

Presenting the Natural Sound

Home Theater and HiFi Components





Natural Sound Components to Match Everyone's Lifestyle

Yamaha has been dedicated to the creation and reproduction of music for over 100 years, as a world-renowned piano and musical instrument manufacturer, and as a leader in home audio. With today's active lifestyles and expanding range of entertainment choices, everyone has their favorite music and video sources, so we offer products in a variety of categories. In this catalog, you will find AV Components, Digital Sound Projector™, HiFi Components and Desktop Audio Systems. Select the ones that meet your needs and start enjoying the high quality Natural Sound of Yamaha.



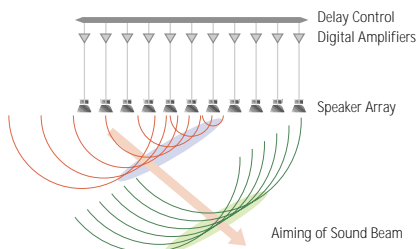
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Digital Sound Projector™ Technology

Digital Sound Projector™ Technology

The YSP components apply sophisticated Digital Sound Projector™ Technology to precisely control the orientation of the sound by focusing it into beams. The center channel sound is heard directly, while sounds from other channels are heard after reflecting off walls. The result is true multi-channel surround sound that sounds just like a multi-speaker system – but without the need for extra speakers!



Multiple channels are superimposed to create the sound. In a 5.1-channel configuration, the beam speakers together create the sound of 5.1 superimposed channels.



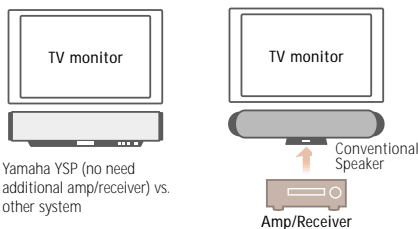
Digital Amplifier Built-in

The YSP components have a powerful and efficient digital amplifier built in. There is no need for you to



Sound is projected at the listener from five directions: straight ahead, reflected off one wall, and reflected off two walls (so it is heard from the rear).

purchase an additional amplifier or receiver, so the system is compact and economical.



IntelliBeam Automated System Calibration

This Yamaha exclusive feature ensures optimum multi-channel sound reproduction with accurate image location. By monitoring and analyzing the

sound with the microphone included with the YSP components, IntelliBeam automatically sets the best beam angles and modes, while optimizing the level and frequency response of each beam. This makes initial setup both extremely simple while acoustically perfect. Manual setup is also possible.

IntelliBeam

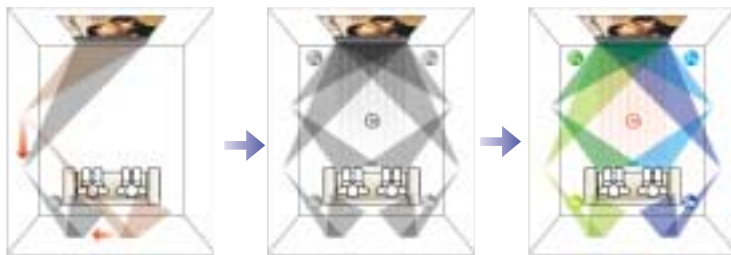


Wide Variety of Beam Settings

My Surround mode provides surround sound without reflecting the beams off the walls. It is handy for rooms where for some reason the walls can not be used well and delivers a good surround effect when listeners are close to the unit.

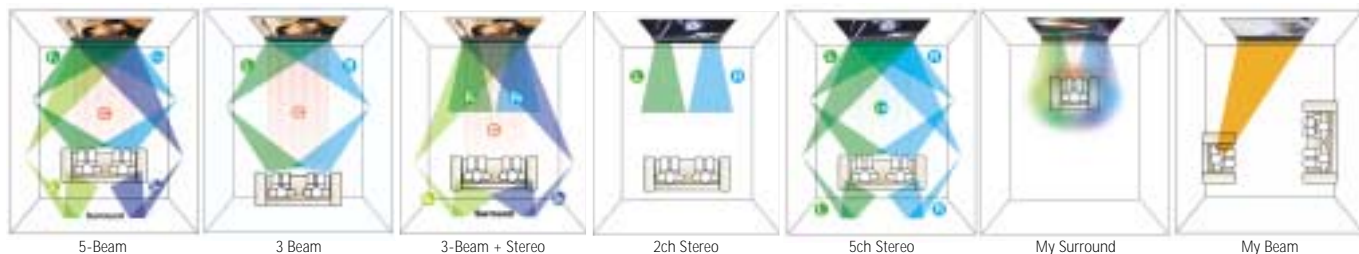
My Beam setting focuses the sound at a specific listening position, so even in noisy surroundings you can hear dialogue and other sounds clearly. A sonic sensor allows you to select My Beam with the remote control from almost any angle. There are also five other selectable beam settings: 5 Beam, 3 Beam, 3 Beam + Stereo, 2ch Stereo and 5ch Stereo that outputs stereo sources from all of the 5-channel beams, providing a more expansive sound field.

IntelliBeam Automated System Calibration



Left: Each sound beam is precisely directed. Center: Total sound beam effect is optimized. Right: Sound is monitored and analyzed, after which frequency response and other parameters are optimized for the room.

Wide Variety of Beam Settings





Digital Home Theater Technology

● High Sound Quality

Discover the Pleasure of HD Audio

New Yamaha amplifier and receivers enable you to enjoy the stunningly rich and beautiful surround sound offered by Blu-ray Disc players and HD-DVD players. You can play sources that use the two lossy formats Dolby Digital Plus and DTS HD High Resolution, as well as the higher quality lossless formats Dolby TrueHD and DTS-HD Master Audio.

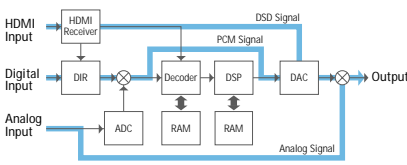


Digital ToP-ART and High Current Amplification

Yamaha's Digital ToP-ART concept combines the latest and best technologies, parts and circuit designs to maximize sound quality. A new interior layout completely isolates the digital, analog and video sections and provides the shortest possible signal routes. Top quality parts include Burr-Brown 192kHz/24-bit DACs, a low-noise discrete power supply and custom-made block capacitors. High Current Amplification circuitry achieves high current power with low impedance for superior amplifier performance.



Pure Direct Block Diagram (RX-V3800 and RX-V1800)



Pure Direct ON

Pure Direct delivers two-channel audio sources such as CD and multi-channel audio sources including Super Audio CD and DVD-Audio at levels of sound quality that will satisfy even the most dedicated music lovers. (Also compatible with HD audio bitstream signals in DSP-Z11, RX-V3800 and RX-V1800)

Pure Direct for Highest Sound Quality

Pure Direct is a special listening mode that causes the signal to bypass all but the most basic audio circuitry. It even turns off the display to prevent any chance of electrical noise interference. You will hear the purest possible sound from all sources including USB and HDMI inputs.

HDMI 1.3a Compatibility

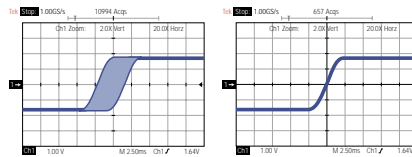
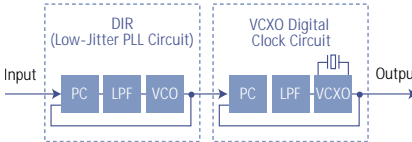
Compatibility with the latest HDMI 1.3a specification means you can enjoy incredibly clear images with awesome color performance, as well as the purest digital sound, via a single HDMI cable.



Low-Jitter PLL Circuitry

A low-jitter PLL circuit in the preamplifier stage significantly reduces jitter from digital inputs for enhanced sound processing. This is particularly effective in improving the sound quality of digital signals that are input via HDMI. The addition of a VCXO digital clock circuit further reduces the possibility of jitter distortion.

DSP-Z11 Low-Jitter PLL and VCXO Digital Clock Circuits



Conventional circuit shows a wide range of jitter while the DSP-Z11 preamplifier exhibits virtually no jitter.

● High Picture Quality

1080p-Compatible HDMI (DSP-Z11, RX-V3800, RX-V1800, RX-V861 and RX-V661)

These components have the capability of repeating 1080p video signals from HDMI input to HDMI output. Multiple inputs are provided, so the user can switch among them.

HDMI Video Upconversion (DSP-Z11, RX-V3800, RX-V1800 and RX-V861)

One way of ensuring the highest video quality for your home theater system is to use the best possible video signal. These components have a function to upgrade the input signal (composite to S-Video, component or HDMI, S-Video to component or HDMI and component to HDMI) to the one that your monitor/TV can accept. This means that you simply use the best possible cable between the receiver and the monitor/TV, and then whatever the source is, you are assured of getting the highest possible quality.

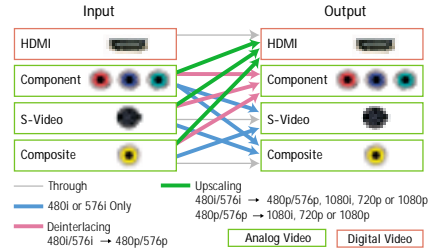


DSP-Z11 Digital video circuit board

Full HD 1080p Video Upscaling

The DSP-Z11, RX-V3800 and RX-V1800 also utilize scaler engine that can independently scale an image horizontally and vertically to further improve the picture quality on high resolution displays (to 1080i/720p or even 1080p with HDMI output).

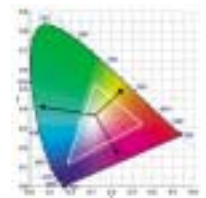
RX-V3800 and RX-V1800 full video upconversion



Deep Color, xvYCC, Auto Lip-Sync and Refresh Rates

The HDMI 1.3a, provides the benefits of Deep Color (30/36bit), the xvYCC color standard, Auto Lip-Sync function that automatically adjusts the lag between video and audio, and a double speed Refresh Rates of 100Hz/120Hz and 1080p/24Hz.

When you use the DSP-Z11's HDMI outputs to transmit video signals, you enjoy spectacular color performance. One reason is that HDMI 1.3a uses a new color standard called xvYCC, which supports 1.8 times as many colors as previous HDTV signals. This expanded range of colors means that HDTVs can display images with colors that are far more natural and vivid than ever before.



DSP-Z11 High Quality Audio Parts
1 Volume IC JRC NJM1194 (left), Burr Brown audio DAC (DSD1796, center) and Op amp LM4562 (right)
2 Schottky barrier diodes



3 High efficiency heat sink
4 Extra-large power transformer
5 Custom-made 27,000µF block capacitors
6 Large-size speaker terminals

● Advanced Features

YPAO Sound Optimization

Yamaha's YPAO Sound Optimization system analyzes the room acoustics and various system factors, then makes adjustments to provide optimum sound quality. In addition to the previous adjustments for speaker size, distance and wiring, plus equalization and level, Advanced YPAO gives this useful function even higher performance, with four new capabilities. The first is measurement at multiple locations for a larger "sweet spot" at the listening position, the second is the use of parametric equalization to cancel the effects of standing waves, the third is speaker angle measurements to optimize CINEMA DSP effects, and the fourth is an Easy Starter feature.



Microphone base (DSP-Z11)

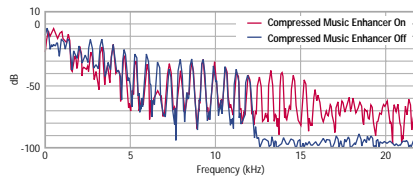
Compressed Music Enhancer

MP3, AAC and other music formats that use digital compression cut out music data in the high and low frequency ranges and eliminate small sounds during high volume segments in order to decrease the size of the data. The fact that data is missing is difficult to hear with portable players, but when listening through speakers it is clearly apparent that part of the musical nuance is lost. When you listen to this music, you will be dissatisfied with the inadequate brilliance of the high range, and with the thin response in the mid-low range.

The Compressed Music Enhancer is an exclusive Yamaha function that uses our



proprietary DSP technology to create harmonics from the remaining music data utilized by the DSP circuit. It focuses on the fact that the music elements that are lost when the original music is digitally compressed are mainly the harmonics. It combines High Frequency Expansion Processing, which improves the unconstrained treble sound, with Low Frequency Emphasis Processing, which supplements the deep bass sound. These processes vividly revive the range, presence, force and dynamism of compressed music.



We recommend using the Compressed Music Enhancer function when listening to songs with a groove feeling and lively music such as Rock, Soul, Disco and R&B.



On-Screen Display

An on-screen GUI (Graphical User Interface) display makes operating the component easy and intuitive. It is compatible with iPod, Internet Radio, PC and USB displays.

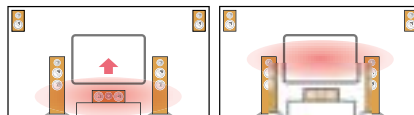


DSP-Z11 GUI (Setup Menu)

The display on some components allows six languages to be selected: English, Spanish, French, German, Russian and Japanese.

Dialogue Lift

Clear dialogue is important for movie enjoyment, however, when using front and center speakers positioned below the screen, dialogue may not be



Before using Dialogue Lift

Ideal dialogue position

heard with maximum clarity. The Dialogue Lift function causes part of the front and center channel sound to be output from the presence speakers, so you hear the dialogue more clearly.

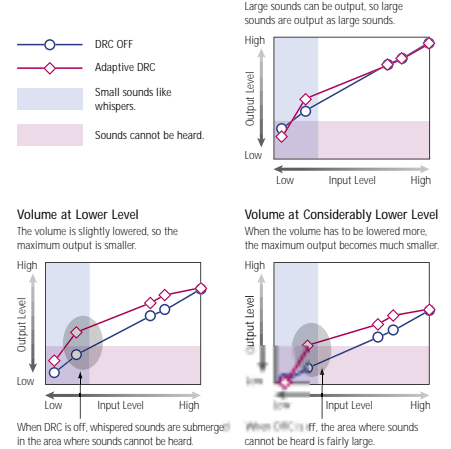
Assignable Amplifiers for Bi-Amp Connection

Bi-amping assigns the amps used for the surround back channels to work in conjunction with the front speaker amps to provide separate high and low frequency outputs to the front speakers. This provides more power to the front speakers for multi-channel or HiFi sound. Both high frequency and low frequency sound quality is improved.

Adaptive DRC

Adaptive DRC (Dynamic Range Control) is a new volume control technology that is effective for low-volume listening, such as at night or with headphones. It applies DRC processing to eliminate the volume differences between loud commercials and ordinary programming and to take into account our ears' loss of sensitivity as volume decreases. The compensation is performed automatically, so all dialogue is heard clearly even at low levels, and there are no sudden loud bursts of sound.

Effect of Adaptive DRC

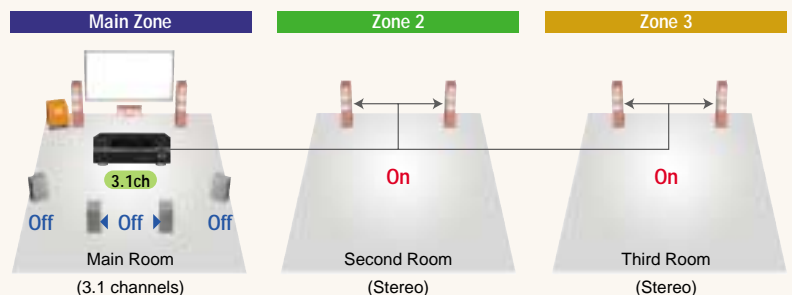


Custom Installation Compatibility

Yamaha has made it extremely convenient to set up a multi-room custom installation, and given you the ability to do it in a variety of ways. Now you can have sound in various rooms of the house without the need to purchase a lot of extra components.

Two Ways to Enjoy Sound in Your Home (RX-V1800)

For multi-room custom installations, power amp channels can be assigned in two ways: five for the Main Zone and two for Zone 2 (for 5.1 channel sound in the main room), and three for the Main Zone and two each for Zones 2 and 3 (for music in all three rooms without the need for extra amplifiers).

