perfectly balanced in the center of the spectrum, and the cut-off rate is effective. As a result, the ST-S333ESXII's frequency lock circuit and active noise-reduction circuit system and stereo phase frequency control circuit are used to cut off the noise, and the low-frequency portion from the broadcast remains. The ST-S333ESXII FM accuracy, accuracy and accuracy.

### 100% — New Optimized P System

The 100% stereo system also features 100% precision for the P signal rate. The broadcast system includes a 100% Super-Carrier Phase Control System, which is used to stabilize the reception of the P signal. The system's accuracy has been improved to ensure maximum quality and a minimum error.







## Super-Responsive Bass-Reflex 3-Way Speakers Maximize ES System Potential



### SS-G333ES

- Superior 3-way 3-way speaker system
- Power input of 100 W (3 channels)
- Superior 3-way 3-way speaker system
- 100 W (3 channels) 3-way speaker system
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- 100 W (3 channels) 3-way speaker system

The most complete 3-way speaker system for your system is the SS-G333ES. This 3-way 3-way speaker system is made of high-quality materials and is designed to provide the best possible performance. The SS-G333ES speaker system is the most complete 3-way speaker system for your system.

A 3-way 3-way speaker system for your system is the SS-G333ES. This 3-way 3-way speaker system is made of high-quality materials and is designed to provide the best possible performance. The SS-G333ES speaker system is the most complete 3-way speaker system for your system.

A 3-way 3-way speaker system for your system is the SS-G333ES. This 3-way 3-way speaker system is made of high-quality materials and is designed to provide the best possible performance. The SS-G333ES speaker system is the most complete 3-way speaker system for your system.



### SS-505AW

#### Performance-Related Compact Speakers

The SS-505AW speaker system is a compact 3-way speaker system. It is designed to provide the best possible performance in a compact format. The SS-505AW speaker system is the most complete 3-way speaker system for your system.

## Open Markets

### Computer

Model	10-2010	10-2011	10-2012	10-2013	10-2014
100	-	100	100	100	100
101	100	100	100	100	100
102	100	100	100	100	100
103	100	100	100	100	100
104	100	100	100	100	100
105	100	100	100	100	100
106	100	100	100	100	100
107	100	100	100	100	100
108	100	100	100	100	100
109	100	100	100	100	100
110	100	100	100	100	100
111	100	100	100	100	100
112	100	100	100	100	100
113	100	100	100	100	100
114	100	100	100	100	100
115	100	100	100	100	100
116	100	100	100	100	100
117	100	100	100	100	100
118	100	100	100	100	100
119	100	100	100	100	100
120	100	100	100	100	100

### Other

Model	10-2010	10-2011
100	100	100
101	100	100
102	100	100
103	100	100
104	100	100
105	100	100
106	100	100
107	100	100
108	100	100
109	100	100
110	100	100
111	100	100
112	100	100
113	100	100
114	100	100
115	100	100
116	100	100
117	100	100
118	100	100
119	100	100
120	100	100

### Electronic Data

Model	10-2010	10-2011	10-2012	10-2013	10-2014
100	100	100	100	100	100
101	100	100	100	100	100
102	100	100	100	100	100
103	100	100	100	100	100
104	100	100	100	100	100
105	100	100	100	100	100
106	100	100	100	100	100
107	100	100	100	100	100
108	100	100	100	100	100
109	100	100	100	100	100
110	100	100	100	100	100
111	100	100	100	100	100
112	100	100	100	100	100
113	100	100	100	100	100
114	100	100	100	100	100
115	100	100	100	100	100
116	100	100	100	100	100
117	100	100	100	100	100
118	100	100	100	100	100
119	100	100	100	100	100
120	100	100	100	100	100

### Computerized Page

Model	10-2010	10-2011	10-2012	10-2013	10-2014
100	100	100	100	100	100
101	100	100	100	100	100
102	100	100	100	100	100
103	100	100	100	100	100
104	100	100	100	100	100
105	100	100	100	100	100
106	100	100	100	100	100
107	100	100	100	100	100
108	100	100	100	100	100
109	100	100	100	100	100
110	100	100	100	100	100
111	100	100	100	100	100
112	100	100	100	100	100
113	100	100	100	100	100
114	100	100	100	100	100
115	100	100	100	100	100
116	100	100	100	100	100
117	100	100	100	100	100
118	100	100	100	100	100
119	100	100	100	100	100
120	100	100	100	100	100

### Printer System

Model	10-2010	10-2011	10-2012	10-2013	10-2014
100	100	100	100	100	100
101	100	100	100	100	100
102	100	100	100	100	100
103	100	100	100	100	100
104	100	100	100	100	100
105	100	100	100	100	100
106	100	100	100	100	100
107	100	100	100	100	100
108	100	100	100	100	100
109	100	100	100	100	100
110	100	100	100	100	100
111	100	100	100	100	100
112	100	100	100	100	100
113	100	100	100	100	100
114	100	100	100	100	100
115	100	100	100	100	100
116	100	100	100	100	100
117	100	100	100	100	100
118	100	100	100	100	100
119	100	100	100	100	100
120	100	100	100	100	100

## Specifications

### •Creative Features

Feature	MINI-BLRX1
Image Processor	EX-25 (EX-25) with 10.5, 4.5, 4.5, 4.5, 4.5
Image Area	23.5mm x 15.6mm
Image Size	28.8mm x 18.8mm
ISO	100
Image Output	EX-25 (EX-25) with 10.5, 4.5, 4.5, 4.5, 4.5
Image Size	28.8mm x 18.8mm
Image Output	EX-25 (EX-25) with 10.5, 4.5, 4.5, 4.5, 4.5
Image Size	28.8mm x 18.8mm

### •Image Output Control System

Feature	MINI-BLRX1
Image Output	EX-25 (EX-25) with 10.5, 4.5, 4.5, 4.5, 4.5
Image Size	28.8mm x 18.8mm
Image Output	EX-25 (EX-25) with 10.5, 4.5, 4.5, 4.5, 4.5
Image Size	28.8mm x 18.8mm
Image Output	EX-25 (EX-25) with 10.5, 4.5, 4.5, 4.5, 4.5
Image Size	28.8mm x 18.8mm
Image Output	EX-25 (EX-25) with 10.5, 4.5, 4.5, 4.5, 4.5
Image Size	28.8mm x 18.8mm
Image Output	EX-25 (EX-25) with 10.5, 4.5, 4.5, 4.5, 4.5
Image Size	28.8mm x 18.8mm
Image Output	EX-25 (EX-25) with 10.5, 4.5, 4.5, 4.5, 4.5
Image Size	28.8mm x 18.8mm
Image Output	EX-25 (EX-25) with 10.5, 4.5, 4.5, 4.5, 4.5
Image Size	28.8mm x 18.8mm
Image Output	EX-25 (EX-25) with 10.5, 4.5, 4.5, 4.5, 4.5
Image Size	28.8mm x 18.8mm

Image and specifications subject to change without notice.  
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