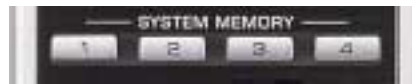




Digital Home Theater Technology

Examples of System Memory Use

You can use the System Memory function to easily save and recall various combinations of system settings. For example, if you have a particular "sound" that you prefer with action movies, just save those settings and then press that memory button whenever you watch an action movie. The DSP-Z11 provides ten System Memories for the main zone (audio, speaker configuration, video, volume, input/HDMI out and option). It also has four System Memories for zones 2, 3 and 4 (input, volume and tone control). The RX-V3800 and RX-V1800 let you save up to six different system settings. System Memory is an easy way to ensure that you enjoy the best possible sound with different sources and room conditions. It is especially useful with high-end models that have a wide range of customizable parameters.



DSP-Z11 System Memory buttons on remote unit

SYSTEM MEMORY 1: Default setting
 SYSTEM MEMORY 2: Multiple point measurement setting
 SYSTEM MEMORY 3: Single point measurement setting

Optimize the settings for use when listening with friends or alone. Use the multiple point measurement to enter settings in one System Memory and the single point measurement feature to enter your preferred listening position in another System Memory. Select the former when listening with friends and the latter when listening alone.

SYSTEM MEMORY 1: Setting when curtains are closed
 SYSTEM MEMORY 2: Setting when curtains are open

The acoustic characteristics of a room can vary depending on various factors, for instance, whether the curtains are closed or open. Memorise the settings for each room condition and select them accordingly.

System Memory GUI (DSP-Z11)



System Memory default setting



Four System Memory settings for each of the sub-zones



System Memory rename setting



10 System Memory settings for main zones

* Use System Memory to save and recall up to ten (DSP-Z11) or six of your favorite settings for the main zone. The DSP-Z11 can also save up to four settings for each of the other three zones.

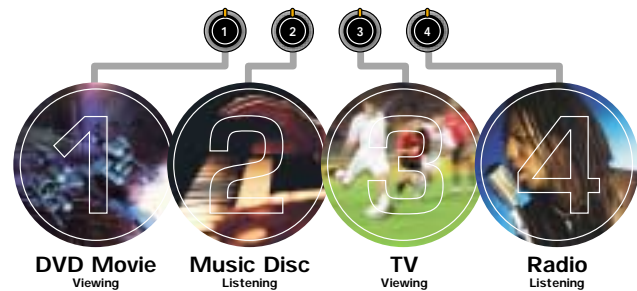
SCENE Offers Greater Operating Ease

With most receivers, watching or listening to what you want requires a number of steps. You have to turn on the receiver, turn on another component like a DVD player, select the source, select the surround mode and then press play. But with Yamaha's SCENE feature all you need to do is press one button. Both components turn on, the correct DSP setting is made, and play begins.

The receiver has four pre-programmed SCENE buttons that initiate a series of actions. Their default settings are DVD Movie Viewing, Music Disc Listening, TV Viewing and Radio Listening. However, if you have different preferences you can customize the SCENE buttons by selecting from a variety of templates. For example, you can choose iPod listening, TV sports viewing or action game playing. The chart shows which templates are available.

Operating a receiver has never been this quick and simple!

SCENE



SCENE Templates

Model	RX-V861/RX-V661	RX-V461	RX-V361
DVD	DVD Viewing DVD Movie Viewing ① DVD Live Viewing	DVD Viewing DVD Movie Viewing ① DVD Live Viewing	DVD Viewing DVD Movie Viewing ① DVD Live Viewing
DVR	DVR Viewing	DVR Viewing	DVR Viewing
DVD-Audio/ Super Audio CD/CD	Disc HiFi Listening Music Disc Listening ② Disc Listening CD HiFi Listening	Disc HiFi Listening Music Disc Listening ② Disc Listening CD HiFi Listening	Music Disc Listening ② Disc Listening
CD	CD Listening CD Music Listening	CD Listening CD Music Listening	CD Listening CD Music Listening
TUNER/RADIO	Radio Listening ④	Radio Listening ④	Radio Listening ④
iPod	iPod Listening	iPod Listening	
TV	TV Viewing ③ TV Sports Viewing	TV Viewing ③ TV Sports Viewing	TV Viewing ③ TV Sports Viewing
GAME	Action Game Playing RPG Playing	Game Playing	Game Playing
LP Record	LP Record Listening		
Template Total	17	15	12





Digital Home Theater Technology

● Surround Realism

Going Beyond Ordinary Surround Sound
Yamaha's DSP (Digital Sound Field Processing) technology is effective for both music and movies. It uses the most advanced LSIs and draws on the deep understanding of sound and music that we have accumulated through musical instrument manufacturing, acoustic design, and our relationships with artists all over the world. With dialogue, music and effects ideally located in separate sound fields, you will hear sound with accurate placement, smooth movement, exceptional clarity and richness, and startlingly realistic presence. It will seem as if the walls of your room have disappeared and you are in the middle of your own immense theater!

Creating Sound Fields Based on Actual Data
Yamaha DSP uses a unique measurement technique called Closely Located Four-Point Microphones and powerful data storage capabilities to capture sound field data from excellent acoustic venues such as famous concert halls and jazz clubs around the world. This real-world data forms the basis for the sophisticated sound fields that are achieved through Yamaha's exclusive Digital Sound Field Processing.

- HiFi DSP Programs

Like Having a Perfect Seat at a Famous Venue
Based on data recorded in famous entertainment venues around the world, these programs reproduce the original sound field of the performance spaces in your room. You have a choice of various sound fields, such as Concert Hall that reproduces the rich reverberations of the shoebox type concert halls in Vienna, Jazz Club that conveys the energy of a live club in New York, and Rock Concert that brings you the exciting atmosphere of a rock venue in Los Angeles.

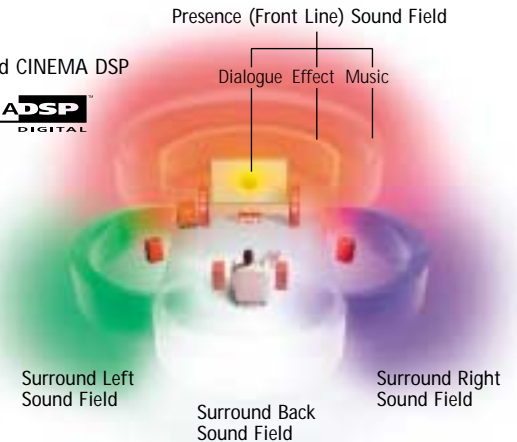
- CINEMA DSP Programs

For Amazingly Realistic Sound from Movies and Other Entertainment Choices
Yamaha's DSP expertise eliminates the differences

Conventional
7.1-Channel Systems



Quad-Field CINEMA DSP



between the acoustic environments of movie theaters and home theater rooms. You can enjoy dynamic surround sound that is actually closer to what the director intended than you hear in a movie theater. Movie program choices include Spectacle for movies with strong visual impact, Sci-Fi for SFX movies, Adventure to emphasize the sound of action movies, and General (Drama) for romantic movies. There are also programs that let you enjoy various types of entertainment such as musicals, operas, sportscasts and games with greatly increased dynamic presence. These programs are effective with both multi-channel and stereo sources.

- The Continuing Evolution of CINEMA DSP
CINEMA DSP 3D and CINEMA DSP HD³

The RX-V3800 features surround sound processing with the enhanced capability of CINEMA DSP 3D. By using two presence speakers in addition to the four FL/FR and SL/SR speakers, the sound field is given an extra vertical dimension. Pressing the 3D DSP button provides a sound field that expands both upward and downward. HiFi DSP programs sound more natural, closer to the feeling of actually being in a concert hall with a high ceiling or a small live house where the sound seems to

bounce up from the floor. CINEMA DSP programs have an added dimension of height that was previously difficult to achieve, so sounds coming from above have precise localization.

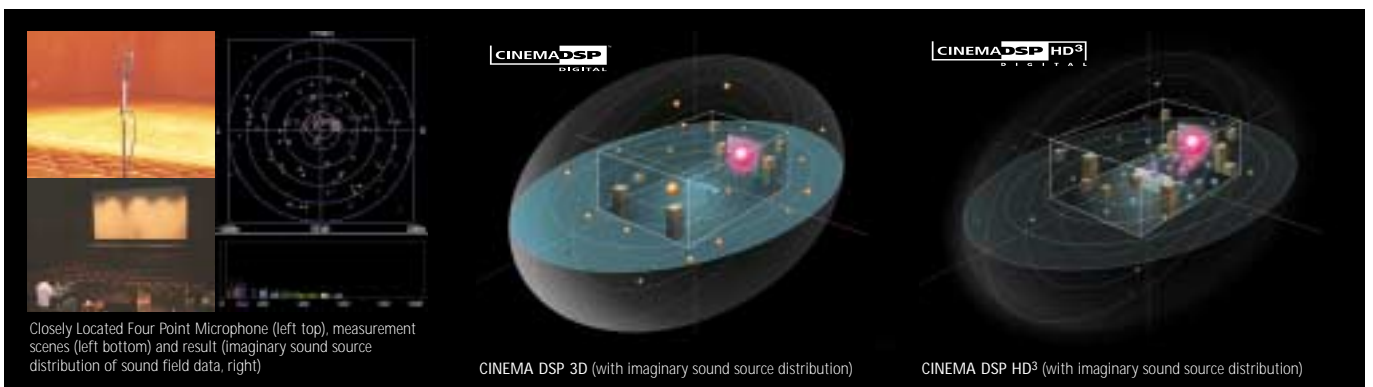
The DSP-Z11 introduces Yamaha's latest digital sound field processing refinement: CINEMA DSP HD³. It utilizes four CINEMA DSP engines and permits lossless decoding of 192kHz signals, while providing 3D processing that gives the sound field an extra vertical dimension. In its full 11-channel configuration setting it adds two presence and two rear presence speakers, offering the enjoyment of a completely new sound stage.

- SILENT CINEMA

Surround Sound through Your Headphones

Late at night when you do not want loud sound from speakers, or at times when you are bothered by surrounding noise, you can still appreciate the full benefits of home theater thanks to SILENT CINEMA. It delivers the dynamic sound of 5.1-channel surround through your headphones. Naturally, you can select from the diverse range of surround programs suited to the movie or music.

SILENT™
CINEMA



Closely Located Four Point Microphone (left top), measurement scenes (left bottom) and result (imaginary sound source distribution of sound field data, right)

CINEMA DSP 3D (with imaginary sound source distribution)

CINEMA DSP HD³ (with imaginary sound source distribution)



HDMI and Advanced Video Functions

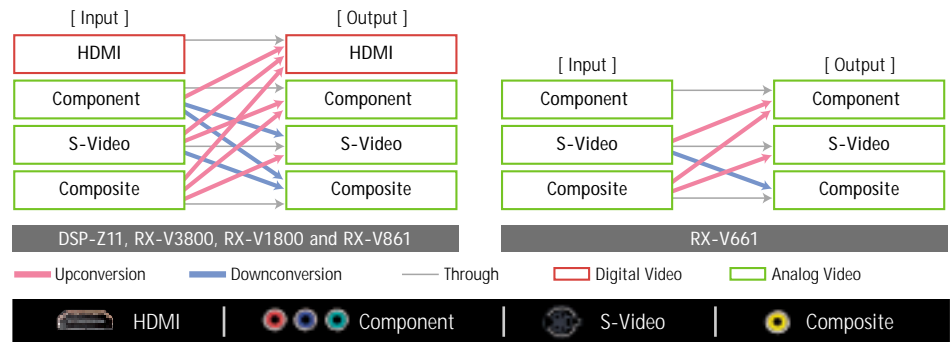
● HDMI – Only one cable is required to carry picture and sound

HDMI (High Definition Multimedia Interface) can carry more than one type of media, namely audio and video, in a single digital interface. Yamaha AV Amplifier/Receivers equipped with HDMI provide the most advanced method of delivering high quality video signals to a home theater system to enable the reproduction of DVD and satellite TV sources with HD quality. They can also decode HD audio signals from sources such as Blu-ray and HD DVD discs.



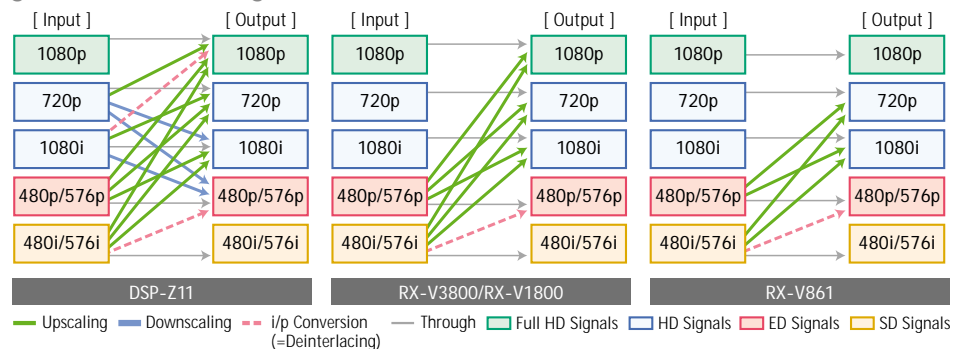
● Video Upconversion

This is a function that converts signals from composite (video) terminals or S-Video terminals to output from higher quality component or HDMI terminals, as shown the right column. This ensures the highest possible picture quality from the AV Receiver to a monitor or TV via a single cable. It also performs Downconversion among component, S-Video and composite signals.



● HDMI Digital Signal Upscaling and Deinterlacing

This is a function that upscales analog composite or S-Video 480i/576i and component 480i/576i or 480p/576p signals to 1080i/720p HD signals or even 1080p Full HD signals so they can be output digitally from an HDMI terminal and viewed at highest quality on high-definition displays. In addition, the analog video signals deinterlaced from 480i/576i to 480p/576p (also 1080i to 1080p in DSP-Z11) are output at the HDMI terminal.



* Deinterlacing output to component video (480i/576i → 480p/576p) is also available in DSP-Z11, RX-V3800 and RX-V1800.

Comparison of AV Amplifier/Receivers with HDMI

	DSP-Z11	RX-V3800	RX-V1800	RX-V861	RX-V661
Video	Supporting Resolution	Up to 1080p	Up to 1080p	Up to 1080p	Up to 1080p
	Analog Video to HDMI Digital Video Upscaling	Up to 1080p	Up to 1080p	Up to 1080p	Up to 1080i/720P
	HDMI Deinterlacing (480i/576i to 480p/576p)	■ (Also 1080i to 1080p)	■	■	■
	Full Analog Video Upconversion to HDMI	■	■	■	■
Audio	HD Audio Bitstream Signals	■	■	■	■
	HD Audio PCM Signals	■	■	■	■
	DSD Signals	■	■	■	■
	DVD-Audio	■	■	■	■



A brand new style of home theater.

Providing true multi-channel surround sound from a single unit, the Digital Sound Projector™ is nothing short of a stylistic revolution in home theater design. No speakers, no cables, just one elegant unit on a rack or mounted on a wall. Surround sound has never been this easy.

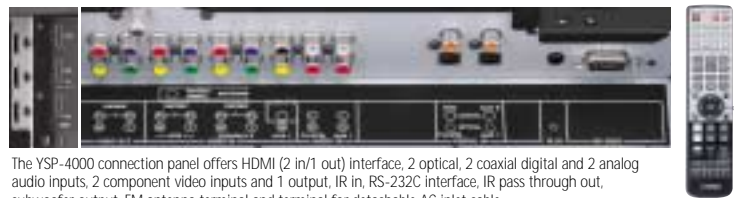


YSP-4000



Digital Sound Projector

- Digital amplifier built-in (120W total power: 2W x 40 + 20W x 2)
- HDMI Interface (2 in/1 out: 1080p/24Hz, 50Hz and 60Hz compatible)
- Analog video to HDMI digital video upconversion
- Deinterlacing and upscaling through HDMI output (480i/576i to 1080i/720p)
- IntelliBeam Automated System Calibration
- Compressed Music Enhancer
- FM tuner built-in
- Front panel mini jack input for portable audio player connection
- Wide variety of Beam Modes (5 Beam, 3 Beam + Stereo, 3 Beam, 2ch Stereo/5ch Stereo, My Beam and My Surround)
- 7 CINEMA DSP programs
- Multi-language on-screen display (English, Spanish, French, German, Italian, Dutch and Russian)
- Custom installation with IR pass through, remote in and RS-232C interface



The YSP-4000 connection panel offers HDMI (2 in/1 out) interface, 2 optical, 2 coaxial digital and 2 analog audio inputs, 2 component video inputs and 1 output, IR in, RS-232C interface, IR pass through out, subwoofer output, FM antenna terminal and terminal for detachable AC inlet cable.



Silver finish available.



SPM-K30:
Optional wall hanging bracket for YSP-4000

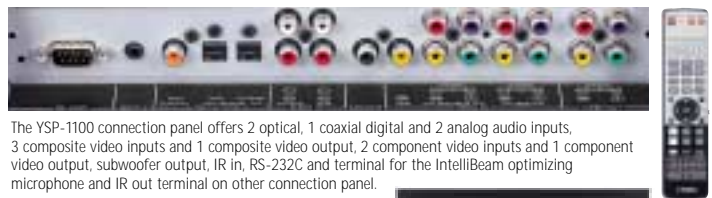


YSP-1100



Digital Sound Projector

- Digital amplifier built-in (120W total power: 2W x 40 + 20W x 2)
- IntelliBeam Automated System Calibration
- Wide variety of Beam Modes (5 Beam, 3 Beam + Stereo, 3 Beam, 2ch Stereo and My Beam)
- 7 CINEMA DSP programs
- Night Listening mode and TV Volume Equal mode
- Turn On Volume presets volume level at power on
- Multi-language on-screen display (English, Spanish, French and German)
- TruBass for more dynamic bass sound
- Custom installation with IR pass through, remote in and RS-232C interface



The YSP-1100 connection panel offers 2 optical, 1 coaxial digital and 2 analog audio inputs, 3 composite video inputs and 1 composite video output, 2 component video inputs and 1 component video output, subwoofer output, IR in, RS-232C and terminal for the IntelliBeam optimizing microphone and IR out terminal on other connection panel.



Black finish available.



SPM-K11:
Optional wall hanging bracket for YSP-1100



YSP-3000



Digital Sound Projector

- Digital amplifier built-in (82W total power: 2W x 21 + 20W x 2)
- HDMI Interface (2 in/1 out: 1080p/24Hz, 50Hz and 60Hz compatible)
- IntelliBeam Automated System Calibration
- FM tuner built-in
- Front panel mini jack input for portable audio player connection
- Wide variety of Beam Modes (5 Beam, 3 Beam + Stereo, 3 Beam, 2ch Stereo/5ch Stereo, My Beam and My Surround)
- 3 CINEMA DSP programs
- Multi-language on-screen display (English, Spanish, French, German, Italian, Dutch and Russian)
- Compressed Music Enhancer



The YSP-3000 connection panel offers HDMI (2 in/1 out) interface, 2 optical/2 coaxial digital and 2 analog inputs, video out for on-screen display, subwoofer output and FM antenna terminal.



Silver finish available.



SPM-K30:
Optional wall hanging bracket for YSP-3000



YSP-900



Digital Sound Projector

- Digital amplifier built-in (82W total power: 2W x 21 + 20W x 2)
- IntelliBeam Automated System Calibration
- Wide variety of Beam Modes (5 Beam, 3 Beam + Stereo, 3 Beam, 2ch Stereo and My Beam)
- 3 CINEMA DSP programs
- Night Listening mode and TV Volume Equal mode
- Turn On Volume presets volume level at power on
- Multi-language on-screen display (English, Spanish, French and German)
- TruBass for more dynamic bass sound



The YSP-900 connection panel offer 2 optical/1 coaxial digital and 2 analog inputs, subwoofer output, video out for on-screen display and system connector for subwoofer.



Black finish available.



SPM-K8:
Optional wall hanging bracket for YSP-900



YSP-500

Digital Sound Projector

- Digital amplifier built-in (62W total power: 2W x 16 + 15W x 2)
- IntelliBeam Automated System Calibration
- Wide variety of Beam Modes (5 Beam, 3 Beam + Stereo, 3 Beam, 2ch Stereo, My Beam and My Surround)
- Night Listening mode and TV Volume Equal mode
- Turn On Volume presets volume level at power on
- Multi-language on-screen display (English, Spanish, French, German, Italian, Dutch and Russian)
- TruBass for more dynamic bass sound



The YSP-500 connection panel offers 2 optical/1 coaxial digital and 2 analog inputs, video out for on-screen display, subwoofer output and system connector for subwoofer on/off.



Recommended Usages with Subwoofers



YST-FSW150
 Advanced YST II and Down-Firing
 Rack Mountable Subwoofer



YST-FSW050
 Advanced YST II and Down-Firing
 Rack Mountable Subwoofer



YST-FSW100
 Advanced YST II and FD-Bass
 Slim-Design Subwoofer





Yamaha takes AV amplifier evolution to a new peak with an enormous range of exciting capabilities.

Yamaha's main goal for the DSP-Z11 was to achieve the highest possible sound quality through lossless reproduction via HDMI signal transmission. We began with no preconceived notions, designing everything purely for the purpose of creating a new amplifier standard for the HD audio era. We focused especially on the fact that not only analog and digital signal transmission by coaxial or optical routes, but also transmission by the HDMI route will be a priority in the future.

DIGITAL
TOP·ART



DSP-Z11



11.2-Channel Digital Home Theater Amplifier

- Discrete 11-channel amplifier configuration delivering a total of 1,180W (140W x 7 + 50W x 4 RMS) / 1,700W (200W x 7 + 75W x 4 Max) powerful surround sound
- HD Audio format signals capability: Dolby Digital Plus, Dolby Digital TrueHD, DTS-HD High Resolution and DTS-HD Master Audio
- Latest HDMI 1.3a (5 in/2 out) with Deep Color (30/36 bit), xvYCC color space, Refresh Rates of 100/120Hz and 1080p/24Hz and Auto Lip-Sync compensation
- Analog and HDMI Video Upscaling to Full HD 1080p and downscaling to 480p/576p
- Support for digital connection to Blu-ray Disc and HD DVD players
- Network Receiver functions
- New CINEMA DSP HD³ with 33 DSP programs
- THX Ultra2 Plus with 7 THX programs
- New Pure Direct for lossless audio formats also
- iPod compatibility via optional Yamaha YDS-10
- USB flash drive/music player (MP3/WMA/WAV) compatibility
- Advanced YPAO Auto Setup including Multiple Points measurement and Specialized Parametric Equalizer for standing wave reduction
- GUI on-screen display (6 languages: English, Spanish, French, German, Russian and Japanese)
- Improved Compressed Music Enhancer with Straight Enhancer mode
- 10 System Memories for Main Zone and 4 System Memories for each Zone
- Versatile Zone Control (Zone 2/3/4) with Preamp Mode, Party Mode, Zone Mono, etc.



OIL-Damped Hidden Control Panel

Brilliant Audio: Titanium



Titanium and gold finish available in some areas.



Optional YDS-10 Universal Dock for iPod
• Dimension (W x H x D): 79 x 33.5 x 70 mm
iPod not included.



Direct-access (macro-command, learning and preset capable) remote unit with shock sensor illuminated buttons (right) and simplified remote unit (left)



DIGITAL
TOP·ART



RX-V3800



7.1-Channel Digital Home Theater Receiver

- 7-channel 980W (140W x 7 RMS) / 1,295W (185W x 7 Max) powerful surround sound
- HD Audio format signals capability: Dolby Digital Plus, Dolby Digital TrueHD, DTS-HD High Resolution and DTS-HD Master Audio
- Latest HDMI 1.3a (4 in/1 out) with Deep Color (30/36 bit), Refresh Rates of 100/120Hz and 1080p/24Hz and Auto Lip-Sync compensation
- Analog Video Upscaling to Full HD 1080p
- Support for digital connection to Blu-ray Disc and HD DVD players
- Network Receiver functions
- New CINEMA DSP 3D with 22 DSP programs
- Pure Direct for higher fidelity sound reproduction
- iPod compatibility via optional Yamaha YDS-10
- USB flash drive/music player (MP3/WMA/WAV) compatibility
- YPAO Short-Cut Setup
- GUI on-screen display (6 languages: English, Spanish, French, German, Russian and Japanese)
- Improved Compressed Music Enhancer with Straight Enhancer mode
- System Memory buttons on remote unit
- Superior multi-zone control with Zone 2 Video Out



Oil-Damped Hidden Control Panel

Optional YDS-10 Universal Dock for iPod

- Dimension (W x H x D): 79 x 33.5 x 70 mm
- iPod not included.



Brilliant Audio: Titanium Titanium finish available in some areas.



Direct-access (macro-command, learning and preset capable) remote unit with illuminated buttons (right) and dedicated zone remote unit (left)

DIGITAL
TOP·ART

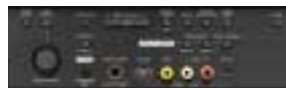


RX-V1800



7.1-Channel Digital Home Theater Receiver

- 7-channel 910W (130W x 7 RMS) / 7-channel 1,225W (175W x 7 Max) powerful surround sound
- HD Audio format signals capability: Dolby Digital Plus, Dolby Digital TrueHD, DTS-HD High Resolution and DTS-HD Master Audio
- Latest HDMI 1.3a (4 in/1 out) with Deep Color (30/36 bit), Refresh Rates of 100/120Hz and 1080p/24Hz and Auto Lip-Sync compensation
- Analog Video Upscaling to Full HD 1080p
- Support for digital connection to Blu-ray Disc and HD DVD players
- Fine-Tuned CINEMA DSP with 22 DSP programs
- Pure Direct for higher fidelity sound reproduction
- iPod compatibility via optional Yamaha YDS-10
- YPAO Short-Cut Setup
- On-screen display
- Improved Compressed Music Enhancer with Straight Enhancer mode
- System Memory buttons on remote unit
- Superior multi-zone control with Zone 2/Zone 3



Oil-Damped Hidden Control Panel

Optional YDS-10 Universal Dock for iPod

- iPod not included.



Brilliant Audio: Titanium Titanium and Gold finish available in some areas.



Direct-access (macro-command, learning and preset capable) remote unit with luminescent buttons (right) and dedicated zone remote unit (left)



Don't limit your choices!

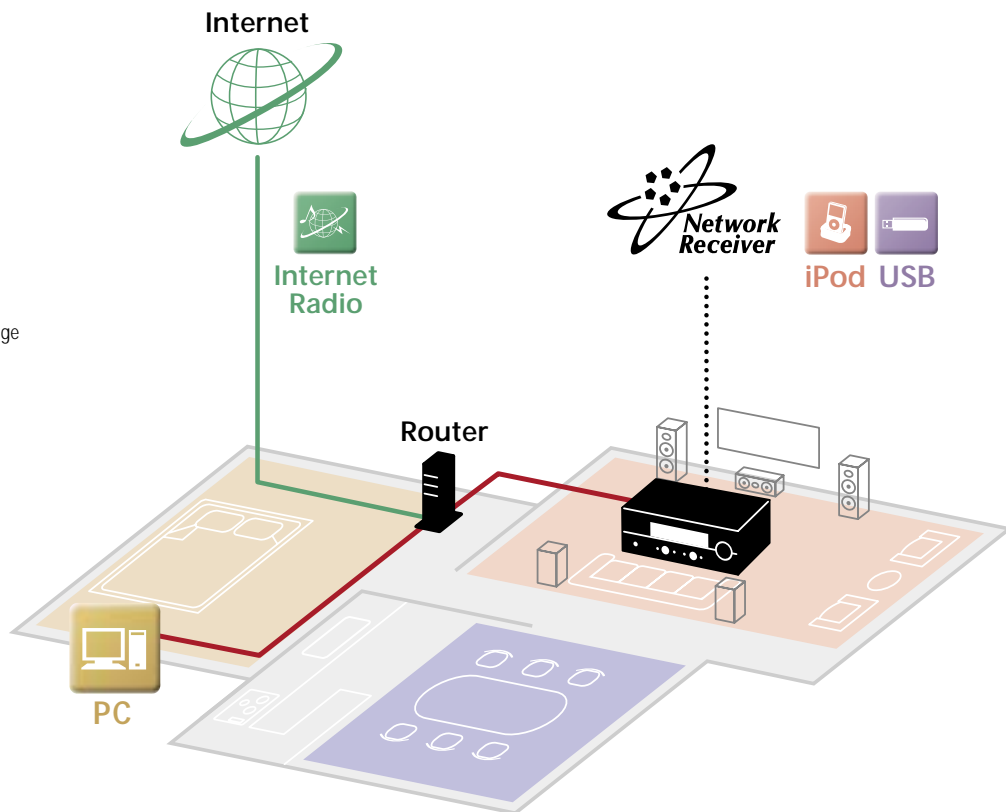
With a Network Receiver you can connect a wide range of multimedia entertainment sources.



DSP-Z11
Digital Home Theater Amplifier



RX-V3800
Digital Home Theater Receiver



Enjoy Internet Radio.

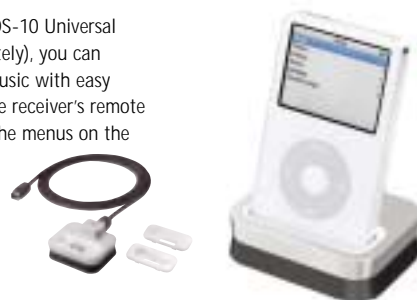
A major benefit of Internet Radio is that it lets you hear all types of music from around the world. By connecting a Network Receiver to the Internet, you can browse a list of more than 2,000 Internet Radio stations, plus a list of podcasts. Just select a station with the remote unit and start enjoying the wide variety of Internet Radio choices.

- **Bookmarks:** Select your bookmarks directly from a list.
- **Locations:** Select Internet Radio stations and podcasts according to their locations (countries).
- **Genres:** Select Internet Radio stations and podcasts by music genre.
- **New Stations:** Select Internet Radio stations from stations that have recently begun to broadcast.
- **Popular Stations:** Select Internet Radio stations from the most popular stations.
- **Podcasts:** Select podcasts by location (country) or genre.



Hook Up Your iPod with the Optional Universal Dock YDS-10.

With Yamaha's YDS-10 Universal Dock (sold separately), you can enjoy your iPod music with easy operation from the receiver's remote unit and browse the menus on the on-screen display. You can even watch iPod video images and photos on a TV.



Use Your PC as a Music Server.

Why listen to your playlists through PC speakers or a MP3 Player when you can enjoy them with much better quality from your home audio system? Connect a Network Receiver to your home network and browse and play music files stored on your PC. In fact, it can handle files stored on four PCs, so the whole family can enjoy their own music.



Connect a USB MP3 Player.

The Network Receiver has a USB terminal on its front panel. Just insert a USB MP3 Player, USB memory or storage device such as HDD into the terminal and start enjoying all your music files.



DIGITAL
TOP·ART



RX-V861



7.1-Channel Digital Home Theater Receiver

- 7-channel 735W (105W x 7 RMS) / 1,015W (145W x 7 Max) powerful surround sound
- 1080p-compatible HDMI (2 in/1 out)
- Full analog video upconversion to HDMI with TBC
- Deinterlacing and upscaling through HDMI output (480i/576i to 1080i/720p)
- 4 SCENE buttons make operation much easier
- Quad-Field CINEMA DSP with 17 DSP programs
- Digital ToP-ART with the finest parts

- used throughout
- Pure Direct for higher fidelity sound reproduction
- iPod compatibility via optional Yamaha YDS-10
- Improved YPAO sound optimization
- On-screen display
- Assignable amplifiers for bi-amp connection
- Superior multi-zone control compatibility



Optional YDS-10
Universal Dock for iPod
• Dimension (W x H x D):
79 x 33.5 x 70 mm
iPod not included.



Brilliant Audio: Titanium
Titanium finish available in some areas.



Luminescent preset remote unit with illuminated input indicators

DIGITAL
TOP·ART



RX-V661



7.1-Channel Digital Home Theater Receiver

- 7-channel 630W (90W x 7 RMS) / 910W (130W x 7 Max) powerful surround sound
- 1080p-compatible HDMI (2 in/1 out)
- 4 SCENE buttons make operation much easier
- Quad-Field CINEMA DSP with 17 DSP programs
- Digital ToP-ART with the finest parts used throughout
- Pure Direct
- iPod compatibility via optional Yamaha YDS-10

- Improved YPAO sound optimization
- Full analog video upconversion
- On-screen display
- Compressed Music Enhancer
- Assignable amplifiers for bi-amp connection
- Superior multi-zone control compatibility



Optional YDS-10
Universal Dock for iPod
• iPod not included.



Brilliant Audio: Titanium
Titanium finish available in some areas.



Luminescent preset remote unit with illuminated input indicators



RX-V461



5.1-Channel Digital Home Theater Receiver

- 5-channel 500W (100W x 5 RMS) / 675W (135W x 5 Max) powerful surround sound
- 4 SCENE buttons make operation much easier
- 8 DSP programs: 3 HiFi DSP and 5 CINEMA DSP programs
- Direct Stereo for high quality 2-channel sound reproduction
- iPod compatibility via optional Yamaha YDS-10
- YPAO sound optimization
- On-screen display
- Compressed Music Enhancer
- Front panel mini jack input for portable audio player connection
- 3 HDTV compatible component video inputs
- Audio Delay for adjusting lip-sync



Optional YDS-10 universal dock for iPod
• iPod not included.



Brilliant Audio: Titanium
Titanium and Silver finish available in some areas.



Preset remote unit



RX-V361



5.1-Channel Digital Home Theater Receiver

- 5-channel 500W (100W x 5 RMS) / 675W (135W x 5 Max) powerful surround sound
- 4 SCENE buttons make operation much easier
- 8 DSP programs: 3 HiFi DSP and 5 CINEMA DSP programs
- Compressed Music Enhancer
- Night Listening Enhancer (Cinema/Music) and SILENT CINEMA
- Front panel mini jack input for portable audio player connection
- Audio delay for adjusting lip-sync
- 192kHz/24-bit DACs for all channels
- 3 HDTV compatible component video inputs
- 9 selectable subwoofer crossover frequencies
- Subwoofer phase select



Brilliant Audio: Titanium
Titanium and Silver finish available in some areas.



Preset remote unit

DVD Players



DVD-S1700 DVD-Audio/Video and Super Audio CD Player



Brilliant Audio: Titanium
Titanium finish available in some areas.

- HDMI output including 1080p video out
- DVD-Audio and Super Audio CD playback
- Audio Direct mode
- Noise Shaped Video™
- Faroudja DCDI™ processing
- MP3, JPEG, DivX® and WMA playback
- Bass Management
- Progressive Scan (NTSC/PAL)
- Wide screen mode selection
- 216MHz/12-bit video DAC
- 192kHz/24-bit audio DAC
- On-screen display with GUI
- Gold-plated terminals for all pin jacks
- Video picture mode
- Picture CD playback
- 3-step dimmer modes
- NTSC/PAL complete conversion
- Multiple repeat play
- Program play
- Screen saver
- Aluminum front panel
- Discrete remote control commands



DVD-S661 HDMI DVD Player



Brilliant Audio: Titanium
Titanium finish available in some areas.

- HDMI Interface
- USB port for direct playback of MP3/WMA/DivX®/JPEG from USB devices
- High-definition JPEG picture playback
- Progressive Scan (NTSC/PAL)
- Official DivX® Ultra Certified product
- MP3/JPEG simultaneous playback for slide show
- MP3, JPEG, DivX® and WMA playback
- Wide screen modes for HDMI



HTiB (Home Theater in a Box)



Powerful 5.1-channel HTiB includes an active subwoofer and a new level receiver with high-end features such as Yamaha's new SCENE, Compressed Music Enhancer and front panel mini jack for portable audio player.



YHT-185

Home Theater in a Box



5.1-Channel Digital Home Theater Receiver **HTR-6030**

- 5-channel 500W (100W x 5 RMS) / 675W (135W x 5 Max) powerful surround sound
- 4 SCENE buttons
- 8 DSP programs: 3 HiFi DSP and 5 CINEMA DSP programs
- Compressed Music Enhancer
- Night Listening Enhancer and SILENT CINEMA
- Front panel mini jack input for portable audio player connection
- Audio delay for adjusting lip-sync
- 192kHz/24-bit DACs for all channels
- 3 HDTV-compatible component video inputs
- 9 selectable subwoofer crossover frequencies
- Subwoofer phase select

5.1-Channel Speaker Package **NS-P270D**

- Advanced YST 16cm 100W subwoofer for powerful bass response
- 2-way design for high sound quality (4 satellites)
- Compact design and flexible placement
- Magnetic shielding allows placement near a TV (all speakers)
- Dimensions (W x H x D): Weight: 105 x 151 x 113 mm/0.8 kg (4 satellites), 300 x 72 x 113 mm/0.9 kg (center), 200 x 365 x 370 mm/8.5 kg (subwoofer)

Optional Speaker Stands **SPS-80**

- Dimensions (W x H x D): Weight: 300 mmφ (base), 650-900 mm (height); 1.9 kg



Silver finish available in some areas.

Surround Programs

DSP-Z11 40 Surround (33 DSP) Programs	
Compatible Decoding Formats	
	Dolby Digital
	Dolby Digital EX
	Dolby Digital Plus
	Dolby Digital TrueHD
	DTS Digital Surround
	DTS-ES Matrix 6.1
	DTS-ES Discrete 6.1
	DTS 96/24
	DTS-HD High Resolution Audio
	DTS-HD Master Audio
	Dolby Pro Logic
	Dolby Pro Logic II Music
	Dolby Pro Logic II Movie
	Dolby Pro Logic II Game
	Dolby Pro Logic IIx Music
	Dolby Pro Logic IIx Movie
	Dolby Pro Logic IIx Game
	DTS Neo:6 Music
	DTS Neo:6 Cinema
HiFi DSP Programs	
CLASSICAL1	Hall in Munich A
	Hall in Munich B
	Hall in Frankfurt
	Hall in Stuttgart
	Hall in Vienna
CLASSICAL2	Hall in Amsterdam
	Hall in USA A
	Hall in USA B
	Chamber
	Church in Tokyo
LIVE/CLUB	Church in Freiburg
	Church in RoYaumont
	Village Gate
	Village Vanguard
	The Bottom Line
STEREO	Cellar Club
	The Roxy Theatre
HiFi DSP Subtotal	Warehouse Loft
	Arena
STEREO	11 Channel Stereo
	HiFi DSP Subtotal
CINEMA DSP Programs	
MOVIE	Standard
	Spectacle
	Sci-Fi
	Adventure
	Drama
ENTERTAINMENT	Mono Movie
	Sports
	Music Video
	Recital/Opera
	Pavilion
CINEMA DSP Subtotal	Disco
	Action Game
	Roleplaying Game
	13
THX Programs	
THX	Surround EX
	Ultra2 Cinema
	Cinema
	Ultra2 Music
	Music
THX Subtotal	Ultra2 Games
	Games
THX Subtotal	7
Program Total	40

RX-V3800 / RX-V1800 22 DSP Programs	
Compatible Decoding Formats	
	Dolby Digital
	Dolby Digital EX
	Dolby Digital Plus
	Dolby Digital TrueHD
	DTS Digital Surround
	DTS-ES Matrix 6.1
	DTS-ES Discrete 6.1
	DTS 96/24
	DTS-HD High Resolution Audio
	DTS-HD Master Audio
	Dolby Pro Logic
	Dolby Pro Logic II Music
	Dolby Pro Logic II Movie
	Dolby Pro Logic II Game
	Dolby Pro Logic IIx Music
	Dolby Pro Logic IIx Movie
	Dolby Pro Logic IIx Game
	DTS Neo:6 Music
	DTS Neo:6 Cinema
HiFi DSP Programs	
CLASSICAL	Hall in Munich
	Hall in Vienna
	Hall in Amsterdam
	Church in Freiburg
	Chamber
LIVE/CLUB	Village Vanguard
	Warehouse Loft
	Cellar Club
STEREO	The Roxy Theatre
	The Bottom Line
HiFi DSP Subtotal	7 Channel Stereo
	11
CINEMA DSP Programs	
MOVIE	Standard
	Spectacle
	Sci-Fi
	Adventure
	Drama
ENTERTAINMENT	Mono Movie
	Sports
	Action Game
	Roleplaying Game
CINEMA DSP Subtotal	Music Video
	Recital/Opera
Program Total	22

RX-V861 / RX-V661 17 DSP Programs	
Compatible Decoding Formats	
	Dolby Digital
	Dolby Digital EX
	DTS Digital Surround
	DTS-ES Matrix 6.1
	DTS-ES Discrete 6.1
	DTS 96/24
	Dolby Pro-Logic
	Dolby Pro Logic II Music
	Dolby Pro Logic II Movie
	Dolby Pro Logic II Game
	Dolby Pro Logic IIx Music
	Dolby Pro Logic IIx Movie
	Dolby Pro Logic IIx Game
	DTS Neo:6 Music
	DTS Neo:6 Cinema
HiFi DSP Programs	
CLASSICAL	Hall in Munich
	Hall in Vienna
	Chamber
LIVE/CLUB	Cellar Club
	The Roxy Theatre
STEREO	The Bottom Line
	7 Channel Stereo
HiFi DSP Subtotal	7
CINEMA DSP Programs	
MOVIE	Standard
	Spectacle
	Sci-Fi
	Adventure
	Drama
ENTERTAINMENT	Mono Movie
	Sports
	Action Game
CINEMA DSP Subtotal	Roleplaying Game
	Music Video
Program Total	17

RX-V461 / RX-V361 / HTR-6030 8 DSP Programs	
Compatible Decoding Formats	
	Dolby Digital
	DTS Digital Surround
	Dolby Pro Logic
	Dolby Pro Logic II Music
	Dolby Pro Logic II Movie
	Dolby Pro Logic II Game
HiFi DSP Programs	
MUSIC	Hall
	Jazz
STEREO	5 Channel Stereo
HiFi DSP Subtotal	3
CINEMA DSP Programs	
ENTERTAINMENT	Game
	TV Sports
	Pop/Rock
MOVIE	Movie Spacious
	Movie Dramatic
CINEMA DSP Subtotal	5
Program Total	8



HX Series Digital Home Theater Reference Speaker Systems

We developed the HX Series as a home theater reference speaker system worthy of the Yamaha name. With a Waveguide horn for superior spatial expression, light and stiff white spruce diaphragms (WSD), 3-way mitered cabinets and more, these are the ultimate choice for top quality home theater enjoyment.



NS-8HX

3-Way 4 Speaker Bass-Reflex Speaker System



NS-6HX

3-Way Bass-Reflex Speaker System



NS-4HX

2-Way Bass-Reflex Speaker System



NS-2HX

2-Way Bass-Reflex Speaker System



NS-C7HX

2-Way Acoustic Suspension Center Speaker System



NS-C5HX

2-Way Acoustic Suspension Center Speaker System



525 A-PMD Series Digital Home Theater Speaker Systems

Designed for Natural Sound reproduction in the tradition of fine-quality Yamaha speakers. Featuring Advanced PMD cones with aluminum diecast baskets, DC-Diaphragm™ tweeters and innovative cabinet technology.



The YST-SW515 is designed to acoustically match the speakers in the 525 A-PMD Series.



NS-525F

3-Way Bass-Reflex Tower Speaker System



NS-M525

2-Way Bass-Reflex Speaker System



NS-C525

2-Way Bass-Reflex Center Speaker System



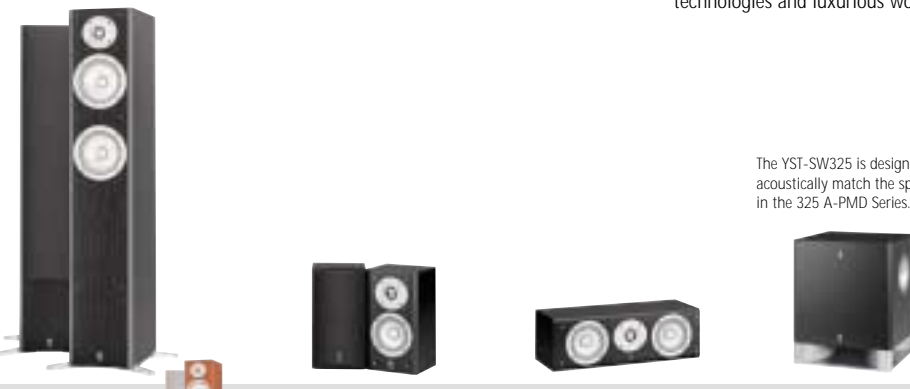
YST-SW515

Advanced YST II and QD-Bass Subwoofer



325 A-PMD Series Digital Home Theater Speaker Systems

High performance home theater speakers designed for Natural Sound reproduction with Advanced PMD cones, DC-Diaphragm™ tweeters, innovative cabinet technologies and luxurious wood finish.



The YST-SW325 is designed to acoustically match the speakers in the 325 A-PMD Series.



NS-325F

2-Way Bass-Reflex Tower Speaker System



NS-M325

2-Way Acoustic Suspension Speaker System



NS-C325

2-Way Acoustic Suspension Center Speaker System



YST-SW325

Advanced YST II and QD-Bass Subwoofer



EF Series Digital Home Theater Speaker Systems

The EF (Elliptical Form) Series feature Waveguide horns, PMD cone woofers and highest quality internal Monster Cable wiring for total enjoyment of digital movie sound and music sources, plus elegant Yamaha traditional piano finish cabinets.



NS-777

3-Way, 4-Speaker Bass-Reflex Speaker System

NS-555

3-Way, 4-Speaker Bass-Reflex Speaker System

NS-333

2-Way Bass-Reflex Speaker System

NS-C444

2-Way Acoustic Suspension Center Channel Speaker System

225 PMD Series Digital Home Theater Speaker Systems

These slim, high-performance speaker systems are exactly what today's home theater enthusiasts are looking for. Their luxurious open pore finish is matched by powerful, accurate sound reproduction from PMD cone woofers and aluminum-magnesium dome tweeters with DC-Diaphragm™ (integrated diaphragm and voice coil).



The YST-SW225 is designed to acoustically match the speakers in the 225 PMD Series.



NS-225F
2-Way Bass-Reflex Speaker System

NS-M225
2-Way Acoustic Suspension Speaker System

NS-C225
2-Way Acoustic Suspension Center Speaker System

YST-SW225
Advanced YST II and QD-Bass Subwoofer

125 Series Digital Home Theater Speaker Systems

The 125 Series sports thin styling to match flat TVs and plasma displays. Excellent sound quality is assured through the use of dual 8cm white cone woofers and a 2.2cm balanced dome tweeter, along with twin bass reflex ports in the tower speakers.



The YST-SW011 is designed to acoustically match the speakers in the 125 Series.



NS-125F
2-Way Bass-Reflex Speaker System

NS-P125
Center and Surround Channel Speaker Package

YST-SW011
Advanced YST II and QD-Bass Subwoofer

HT Series Digital Home Theater Speaker Systems

Yamaha recommends a 6.1-channel/5.1-channel combination of the NS-9002/ NS-8390/NS-7390/NS-6490/NS-50F (for front L/R), the NS-P70 (for 6.1-channel system) and NS-P60 (for 5.1-channel system), and the Advanced YST subwoofer. To enjoy the full dynamic potential of contemporary movies, this Yamaha combination is ideal.



NS-9002
3-Way Bass-Reflex Speaker System



NS-8390
3-Way Bass-Reflex Tower Speaker System



NS-7390
3-Way, 3-Speaker
Bass-Reflex Tower Speaker System



NS-6490
3-Way Acoustic Suspension
Speaker System



NS-50F
2-Way, 3-Speaker Bass-Reflex
Tower Speaker System



NS-P70
Center and Surround Channel
Speaker Package for 6.1-Channel System



NS-P60
Center and Surround Channel
Speaker Package for 5.1-Channel System

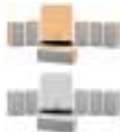


Package Speakers Digital Home Theater Speaker Packages

Here is a quick way to great home theater enjoyment — buy all your speakers in one package. You get speakers that are a very reasonable price!



NS-P446
Digital Home Theater
6.1-Channel Speaker Package



NS-P440
Digital Home Theater
5.1-Channel Speaker Package



NS-P276
Digital Home Theater
6.1-Channel Speaker Package



NS-P270
Digital Home Theater
5.1-Channel Speaker Package



NS-P240
Digital Home Theater
5.1-Channel Speaker
Package



NS-P110
Digital Home Theater
5.1-Channel Speaker
Package



SPS-80
Optional Speaker Stands for NS-P276,
NS-P270, NS-P240 and NS-P110
• 300 mmφ (base), 650-900 mm
(height) • 1.9 kg



Subwoofers Big Bass in Any Space (All subwoofer are magnetic shielding)

A subwoofer will not only give you brawny bass power, it will improved the overall sound of your system. Yamaha gives you a choice of models, including two in the YST-FSW150 and YST-FSW050 that will fit on a shelf or audio rack.



YST-SW515
Advanced YST II and
OD-Bass Subwoofer



YST-SW325
Advanced YST II and
OD-Bass Subwoofer



YST-SW315
Advanced YST and
OD-Bass Subwoofer



YST-SW225
Advanced YST II and
OD-Bass Subwoofer



YST-SW215
Advanced YST and
OD-Bass Subwoofer



YST-RSW300
Advanced YST II and
Front Firing Subwoofer



YST-SW216
Advanced YST II and
Front Firing Subwoofer



YST-SW030
Advanced YST and
OD-Bass Subwoofer



YST-SW015
Advanced YST and
OD-Bass Subwoofer



YST-SW011
Advanced YST II and
OD-Bass Subwoofer



YST-SW012
Advanced YST II and
Front Firing Subwoofer



YST-FSW150
Advanced YST II and Down-Firing
Rack Mountable Subwoofer



YST-FSW100
Advanced YST II and
FD-Bass Subwoofer



YST-FSW050
Advanced YST II and Down-Firing
Rack Mountable Subwoofer



The YST-FSW150 and YST-FSW050 match slim front surround systems and also go well with micro component systems.





Yamaha Desktop Audio fits your mobile lifestyle.

Now that "mobile audio" is more than just a slogan and has become a way of life, Yamaha offers a number of products that give you both easy mobility and enhanced sound quality. From a Desktop Audio System that lets you enjoy music throughout your home at any time, you can be sure of having great sounds accompany you all day long.



Silver

Black

TSX-100

Desktop Audio System



Music Makes Your Day More Enjoyable

The TSX-100 makes it easy to enjoy high quality music all day long. Set the timer to wake you up with lively tunes or your favorite radio station. Then take it into the kitchen for some music with your coffee. Enjoy background music throughout the day by selecting from among various music sources. You'll always have a clock handy, too. In the evening, pop in your newest CD, then listen to the news or sports, and finally set the timer to lull you



to sleep with some gentle music. Your day has had a perfect soundtrack...thanks to the TSX-100.

Sound Quality that Does Justice to the Music

Yes, it's convenient, but how does it sound? The answer: amazingly good. Precision waveguide technology takes the small initial sound vibrations and extends them, producing strong sound energy that is output from independent left and right speaker boxes. You hear 20W of rich, full range,

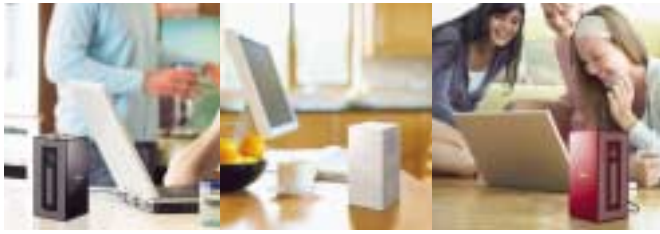
stereo sound. What's more, Yamaha engineers fine-tuned the system to emphasise precision and clarity, so you hear every musical detail and there's no harshness to cause listening fatigue.

Play CDs and More

You can listen to ordinary CDs and also recordable CDs with MP3 or WMA files. A stereo mini jack lets you connect portable audio devices and there's also a dedicated USB terminal.



Quick USB Connection to a PC, Powerful Sound



Black

White

Red

PowerStorage™ USB BUS POWERED SR:Bass™

NX-U02

USB Powered Stereo Speaker

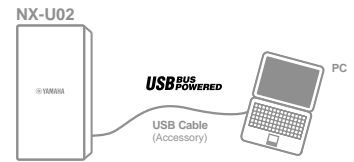
Changes the world of PC sound!

With the spread of on-line music and video services, huge music collections can be created on PCs. While this lets you easily enjoy audio and music from your PC, the fact is that there are very few products capable of enveloping you in your favourite music with good quality sound. The NX-U02 changes that, making

it convenient to play PC audio and music with powerful sound simply by connecting a single USB cable.

Connection makes it easy to use

Power is supplied to the speaker from the PC through the USB connection, so you do not need an AC adaptor or battery. You can use it anywhere near your PC without troublesome wiring.



Red

White

Black

Convenient Way to Easy Better Sound From Your iPod or Other MP3 Player



NX-A02

One-Box Tower Stereo Speaker

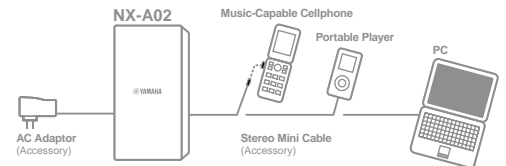
Enjoy All Your Music, and Fill Any Room with Beautiful Stereo Sound

The NX-A02 works with anything that connects to a stereo mini jack: iPod, other MP3 players, laptops, even mobile phones that play music.

Put away the headphones and enjoy your music library as you work or relax at home.

Just One Touch! Easy Operation

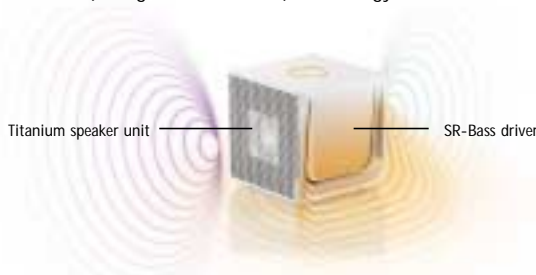
Use the simple control panel on the top to switch the speaker on and off, adjust the volume or mute the sound. You will like the design, too - the sophisticated tower shape looks cool anywhere.



SR:Bass™

Desktop Audio Technology

SR-Bass™ (Swing Radiator Bass™) technology

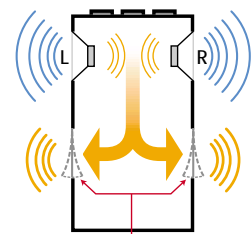


Titanium speaker unit

SR-Bass driver

SR-Bass (Swing Radiator) Speaker

The SR-Bass design uses a "Swing Radiator" diaphragm that moves by the vibration of the main diaphragm and efficiently increase bass energy. This produces larger sound pressure levels for deeper and stronger bass sound.



Twin SR-Bass (Swing Radiator Bass™) (NX-U02 and NX-A02)

SR:Bass™

Improves Portable Audio Sound



Black

White

NX-A01

SR-Bass™

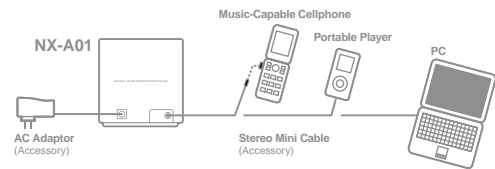
One-Box Cubic Stereo Speaker

High Sound Quality the Yamaha Way

Yamaha's new SR-Bass technology maximizes internal energy to produce bass that is deeper and more powerful than you would think possible from a compact speaker. The NX-A01 also benefits from Yamaha's long tradition of excellence in speaker design. The speaker unit is a 3cm titanium cone capable of skillfully reproducing the entire frequency range.

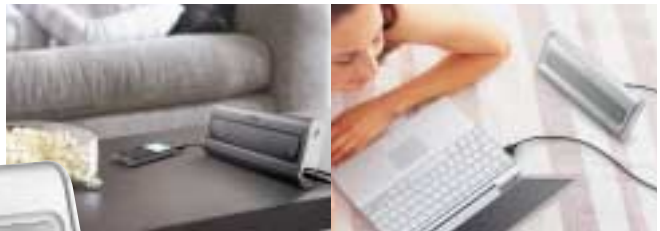
Greater Music Enjoyment from iPod and Other Portable Devices

MP3 players are everywhere these days, not only outside but in the home too. The super-convenient NX-A01 lets you take off the headphones and fill a room with big, high quality, bass-rich sound.



Black

Silver



Great Flexibility and Quick Connection



PowerStorage™ USB BUS POWERED SR-Bass™

NX-U10

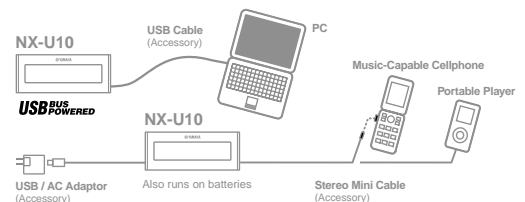
USB Powered Stereo Speaker

Quick, easy, flexible

Just connect the NX-U10 to your computer via a USB cable. No power cord is necessary. It also works from an AC outlet or four AAA batteries. And it has a stereo mini jack, so you can enjoy better sound from your iPod, game console, etc.

More power and more bass for much more music enjoyment

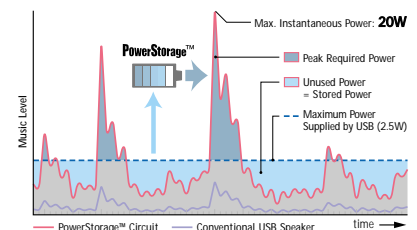
Instead of the 0.5W x 2 that other speakers can provide from the 5V USB power, the NX-U10 outputs 20W (10W x 2) — 20 times as much! It also features SR-Bass for surprisingly deep, rich bass. If you download songs, now you can start really enjoying them — from up close or far away. The easy portability and big sound make it great for business presentations, too.



Desktop Audio Technology

Yamaha's Unique PowerStorage™ Circuit

If music varies in loudness or includes rests, its signal level is not constant. The power used to play music is an average of about 1/8 of the amount that is supplied. The remaining 7/8 of the power is unused and wasted. The PowerStorage Circuit stores this unused electric power and supplies only enough to match the music level. This high efficiency power storage circuit can achieve 20W output even with the small quantity of power supplied via USB.





Putting you in the same room as the musicians.

As a company involved in many facets of music creation and reproduction, Yamaha has a serious commitment to making components that are truly "high fidelity." This year we have an especially impressive array of models: a new high-end stereo amplifier and CD player, Soavo series speakers, PianoCraft and other HiFi components. Hear the full potential of your music — Yamaha HiFi.

HiFi Began with Yamaha

Yamaha's involvement with and passion for music goes back more than a century, to when we built our first reed organ in 1887. Now we are the world's leading producer of pianos and other musical instruments, and are involved with music in many other ways as well. We manufacture professional recording equipment, we design concert halls and we assist artists at concerts with set up and sound tuning.

This knowledge and experience benefits our production of audio components in many ways. We introduced our first HiFi (High Fidelity) turntable in 1954, becoming the first company to actually use the term "HiFi." Thereafter we were one of the first to offer mass-produced, high quality audio equipment, and introduced many legendary stereo components.

We hope you enjoy the genuine HiFi experience of Yamaha Natural Sound.

Excellence in Audio Achievement

1920-1960s

First HiFi System introduced in 1920
We introduced numerous HiFi components (turntables, FM/AM tuners, integrated amplifiers, preamplifiers, power amplifiers and speakers) in 1955 ~ 1965.

Natural Sound Speaker Series introduced in 1967

NS-20 Monitor Speaker

1970s

CA-1000 Integrated Amplifier
Featuring A-Class operation, the CA-1000 set the standard for integrated amplifiers.

NS-690 Monitor Speaker

NS-1000M Monitor Speaker

A truly legendary speaker still revered by HiFi enthusiasts.

B-1 Power Amplifier

An innovative power amp that used FETs in all stages.

C-2 Control Amplifier

Received top prize at the Milan International Music and HiFi Show

NS-10M Studio Monitor Speaker

Became of the most popular studio monitors in the world.

A-1 Integrated Amplifier

PX-2 Turntable

Yamaha's first straight arm turntable.

1980s

B-6 Power Amplifier
Pyramid-shaped power amplifier.

GT-2000/L Turntable

First CD Player (**CD-1**) introduced in 1983

B-2x Power Amplifier

MX-10000 Power Amplifier and **CX-10000**

Control Amplifier

Redefined the capabilities of separate components.

1990s

AX-1 Integrated Amplifier

GT-CD1 CD Player

MX-1 Power Amplifier and **CX-1** Preamplifier

2000s

Soavo-1 and **Soavo-2** Natural Sound Speaker Systems



NS-20



CA-1000



NS-690



NS-1000M



B-1



C-2



PX-2



NS-10M



A-1



B-2x



MX-10000



CX-10000



Soavo-1



Soavo-2

Yamaha Introduces a New, Superior Approach to Analog Amplifier Design.



A-S2000

Natural Sound Stereo Amplifier

More than forty years have passed since the introduction and widespread adoption of full transistor HiFi audio amps during the 1960s. In the 1970s, high performance, high output PNP-NPN transistors made possible the pure complementary configured power amps that are now the main type of high quality audio amps.

In recent years, however, digital amps have become popular for their high conversion efficiency and superior uniformity of operating precision, as well as for their lower weight, size and heat production as compared to analog amps. Which leads to the question, which direction will audiophile-level amps take in the future? Generally, two

possibilities are considered: continuing to improve the traditional pure complementary configuration analog amps or working to achieve higher sound quality from digital amps.

But Yamaha has selected a third approach. This is an entirely new floating and balanced power amp that, by using power transistors with the same polarity that are not complementary, achieves complete symmetry of pullable operation at the output stage and permits full balanced transmission (amplification) from the input jack to just before the speaker jack — a capability that has long been the dream of audiophiles.

- Full-Stage Balanced Signal Transmission
- Floating Balanced Power Amp
- Fully Balanced Control Amp
- Parallel Volume and Tone Controls
- Four Large Capacity Power Supplies for Power Amp
- Shunt Type Local Regulators for Preamplifier
- Symmetrical Construction
- Specially Designed Feet
- Headphone Amp for Low Impedance Drive
- Discrete Phono Amp



Black finish available.



Remote unit

Yamaha Creates an Ultra High Quality CD Player for True Music Enthusiasts.



CD-S2000



Natural Sound Super Audio CD Player

In the quarter century since the CD medium appeared, it has become widely popular for its combination of excellent quality and convenience. CDs can now be played on DVD players as well, but for the highest reproduction quality, a dedicated CD player should be used. Yamaha recognised the need for a CD player that would allow audiophiles to enjoy their music exactly as it was recorded, with absolutely nothing added or lost.

In order to realize ideally balanced signal transmission when

this player is connected to the A-S2000 integrated amp, the D/A converter uses a differential motion mode to achieve balanced transmission of all stages after it. Music fans can realize the audiophiles' dream of fully balanced signal transmission from DAC output to just before the speaker jack by pairing this machine with the A-S2000.

- Full-Stage Balanced Signal Transmission achieves the ultimate in CD reproduction
- Full-Stage Balanced Signal Transmission beginning with the DAC
- Silent Loader and High Precision CD Drive
- Independent Power Supplies with Digital and Analog Completely
- Pure Direct
- Symmetrical Construction
- Specially Designed Feet



Black finish available.



Remote unit

Soavo

Natural Sound Speaker Systems

The natural sound of Soavo. Music as it should be heard.

At Yamaha, we love, understand and respect music. We're sure that you love music, too, and that when you listen to it, you want it to sound as natural as possible. We believe that "natural sound" is the original sound of music instruments, and of the human voice, so they should be reproduced with nothing added or taken away. Giving you this beautiful music experience is the reason we created the Soavo series. Listen to Soavo, and discover how truly natural music from a speaker can be.



Soavo Series Natural Sound Speaker Systems



The Soavo-1 has been honored with an EISA Award for Floor-Standing Speaker Best Product 2007-2008. The prestigious EISA Awards are chosen by media representatives from 18 European countries.



Soavo-1

3-Way Bass-Reflex Floor-Standing Speaker System

Soavo-2

2-Way Bass-Reflex Bookshelf Speaker System

SPS-900 Optional Speaker Stands for Soavo-2

SPS-900
Optional Speaker Stands for Soavo-2
• 360 x 415 mm (base), 603 mm (height), 6.5kg/unit





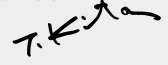
Beautiful design that compliments the beautiful music.

Since you are interested in the Soavo speakers, you undoubtedly enjoy the finest music in your home. Naturally, you want your entire decor to be beautiful also. To ensure that the Soavo speakers are visually as well as aurally beautiful, Yamaha commissioned the world-famous designer Toshiyuki Kita to create uniquely attractive speakers that will enhance the atmosphere of any interior.



Toshiyuki Kita

Working in both Japan and Milan, Toshiyuki Kita has designed many successful products for German, Italian and Japanese manufacturers. His designs are in the permanent collections of museums all over the world, including the Museum of Modern Art in New York and the Centre Georges Pompidou in Paris. He also designs traditional Japanese crafts.



Soavo-900 Series Natural Sound Speaker Systems

The Soavo-900M Surround Speaker and Soavo-900C Center Speaker feature sound tuning that perfectly complements the other Soavo speakers. They allow you to enjoy multi-channel sources in an ideal surround sound environment.

The Soavo-900SW Subwoofer meets the challenge of providing an ideal balance between tight sounds (with crisp, fast attack) and deep sounds (with a spacious feeling). Designed for extremely accurate music reproduction, the Soavo-900SW proudly takes its place in Yamaha's Soavo Series.



Soavo-900M 2-Way Bass-Reflex Speaker System

Soavo-900C 2-Way Bass-Reflex Speaker System

Soavo-900SW Advanced YST II and Front Firing Subwoofer



Full function remote unit

The Soavo-1, Soavo-2, Soavo-900M, Soavo-900C and Soavo-900SW are offered with dark brown birch, brown birch, natural birch, or black birch finish.

• Soavo colors vary depending on area.



Dark brown birch



Brown birch



Natural birch



Black birch



PianoCraft: Natural Sound enjoyment from a high performance, elegant system.

A lot of fine craftsmanship goes into Yamaha's world-renowned pianos, and that same dedication to sound and design excellence is behind the creation of the award-winning PianoCraft series. You have a choice of compact, high quality systems, each of which includes two speakers and the capability of adding a subwoofer.



MCR-E810 Micro Component System



[Receiver: RX-E810]

- High output power: 65W/ch with discrete amplification
- Pure Direct for high quality sound reproduction
- iPod compatibility via optional Yamaha YDS-10
- High dynamic power and Linear Damping
- 40-station preset tuning
- Subwoofer out

[CD/DVD Player: DVD-E810]

- Official DivX® Ultra Certified product
- Progressive Scan processing DVD player (NTSC/PAL)
- Easy operation with GUI
- Versatile format and disc compatibility: DVD-Video, Video CD, Audio CD, MP3, JPEG, DivX® and WMA

[Speaker Systems: NX-E800]

- New speaker cabinet with innovative cross-bracing
- 2-way bass-reflex speaker system



MCR-E410 Micro Component System



[Receiver: RX-E410]

- High output power: 65W/ch with discrete amplification
- Pure Direct for high quality sound reproduction
- iPod compatibility via optional Yamaha YDS-10
- High dynamic power and Linear Damping
- 40-station preset tuning
- Subwoofer out

[CD Player: CDX-E410]

- Audio CD, MP3 CD and WMA CD playback
- 3-mode CD Text display

[Speaker Systems: NX-E800]

- New speaker cabinet with innovative cross-bracing
- 2-way bass-reflex speaker system

Universal Dock YDS-10 for iPod (for MCR-E810 and MCR-E410)

The optional Yamaha YDS-10 Universal Dock lets you connect an iPod to the MCR-E810/MCR-E410 to hear all your iPod music through the system. You can also operate the iPod via the MCR-E810/MCR-E410's remote unit with the aid of the receiver's display. What's more, the Universal Dock will even charge up your iPod while it's connected. Works with iPod nano, iPod mini and iPod (Click Wheel).





MCR-E700 Micro Component System



[CD/DVD Receiver: RDX-E700]

- High output power: 30W/ch
- MP3, JPEG, DivX and WMA multisection compatibility
- Progressive Scan processing (NTSC/PAL)
- Versatile format and disc compatibility
- Convenient multi-jog dial
- Slim loading tray
- Multiple repeat play
- Program play
- 30 FM/20 AM-station instant one-touch preset tuning
- Subwoofer out

[Speaker Systems: NX-E700]

- 2-way bass-reflex speaker system
- 11cm woofer and 2.5cm dome tweeter
- 110W high power input capability



MCR-E320 Micro Component System



[CD Receiver: CRX-E320]

- High output power: 30W/ch
- USB port for direct access to MP3 or WMA tracks on USB devices
- Front panel mini jack for connecting portable audio player
- Audio CD, MP3 CD and WMA CD playback
- Convenient multi-jog dial
- Slim loading tray
- Multiple repeat play
- Program play
- 30 FM/20 AM-station instant one-touch preset tuning
- Subwoofer out

[Speaker Systems: NX-E700]

- 2-way bass-reflex speaker system
- 11cm woofer and 2.5cm dome tweeter
- 110W high power input capability



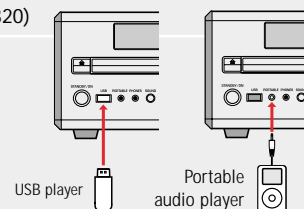
USB Direct Access (MCR-E320)

A USB port on the front panel accepts USB MP3 and WMA players as well as USB memory devices for convenient access to stored music files.



Front Panel Mini Jack (MCR-E320)

A mini jack on the front panel makes it convenient to connect portable audio players.





CDR-HD1500

HDD + CD-R/RW Digital Audio Recorder



Versatile, high capacity digital recording. Ideal for a variety of uses including as a high quality jukebox.

- Linear PCM 16-bit/44kHz recording (no compression)
- 24-bit DAC/ADC
- Audio Master Quality Recording mode (CD-R only)
- CD—HDD—CD recording maintains full digital quality

- 200 GB hard disk drive capacity
- Easy, extensive editing possible before recording CDs
- 179 minutes and 59 seconds continuous external source recording
- High-speed ripping and High-speed rec
- Jog dial for fast track access

- On-screen display
- Synchronized rec mode
- Timer rec
- Title input via RS-232C interface
- Time search
- Copyright protection



Hard disk holds 300 hours of music
Rip 300 hours of music onto the hard disk at 10x normal speed. Highest digital quality because signal is not compressed.



Record other sources, too
Record LPs, tapes, radio and other sources — then burn them onto CD-Rs for long-term storage.



Making your own CDs is easy and fast
When your perfectly edited music is ready to be recorded from the hard disk, transfer it at 8x normal speed to a CD-R or at 4x to a CD-RW.



Instant access to your music
Create up to 999 "Albums," each with as many as 99 songs, on the HD. The Jog dial makes accessing tracks ultra-fast and easy.



RX-797



FM/AM Receiver

- 100W x 2 (RMS) / 145W x 2 (Max)
- ToP-ART
- CD Direct Amplification
- Multi-zone control capability with dedicated Zone 2 remote unit
- Preset remote unit for Main Zone
- Gold-plated input terminals
- Rec. Out/Zone 2 selector
- Subwoofer out



Brilliant Audio: Titanium



RX-497



FM/AM Receiver

- 75W x 2 (RMS) / 115W x 2 (Max)
- Pure Direct
- CD Direct Amplification
- Zone 2 out
- Multi-zone control capability
- Preset remote unit
- High dynamic power, low-impedance drive capability
- Subwoofer out
- Tape monitor switch



Brilliant Audio: Titanium



RX-397



FM/AM Receiver

- 50W x 2 (RMS) / 85W x 2 (Max)
- Pure Direct
- Super Audio CD and DVD-Audio ready
- Linear Damping
- High dynamic power, low-impedance drive capability
- Continuously variable loudness control
- Speaker A, B or A+B Selection
- Tape monitor switch



Brilliant Audio: Titanium



TX-497

FM/AM Tuner

- 40-Station FM/AM random access preset tuning
- Auto FM station memory and preset editing
- Direct PLL IF count synthesizer tuning
- Absolute Linear Phase IF Amplifier circuitry
- Multi-status station memory



Brilliant Audio: Titanium



AX-497



Stereo Integrated Amplifier

- 85W x 2 (RMS) / 130W x 2 (Max)
- ToP-ART
- CD/DVD Direct Amplification
- Pure Direct
- Linear Damping and high dynamic power
- Rec out selector
- Pre-main coupler
- Remote controllable motor-driven volume control



Brilliant Audio: Titanium



AX-397



Stereo Integrated Amplifier

- 60W x 2 (RMS) / 100W x 2 (Max)
- Switchable CD/DVD Direct Amplification
- Super Audio CD and DVD-Audio ready with extended frequency response
- Linear Damping and high dynamic power
- Continuously variable loudness control



Brilliant Audio: Titanium



EQ-70

Stereo Graphic Equalizer

- 10-band independent L/R EQ control
- Output level control
- EQ recording
- Dimensions (W x H x D): weight: 435 x 98 x 233mm; 2.4kg



KX-W321

Double Auto-Reverse Cassette Deck

- Two speed (normal/high) dubbing
- Dolby B/C NR
- Relay play
- Yamaha GF heads
- Auto tape type selection
- 4-digit tape counters (both decks)

Brilliant Audio: Titanium
• Titanium finish available in some areas.



CDX-497



CD Player

- CD-R/RW, MP3 and WMA playback
- Intelligent Digital Servo
- Oversampling separate DAC
- CD Text display
- Optical and coaxial digital outputs
- Low-impedance power supply for stable signal path
- Front panel headphone jack
- Display dimmer
- Aluminum front panel



Brilliant Audio: Titanium



CDX-397



CD Player

- CD-R/RW playback
- Intelligent Digital Servo
- Oversampling separate DAC
- CD Text display
- Low-impedance power supply for stable signal path
- Display dimmer
- Aluminum front panel



Brilliant Audio: Titanium



CDC-697



CD Changer

- Yamaha patented PlayXchange
- CD-R/RW playback
- 40-track programable play and clear
- RS-232C interface
- Super-silent CD changer mechanism with disc stabilizer
- Laser pickup floating mechanism
- Intelligent Digital Servo
- Peak search
- CD Text display



Brilliant Audio: Titanium



Natural Sound Package

AX-497 + CDX-497 + NS-325F

Specifications

● Digital Home Theater Amplifier/Receiver Comparison

	DSP-Z11	RX-V3800	RX-V1800	RX-V861	RX-V661	RX-V461	RX-V361/HTR-6030
Channels	11.2-channel	7.1-channel	7.1-channel	7.1-channel	7.1-channel	5.1-channel	5.1-channel
Min. RMS Power (8 ohms, 20 Hz–20 kHz) [THD]	140W x 7 + 50W x 4 [0.04%]	140W x 7 [0.04%]	130W x 7 [0.04%]	105W x 7 [0.06%]	90W x 7 [0.06%]	100W x 5 [6 ohms]	100W x 5 [6 ohms]
Max Output Power (8 ohms, 1 kHz, 10% THD)	200W x 7 + 75W x 4	185W x 7	175W x 7	145W x 7	130W x 7	135W x 5 (6 ohms)	135W x 5 (6 ohms)
Advanced Features							
Network Receiver Functions	■	■					
iPod Compatibility via YDS-10	■	■	■	■	■	■	
USB Interface	■ (2 ports)	■					
Front Panel Mini Jack Input						■	■
System Memory	■ (10 Main +4 Each Zone)	■ (6 Main)	■ (6 Main)				
SCENE (SCENE Templates)				■ (17)	■ (17)	■ (15)	■ (12)
FM/AM Tuner		■	■	■	■	■	■
YPAO Sound Optimization	■ (Advanced)	■	■	■	■	■	
Dialogue Lift	■	■	■	■	■		
Compressed Music Enhancer	■ (with Straight Enhancer)	■ (with Straight Enhancer)	■ (with Straight Enhancer)	■	■	■	■
Night Listening Enhancer				■	■	■	■
Adaptive DRC (Dynamic Range Control)	■	■	■				
Initial Volume and Maximum Volume Setting	■	■	■	■	■	■	■
Audio Delay for Adjusting Lip-Sync	■ (0-240 ms)	■ (0-240 ms)	■ (0-240 ms)	■ (0-160 ms)	■ (0-160 ms)	■ (0-160 ms)	■ (0-160 ms)
On-Screen Display	■ with GUI (6 lang.)	■ with GUI (6 lang.)		■	■	■	
Remote Control Unit	Macro/Learning/Presets	Macro/Learning/Presets	Macro/Learning/Presets	Preset	Preset	Preset	Preset
High Sound Quality							
Digital Top-ART / High Current Amplification	■	■	■	■	■		
192kHz/24-Bit DACs for All Channels	■ (Burr-Brown)	■ (Burr-Brown)	■ (Burr-Brown)	■ (Burr-Brown)	■ (Burr-Brown)	■	■
Dolby TrueHD, Dolby Digital Plus	■	■	■				
DTS-HD Master Audio	■	■	■				
Dolby Digital EX	■	■	■	■	■	Dolby Digital	Dolby Digital
DTS-ES Discrete 6.1, DTS 96/24	■	■	■	■	■	DTS Digital Surround	DTS Digital Surround
Pure Direct	■ (New Concept)	■ (incl. HD Audio)	■ (incl. HD Audio)	■ (incl. Bitstream)	■ (incl. Bitstream)	Direct Stereo	
Current Feedback Amplifier Circuit	■						
Linear Damping		■	■	■	■		
Bi-Amp Assignability	■	■	■	■	■		
Phono Input	■	■	■	■	■		
High Picture Quality							
1080p-Compatible HDMI	■	■	■	■	■		
Deep Color (30/36 Bit)	■	■	■				
xvYCC Color Space	■						
100Hz/120Hz and 24Hz Refresh Rates	■	■	■				
Auto Lip-Sync Compensation	■	■	■				
Analog to HDMI Upscaling	■ (up to 1080p)	■ (up to 1080p)	■ (up to 1080p)	■ (up to 1080i/720p)			
HDMI to HDMI Upscaling	■ (up to 1080p)						
Analog or HDMI to HDMI Downscaling	■ (1080i/720p to 480p/576p)						
HDMI Deinterlacing (480i/576i to 480p/576p)	■ (Also 1080i to 1080p)	■	■	■			
Full Analog Video Upconversion to HDMI	■ (with TBC)	■ (with TBC)	■ (with TBC)	■ (with TBC)			
Component Video Upconversion	■	■	■	■	■		
Surround Realism							
DSP Program	33 (with CINEMA DSP HD ³)	22 (with CINEMA DSP 3D)	22	17	17	8	8
THX Ultra2 Plus Surround Programs	■ (7)						
Adaptive DSP Level	■	■	■				
SILENT CINEMA / Virtual CINEMA DSP	■	■	■	■	■	■	■
Extensive Connection / Multi-Zone Control							
HDMI Inputs/Outputs	5 / 2	4 / 1	4 / 1	2 / 1	2 / 1		
Audio Digital Inputs (Optical / Coaxial)	9 (5 / 4)	8 (5 / 3)	8 (5 / 3)	6 (4 / 2)	6 (4 / 2)	3 (2 / 1)	3 (2 / 1)
Component Video Inputs / Output	4 / 2	3 / 1	3 / 1	3 / 1	3 / 1	3 / 1	3 / 1
S-Video Inputs / Outputs	6 / 3	6 / 3	6 / 3	5 / 3	5 / 3	3 / 2	
Front Panel Video Aux Terminals	HDMI/Optical/S-Video/USB	S-Video/Optical/USB	S-Video/Optical	S-Video/Optical	S-Video/Optical	Mini jack	Mini jack
Preout Terminals	F/C/Sr/Sb/Fp/Rp/Sw(x2)	F/C/Sr/Sb/Sw	F/C/Sr/Sb/Sw	F/C/Sr/Sb/Sw	F/C/Sr/Sb/Sw	Sw	Sw
RS-232C Interface	■	■	■				
Zone 2 Video Outputs	Component/Composite	■					
Zone 2 Audio Output	■ (Incl. Coaxial Out)	■	■	■	■		
Zone 3 Audio Output	■ (Also Zone 4)	■	■				
Zone Control via Remote Unit	■	■	■				
Zone Tone Controls	■ (Zone 2/3/4)	■ (Zone 2/3)	■ (Zone 2/3)				
+12V Trigger Outputs	■ (x 2)	■ (x 2)	■ (x 2)	■	■		
Remote (IR) Inputs	■ (x 2)	■ (x 2)	■	■	■		
Multi-Channel External Input	8ch	8ch	8ch	8ch	8ch	6ch	6ch
Sub Remote Control Unit	Simplified Remote	Zone Remote	Zone Remote				
Rec Out/Zone 2 Selector	■	■					
Specifications							
Dynamic Power/Channel (8/6/4/2 ohms)	185/230/290/385 W	170/205/265/345 W	160/195/255/335 W	140/175/205/250 W	120/155/190/235 W	—/105/135/165 W	—/105/135/165 W
Damping Factor (8 ohms)	150	150	150	120	120		
Total Harmonic Distortion (20 Hz–20 kHz, CD)	0.02%	0.04%	0.04%	0.06%	0.06%	0.06%	0.06%
Signal-to-Noise Ratio (CD, 250 mV)	100 dB	100 dB	100 dB	100 dB	100 dB	100 dB	100 dB
Dimensions (W x H x D)	435 x 210 x 497 mm	435 x 171 x 439 mm	435 x 171 x 439 mm	435 x 171 x 421 mm	435 x 171 x 393 mm	435 x 151 x 318 mm	435 x 151 x 318 mm
Weight	34 kg	17.4 kg	17 kg	13.1 kg	11.6 kg	8.1 kg	8 kg

Specifications

Digital Sound Projector™

	YSP-4000	YSP-1100	YSP-3000	YSP-900	YSP-500	
Beam Drivers	4cm x 40 (3 array)	4cm x 40 (3 array)	4cm x 21 (2 array)	4cm x 21 (2 array)	2.8cm x 16 (2 array)	
Woofers	11cm x 2	11cm x 2	10cm x 2	10cm x 2	8cm x 2	
Digital Amplifier	120W (2W x 40 + 20W x 2)	120W (2W x 40 + 20W x 2)	82W (2W x 21 + 20W x 2)	82W (2W x 21 + 20W x 2)	62W (2W x 16 + 15W x 2)	
IntelliBeam	■	■	■	■	■	
On-Screen Display (Languages)	■ (En/Fr/Ge/Sp/It/Du/Ru)	■ (En/Fr/Ge/Sp)	■ (En/Fr/Ge/Sp/It/Du/Ru)	■ (En/Fr/Ge/Sp)	■ (En/Fr/Ge/Sp/It/Du/Ru)	
Beam Mode	5 Beam	■	■	■	■	
	Stereo + 3 Beam	■	■	■	■	
	3 Beam	■	■	■	■	
	Stereo / 5ch Stereo	■ / ■	■ / —	■ / ■	■ / —	■ / —
	My Beam	■	■	■	■	■
My Surround	■	■	■	■	■	
CINEMA DSP	Movie	Sci-Fi / Spectacle / Adventure	Sci-Fi / Spectacle / Adventure	■	■	
	Music	Concert Hall / Jazz Club / Music Video	Concert Hall / Jazz Club / Music Video	■	■	
	Sports	■	■	■	■	
HDMI Interface	2 In/1 Out (1080p)		2 In/1 Out (1080p)			
Analog to HDMI Upscaling	■ (Up to 1080i/720p)					
FM Tuner Built-in	■		■			
Front Panel Mini Jack Input	■		■			
Compressed Music Enhancer	■		■			
Dimensions (W x H x D): Weight	1,030 x 198 x 144 mm: 15.2 kg	1,030 x 194 x 118 mm: 13 kg	800 x 155 x 152 mm: 11.5 kg	800 x 153 x 115 mm: 9 kg	610 x 120 x 220 mm: 8.5 kg	

DVD Players

	DVD-S1700	DVD-S661
Super Audio CD, DVD-Audio Playback	■	
HDMI Interface	■ (1080p)	■ (1080i/720p)
MP3, JPEG, DivX and WMA Playback	■	■ (DivX Ultra)
USB Port		■
Audio Direct Mode	■	
Video DAC	216 MHz/12-bit	108 MHz/12-bit
Audio DACs	192kHz/24-bit	192kHz/24-bit
Signal-to-Noise Ratio (1kHz)	115 dB	105 dB
Dynamic Range (1kHz)	105 dB	97 dB
Harmonic Distortion + Noise (1kHz)	0.002%	0.0035%
Dimensions (W x H x D): Weight	435 x 87 x 285 mm: 3.3 kg	435 x 51 x 310 mm: 2.6 kg

PianoCraft

	MCR-E810	MCR-E410	MCR-E700	MCR-E320
Receiver	RX-E810 Receiver	RX-E410 Receiver	RDX-E700 CD/DVD Receiver	CRX-E320 CD Receiver
Output Power (6 ohms, 1 kHz, 1% THD)	65 W + 65 W	65 W + 65 W	30 W + 30 W	30 W + 30 W
Linear Damping [Damping Factor]	■ [60 (6 ohms, 20 Hz-20 kHz)]	■ [60 (6 ohms, 20 Hz-20 kHz)]		
Dynamic Power/Channel (6/4/2 ohms)	60/75/100 W	60/75/100 W		
Dimensions (W x H x D): Weight	215 x 108 x 363 mm: 5.7 kg	215 x 108 x 363 mm: 5.7 kg	215 x 113 x 296 mm: 2.65 kg	215 x 113 x 308 mm: 3.1 kg
CD / DVD Player	DVD-E810 CD/DVD Player	CDX-E410 CD Player	RDX-E700 CD/DVD Receiver	CRX-E320 CD Receiver
Harmonic Distortion + Noise (1 kHz)	0.0035%	0.003%	0.007%	0.005%
Signal-to-Noise Ratio (1 kHz)	105 dB	105 dB	95 dB	100 dB
Dynamic Range	97 dB	95 dB		
Dimensions (W x H x D): Weight	215 x 108 x 330 mm: 2.3 kg	215 x 108 x 334 mm: 2.8 kg		
Speaker System	NX-E800 Speaker System	NX-E800 Speaker System	NX-E700 Speaker System	NX-E700 Speaker System
Drivers	13cm cone woofer, 2.5cm dome tweeter	13cm cone woofer, 2.5cm dome tweeter	11 cm cone woofer, 2.5 cm dome tweeter	11 cm cone woofer, 2.5 cm dome tweeter
Input Power (Max/Nominal)	110 W/60 W	110 W/60 W	110 W/40 W	110 W/40 W
Frequency Response	55 Hz-28 kHz	55 Hz-28 kHz	60 Hz-28 kHz	60 Hz-28 kHz
Dimensions (W x H x D): Weight/unit	186 x 300 x 223 mm: 4.3 kg	186 x 300 x 223 mm: 4.3 kg	165 x 255 x 183 mm: 3.4 kg	165 x 255 x 183 mm: 3.4 kg

Desktop Audio System

	TSX-100
Maximum Output Power	10 W x 2 (6 ohms, 1 kHz, 10% THD)
Disc Compatibility	CD, CD-R/RW, MP3 CD, WMA CD
Speaker Unit	Dual 4.5cm full range titanium cone with SR-Bass Diaphragm
Input Terminals	USB port, Stereo mini jack
FM/AM Tuner	■
Dimensions (W x H x D): Weight	300 x 140 x 190 mm: 2.7 kg

Desktop Audio Speakers

	NX-U02	NX-A02	NX-A01	NX-U10
Output Power	10 W x 2 (max instantaneous)	5 W x 2 (maximum)	4 W x 2 (maximum)	10 W x 2 (max instantaneous)
Speaker Unit	Dual 4.5 cm full-range titanium cone	Dual 4.5 cm full-range titanium cone	Dual 3 cm full-range titanium cone	Dual 3.8 cm full-range titanium cone
Input Terminals	USB port	Stereo mini jack	Stereo mini jack	USB port, Stereo mini jack
Frequency Response	90 Hz-20 kHz	90 Hz-20 kHz	90 Hz-20 kHz	90 Hz-20 kHz
OS	Windows Vista, XP, 2000, ME, 98SE Mac OS 9.1 or later, OS X 10.0 or later			Windows Vista, XP, 2000, ME, 98SE Mac OS 9.1 or later, OS X 10.0 or later
Power Supply	USB Bus Power	AC	AC	USB Bus Power, AC or AAA x 4 batteries
Dimensions (W x H x D): Weight	84 x 170 x 84 mm: 0.6 kg	84 x 170 x 84 mm: 0.6 kg	84 x 89 x 84 mm: 0.31 kg	248 x 100 x 33 mm: 0.5 kg

● Digital Home Theater Speakers

HX Series Speakers	NS-8HX	NS-6HX	NS-4HX	NS-2HX	NS-C7HX	NS-C5HX
Woofers	Dual 20cm WSD cone	20cm WSD cone	Dual 13cm WSD cone	13cm WSD cone	Dual 16cm WSD cone	Dual 13cm WSD cone
Midrange Driver	13cm WSD cone with Waveguide horn	13cm WSD cone with Waveguide horn				
Tweeter	3cm aluminum dome with Waveguide horn	3cm aluminum dome with Waveguide horn	3cm aluminum dome with Waveguide horn	3cm aluminum dome with Waveguide horn	3cm aluminum dome with Waveguide horn	3cm aluminum dome with Waveguide horn
Frequency Response	35 Hz–50 kHz	45 Hz–50 kHz	55 Hz–50 kHz	60 Hz–50 kHz	45 Hz–50 kHz	55 Hz–50 kHz
Input Power (Nominal / Maximum)	140 W / 400 W	100 W / 300 W	100 W / 300 W	60 W / 200 W	100 W / 300 W	100 W / 300W
Sensitivity	92 dB/2.83 V/1 m	91 dB/2.83 V/1 m	91 dB/2.83 V/1 m	90 dB/2.83 V/1 m	91 dB/2.83 V/1 m	91 dB/2.83 V/1 m
Crossover Frequencies	600 Hz/4 kHz	600 Hz/4 kHz	2.5 kHz	2.5 kHz	2.5 kHz	2.5 kHz
Impedance	6 ohms	6 ohms	6 ohms	6 ohms	6 ohms	6 ohms
Dimensions (W x H x D)	364 x 1,102 x 397 mm	364 x 1,062 x 397 mm	186 x 500 x 257 mm	186 x 318 x 189 mm	549 x 217 x 318 mm	500 x 186 x 257 mm
Weight	32.5 kg/unit	29 kg/unit	11.5 kg/unit	6 kg/unit	15 kg	11.5 kg

525 A-PMD Series	NS-525F	NS-M525	NS-C525
Woofers	16cm Advanced PMD cone	13cm Advanced PMD cone	Dual 13cm Advanced PMD cone
Midrange Driver	16cm Advanced PMD cone		
Tweeter	3cm aluminum dome	3cm aluminum dome	3cm aluminum dome
Frequency Response	35 Hz–50 kHz	60 Hz–50 kHz	57 Hz–50 kHz
Input Power (Nominal / Maximum)	45 W / 200 W	30 W / 120 W	45 W / 200 W
Sensitivity	89 dB/2.83 V/1 m	89 dB/2.83 V/1 m	89 dB/2.83 V/1 m
Crossover Frequencies	500 Hz/3.8 kHz	3 kHz	5 kHz
Impedance	6 ohms	6 ohms	6 ohms
Dimensions (W x H x D)	324 x 1,010 x 380 mm	176 x 323 x 193 mm	500 x 170 x 227 mm
Weight	23 kg/unit	4.5 kg/unit	7.4 kg

325 A-PMD Series	NS-325F	NS-M325	NS-C325
Woofers	Dual 13cm Advanced PMD cone	10cm Advanced PMD cone	Dual 10cm Advanced PMD cone
Tweeter	3cm aluminum dome	3cm aluminum dome	3cm aluminum dome
Frequency Response	40 Hz–50 kHz	65 Hz–50 kHz	60 Hz–50 kHz
Input Power (Nominal / Maximum)	50 W / 200 W	30 W / 120 W	50 W / 200 W
Sensitivity	88 dB/2.83 V/1 m	86 dB/2.83 V/1 m	88 dB/2.83 V/1 m
Crossover Frequency	2.5 kHz	2.5 kHz	2.5 kHz
Impedance	6 ohms	6 ohms	6 ohms
Dimensions (W x H x D)	304 x 1,050 x 326 mm	150 x 275 x 175 mm	430 x 140 x 203 mm
Weight	16 kg/unit	3.8 kg/unit	5.4 kg

225 PMD Series	NS-225F	NS-M225	NS-C225
Woofers	Dual 8cm PMD cone	Dual 8cm PMD cone	Quad 6.5cm PMD cone
Tweeter	3cm aluminum-magnesium dome	3cm aluminum-magnesium dome	3cm aluminum-magnesium dome
Frequency Response	60 Hz–50 kHz	65 Hz–50 kHz	65 Hz–50 kHz
Input Power (Nominal / Maximum)	40 W / 120 W	40 W / 120 W	40 W / 120 W
Sensitivity	86 dB/2.83 V/1 m	86 dB/2.83 V/1 m	86 dB/2.83 V/1 m
Crossover Frequency	3 kHz	3 kHz	3 kHz
Impedance	6 ohms	6 ohms	6 ohms
Dimensions (W x H x D)	236 x 1,050 x 236 mm	107 x 360 x 134 mm	440 x 94 x 133 mm
Weight	7.7 kg/unit	2.4 kg/unit	2.8 kg

125 Series	NS-125F	NS-P125 (Surround)	NS-P125 (Center)
Woofers	Dual 8cm white cone	Dual 8cm white cone	Dual 8cm white cone
Tweeters	2.2cm balanced-dome	2.2cm balanced-dome	2.2cm balanced-dome
Frequency Response	60 Hz–35 kHz	70 Hz–35 kHz	70 Hz–35 kHz
Input Power (Nominal / Maximum)	40 W / 120 W	40 W / 120 W	40 W / 120 W
Sensitivity	86 dB/2.83 V/1 m	86 dB/2.83 V/1 m	86 dB/2.83 V/1 m
Crossover Frequency	6 kHz	6 kHz	6 kHz
Impedance	6 ohms	6 ohms	6 ohms
Dimensions (W x H x D)	236 x 1,050 x 236 mm	105 x 340 x 133 mm	340 x 105 x 132 mm
Weight	7.2 kg/unit	2 kg/unit	2 kg

EF Series	NS-777	NS-555	NS-333	NS-C444
Woofers	Dual 20cm PMD cone	Dual 16cm PMD cone	13cm PMD cone	Dual 13cm PMD cone
Midrange Driver	13cm cone with Waveguide horn	13cm cone with Waveguide horn		
Tweeter	2.5cm aluminum dome with Waveguide horn	2.5cm aluminum dome with Waveguide horn	2.5cm aluminum dome with Waveguide horn	2.5cm aluminum dome with Waveguide horn
Frequency Response	30 Hz–35 kHz	35 Hz–35 kHz	60 Hz–35 kHz	55 Hz–35 kHz
Input Power (Nominal / Maximum)	100 W / 250 W	100 W / 250 W	60 W / 150 W	100 W / 250 W
Sensitivity	89 dB/2.83 V/1 m	88 dB/2.83 V/1 m	87 dB/2.83 V/1 m	89 dB/2.83 V/1 m
Crossover Frequencies	1 kHz/4 kHz	1 kHz/4 kHz	3 kHz	3 kHz
Impedance	6 ohms	6 ohms	6 ohms	6 ohms
Dimensions (W x H x D)	276 x 1,100 x 390 mm	222 x 980 x 345 mm	200 x 320 x 213 mm	514 x 190 x 213 mm
Weight	24.4 kg/unit	20 kg/unit	5.5 kg/unit	7.3 kg

Package Speakers	NS-P446	NS-P440
System Frequency Response	30 Hz–40 kHz	30 Hz–40 kHz
Impedance	6 ohms*	6 ohms*
Satellite Speakers	5 satellites	4 satellites
Type	2-way acoustic suspension	2-way acoustic suspension
Nominal Input Power	40 W	40 W
Maximum Input Power	80 W	80 W
Sensitivity	80 dB/2.83 mV/ 1 m	80 dB/2.83 mV/ 1 m
Dimensions (W x H x D)	118 x 198 x 137 mm	118 x 198 x 137 mm
Weight/Unit	1.4 kg/unit	1.4 kg/unit
Center Speaker	2-way acoustic suspension	2-way acoustic suspension
Nominal Input Power	40 W	40 W
Maximum Input Power	100 W	100 W
Sensitivity	82 dB/2.83 mV/ 1 m	82 dB/2.83 mV/ 1 m
Dimensions (W x H x D)	285 x 99 x 130 mm	285 x 99 x 130 mm
Weight	1.9 kg	1.9 kg
Subwoofer	Advanced YST II and OD-Bass	Advanced YST II and OD-Bass
Driver	16cm cone	16cm cone
Dynamic Power	100 W	100 W
Dimensions (W x H x D)	280 x 325 x 296 mm	280 x 325 x 296 mm
Weight	8.2 kg	8.2 kg

* except subwoofer

Package Speakers	NS-P270	NS-P110
System Frequency Response	30 Hz–25 kHz	30 Hz–25 kHz
Impedance	6 ohms*	6 ohms*
Satellite Speakers	4 satellites	4 satellites
Type	Full-range acoustic suspension	Full-range dual cone acoustic suspension
Nominal Input Power	30 W	30 W
Maximum Input Power	80 W	100 W
Sensitivity	85 dB/2.83 mV/ 1 m	86 dB/2.83 mV/ 1 m
Dimensions (W x H x D)	105 x 151 x 113 mm	72 x 164 x 111 mm
Weight/Unit	0.8 kg	0.9 kg
Center Speaker	Full-range dual cone acoustic suspension	Full-range dual cone acoustic suspension
Nominal Input Power	30 W	30 W
Maximum Input Power	100 W	100 W
Sensitivity	85 dB/2.83 mV/ 1 m	86 dB/2.83 mV/ 1 m
Dimensions (W x H x D)	300 x 72 x 113 mm	300 x 72 x 110 mm
Weight	0.9 kg	1.1 kg
Subwoofer	Advanced YST	Advanced YST
Driver	16cm cone	16cm cone
Dynamic Power	100 W	100 W
Dimensions (W x H x D)	200 x 365 x 370 mm	200 x 365 x 375 mm
Weight	8.5 kg	8.5 kg

* except subwoofer

Specifications

Digital Home Theater Speakers

HT Series	NS-9002	NS-8390	NS-7390
Woofers	16cm cone	20cm cone	16cm cone
Midrange Driver	13cm cone	10cm cone	10cm cone
Tweeter	2.5cm balanced-dome	2.2cm balanced-dome	2cm balanced-dome
Frequency Response	40 Hz–35 kHz	35 Hz –27 kHz	38 Hz–27 kHz
Input Power (Nominal / Maximum)	50 W / 250 W	70 W / 220 W	60 W / 220 W
Sensitivity	87 dB/2.83 V/1 m	89 dB/2.83 V/1 m	86 dB/2.83 V/1 m
Crossover Frequencies	1 kHz/3 kHz	4 kHz/10 kHz	4 kHz/6 kHz
Impedance	6 ohms	6 ohms	8 ohms
Dimensions (W x H x D)	310 x 1,120 x 371 mm	262 x 920 x 266 mm	210 x 870 x 265 mm
Weight	20 kg/unit	11.7 kg/unit	10.2 kg/unit

HT Series	NS-6490	NS-50F
Woofers	20cm cone	Dual 16cm cone
Midrange Driver	10cm cone	
Tweeter	2.2cm balanced-dome	3cm dome
Frequency Response	45 Hz–23 kHz	35 Hz –35 kHz
Input Power (Nominal / Maximum)	70 W / 140 W	80 W / 240 W
Sensitivity	90 dB/2.83 V/1 m	90 dB/2.83 V/1 m
Crossover Frequencies	2.5 kHz/8 kHz	2 kHz
Impedance	6 ohms	6 ohms
Dimensions (W x H x D)	267 x 411 x 336 mm	233 x 880 x 271 mm
Weight	6 kg/unit	12.5 kg/unit

HT Series	NS-P70 (Surround)	NS-P70 (Center)
Satellite Speakers	3 satellites	
Woofers	10cm cone	Dual 10cm cone
Tweeter	2.2cm dome	2.2cm dome
Frequency Response	80 Hz–30 kHz	70 Hz–30 kHz
Input Power (Nominal / Maximum)	50 W / 150 W	60 W / 180 W
Sensitivity	90 dB/2.83 V/1 m	91 dB/2.83 V/1 m
Impedance	6 ohms	6 ohms
Dimensions (W x H x D)	150 x 265 x 156 mm	233 x 880 x 271 mm
Weight	2.3 kg/unit	3.5 kg

Package Speakers	NS-P240	NS-P110
System Frequency Response	30 Hz–25 kHz	30 Hz–25 kHz
Impedance	6 ohms*	6 ohms*
Satellite Speakers	4 satellites	4 satellites
Type	Full-range dual cone acoustic suspension	Full-range dual cone acoustic suspension
Nominal Input Power	30 W	30 W
Maximum Input Power	100 W	100 W
Sensitivity	86 dB/2.83 mV/ 1 m	86 dB/2.83 mV/ 1 m
Dimensions (W x H x D)	72 x 170 x 108 mm	72 x 164 x 111 mm
Weight/Unit	0.9 kg	0.9 kg
Center Speaker	Full-range dual cone acoustic suspension	Full-range dual cone acoustic suspension
Nominal Input Power	30 W	30 W
Maximum Input Power	100 W	100 W
Sensitivity	86 dB/2.83 mV/ 1 m	86 dB/2.83 mV/ 1 m
Dimensions (W x H x D)	300 x 72 x 105 mm	300 x 72 x 110 mm
Weight	1.1 kg	1.1 kg
Subwoofer	Advanced YST	Advanced YST
Driver	16cm cone	16cm cone
Dynamic Power	100 W	100 W
Dimensions (W x H x D)	200 x 365 x 390 mm	200 x 365 x 375 mm
Weight	8.4 kg	8.5 kg

* except subwoofer

HT Series	NS-P60 (Surround)	NS-P60 (Center)
Satellite Speakers	2 satellites	
Woofers	10cm cone	Dual 10cm cone
Tweeter	2.2cm dome	2.2cm dome
Frequency Response	80 Hz–30 kHz	70 Hz–30 kHz
Input Power (Nominal / Maximum)	50 W / 150 W	60 W / 180 W
Sensitivity	90 dB/2.83 V/1 m	91 dB/2.83 V/1 m
Impedance	6 ohms	6 ohms
Dimensions (W x H x D)	150 x 265 x 156 mm	465 x 135 x 174 mm
Weight	2.3 kg/unit	3.5 kg

Subwoofers

	Soavo-900SW	YST-SW515	YST-SW325	YST-SW315	YST-SW225
Drivers	25cm F.B.P. cone	25cm cone	20cm cone	25cm cone	20cm cone
Dynamic Power	600 W	270 W	170 W	270 W	150 W
Frequency Response	18–160 Hz	20–160 Hz	25–180 Hz	20–160 Hz	28–200 Hz
Advanced YST	Advanced YST II	Advanced YST II	Advanced YST II	■	Advanced YST II
QD-Bass Technology	Front firing	■	■	■	■
High-Efficiency Power Amplifier	■	■	■	■	■
Linear Port	Twin	■	■	■	■
BASS (Bass Action Selector System)	3 modes	■	■	■	■
Dimensions (W x H x D)	410 x 457 x 462 mm	350 x 430 x 382 mm	315 x 380 x 374 mm	350 x 430 x 382 mm	290 x 350 x 349 mm
Weight	32 kg	19 kg	13 kg	19 kg	11.5 kg

	YST-SW215	YST-RSW300	YST-SW216	YST-SW030	YST-SW015
Drivers	20cm cone	25cm cone	25cm cone	20cm cone	16cm cone
Dynamic Power	150 W	270 W	100 W	130 W	120 W
Frequency Response	28–200 Hz	20–160 Hz	25–180 Hz	28–200 Hz	30–200 Hz
Advanced YST	■	Advanced YST II	Advanced YST II	■	■
QD-Bass Technology	■	■	■	■	■
Front Firing	■	■	■	■	■
Linear Port	■	■	■	■	■
BASS (Bass Action Selector System)	■	■	■	■	■
Dimensions (W x H x D)	290 x 360 x 322 mm	372 x 400 x 428 mm	340 x 340 x 385 mm	290 x 360 x 311 m	280 x 325 x 320 mm
Weight	11.5 kg	20 kg	11.2 kg	10 kg	9.2 kg

	YST-SW011	YST-SW012	YST-FSW150	YST-FSW050	YST-FSW100
Drivers	20cm cone	20cm cone	16cm cone	16cm cone	16cm cone
Dynamic Power	100 W	100 W	130 W	100W	130 W
Frequency Response	30–200 Hz	28–200 Hz	30–160 Hz	35–160 Hz	30–200 Hz
Advanced YST	Advanced YST II	Advanced YST II	Advanced YST II	Advanced YST II	Advanced YST II
QD-Bass Technology	■	Front firing	Down firing	Down firing	FD-Bass
Linear Port	■	■	■	■	Half Pipe Port
Dimensions (W x H x D)	290 x 360 x 303 mm	290 x 290 x 328 mm	435 x 151 x 350 mm	350 x 163 x 350 mm	400 x 375 x 157 mm
Weight	10 kg	8.5 kg	9.4 kg	8.5 kg	9 kg

● Soavo Series

Soavo Series	Soavo-1	Soavo-2	Soavo-900M	Soavo-900C
Woofers	Dual 16cm Advanced PMD cone	16cm Advanced PMD cone	13cm Advanced PMD cone	Dual 13cm Advanced PMD cone
Midrange Driver	13cm Advanced PMD cone			
Tweeter	3cm aluminum dome	3cm aluminum dome	3cm aluminum dome	3cm aluminum dome
Frequency Response	35 Hz-50 kHz	45 Hz-50 kHz	56 Hz-50 kHz	56 Hz-50 kHz
Nominal Input Power	50 W	30 W	30 W	40 W
Maximum Input Power	200 W	120 W	120 W	200 W
Sensitivity	89 dB/2.83 V/1 m	88 dB/2.83 V/1 m	87 dB/2.83 V/1 m	89 dB/2.83 V/1 m
Crossover Frequencies	500 Hz/5 kHz	3 kHz	3 kHz	3 kHz
Impedance	6 ohms	6 ohms	6 ohms	6 ohms
Dimensions (W x H x D)	349 x 1,051 x 487 mm	220 x 380 x 353 mm	220 x 349 x 237 mm	500 x 170 x 271 mm
Weight	27 kg/unit	9.7 kg/unit	6 kg/unit	8.6 kg

● Natural Sound Audio Components

Natural Sound Stereo Amplifier	A-S2000
Min. RMS Output Power	150 W + 150 W (4 ohms, 20 Hz-20 kHz, 0.02% THD)
Max Power	190 W + 190 W (4 ohms, 1 kHz, 10% THD)
Total Harmonic Distortion	0.015% (8 ohms, 20 Hz-20 kHz)
Dynamic Power	105/135/190/220 W (8/6/4/2 ohms)
Frequency Response	5 Hz-100 kHz (+0 dB/-3 dB)
Linear Damping [Damping Factor]	160
Input Sensitivity (CD, etc.)	150mV/47k ohms
Signal-to-Noise Ratio (CD, etc.)	98 dB (S: 150 mV)
Dimensions (W x H x D)	435 x 137 x 465 mm
Weight	22.7 kg

Natural Sound Super Audio CD Player	CD-S2000
Frequency Response	(CD) 2 Hz-20 kHz (Super Audio CD) 2 Hz-50 kHz (-3 dB)
Harmonic Distortion	(CD) 0.002% (1 kHz) (Super Audio CD) 0.0017% (1 kHz)
Signal-to-Noise Ratio	(CD/Super Audio CD) 116 dB
Dynamic Range	(CD) 100 dB (Super Audio CD) 110 dB
Output Level	(CD/Super Audio CD) 2 ± 0.3 V (1 kHz, 0 dB)
Dimensions (W x H x D)	435 x 137 x 440 mm
Weight	15 kg

FM/AM Receivers	RX-797	RX-497	RX-397
Min. RMS Output Power	100 W + 100 W (8 ohms, 20 Hz-20 kHz, 0.019% THD)	75 W + 75 W (8 ohms, 20 Hz-20 kHz, 0.04% THD)	50 W + 50 W (8 ohms, 20 Hz-20 kHz, 0.04% THD)
Max Power	145 W + 145 W (8 ohms, 1 kHz, 10% THD)	115 W + 115 W (8 ohms, 1 kHz, 10% THD)	85 W + 85 W (8 ohms, 1 kHz, 10% THD)
High Dynamic Power/Channel	140/170/220 /290 W (8/6/4/2 ohms)	105/125/150/178 W (8/6/4/2 ohms)	70/77/89/100 W (8/6/4/2 ohms)
ToP-ART	■		
Pure Direct	■	■	■
Switchable CD Direct Amplification	■		
XM Satellite Radio Ready	■	■	
Linear Damping [Damping Factor]	■ 240 (8 ohms, 20 Hz-20 kHz, Speaker A)	■ 150 (8 ohms, 20 Hz-20 kHz, Speaker A)	■ 150 (8 ohms, 20 Hz-20 kHz, Speaker A)
Total Harmonic Distortion (CD to Sp Out)	0.012% (20 Hz-20 kHz)	0.02% (20 Hz-20 kHz)	0.02% (20 Hz-20 kHz)
Zone 2 Output	■ (Audio and Video)	■ (Audio)	
Zone Remote Unit	■		
Dimensions (W x H x D); Weight	435 x 151 x 389 mm; 10.9 kg	435 x 151 x 308 mm; 8.7 kg	435 x 146 x 308 mm; 7.4 kg

Integrated Stereo Amplifiers	AX-497	AX-397
Min. RMS Output Power	85 W + 85 W (8 ohms, 20 Hz-20 kHz, 0.019% THD)	60 W + 60 W (8 ohms, 20 Hz-20 kHz, 0.04% THD)
Max Power	120 W + 120 W (8 ohms, 1 kHz, 10% THD)	95 W + 95 W (8 ohms, 1 kHz, 10% THD)
High Dynamic Power/Channel	130/150/185/220 W (8/6/4/2 ohms)	100/120/140/150 W (8/6/4/2 ohms)
ToP-ART	■	
Pure Direct	■	
Switchable CD/DVD Direct Amplification	■	■
Linear Damping [Damping Factor]	■ 240 (8 ohms, 20 Hz-20 kHz, Speaker A)	■ 240 (8 ohms, 20 Hz-20 kHz, Speaker A)
Signal-to-Noise Ratio (CD/DVD Direct on)	110 dB	110 dB
Frequency Response	10 Hz-100 kHz ±1 dB	10 Hz-100 kHz ±1 dB
Dimensions (W x H x D); Weight	435 x 151 x 390 mm; 9.1 kg	435 x 151 x 390 mm; 8.3 kg

CD Players	CDX-497	CDX-397	CDC-697
Disc Compatibility	CD, CD-R/RW (MP3, WMA)	CD, CD-R/RW	CD, CD-R/RW
Frequency Response	2 Hz-20 kHz ±0.5 dB	2 Hz-20 kHz ±0.5 dB	2 Hz-20 kHz ±0.5 dB
Harmonic Distortion + Noise (1 kHz)	0.003%	0.003%	0.003%
Signal-to-Noise Ratio	105 dB	105 dB	106 dB
Dynamic Range	95 dB	95 dB	96 dB
Audio Digital Output	Optical and Coaxial	Optical	Optical
Dimensions (W x H x D); Weight	435 x 87 x 287 mm; 3.5 kg	435 x 87 x 287 mm; 3.5 kg	435 x 116 x 403 mm; 5.5 kg

FM/AM Tuner	TX-497
Direct PLL IF Count Synthesizer Tuning	■
FM Harmonic Distortion (1kHz, stereo)	0.2%
FM Frequency Response	30 Hz-13 kHz ±0.5dB
FM Signal-to-Noise Ratio	75 dB (mono), 70 dB (stereo)
Dimensions (W x H x D); Weight	435 x 86 x 271 mm; 3.2 kg

Cassette Deck	KX-W321
Wow and Flutter	±0.15% (W. Peak) 0.08% (W. RMS)
Signal-to-Noise Ratio	58 dB (NR off), 66 dB (Dolby B NR), 74 dB (Dolby C NR)
Frequency Response	20 Hz-18 kHz (High Position)
Dimensions (W x H x D); Weight	435 x 146 x 279 mm; 5 kg

Digital Audio Recorder	CDR-HD1500	Digital Audio Recorder	CDR-HD1500
Frequency Response	5 Hz-20 kHz ±0.5 dB Playback	S/N Ratio	92 dB
S/N Ratio	105 dB	Recording Dynamic Range	92 dB
Playback Dynamic Range	99 dB	THD + Noise	0.006%
THD + Noise	0.004%	Dimensions (W x H x D); Weight	435 x 116 x 415 mm; 8.2 kg

Soavo-1 Honored by EISA.



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Soavo 1

Natural Sound Speaker System

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The Soavo-1 has been named European Floor-Standing Speaker 2007-2008 by EISA. Noting that it has "an extremely elegant and stylish look," the EISA jury was impressed by the Soavo-1's cabinet fashioned from high quality materials, carved reflex port, aluminum tweeter support and its exclusive Advanced-PMD metal diaphragms. In conclusion, they praised the speaker's "extremely high level of performance and an authentically 'Natural Sound' in the Yamaha tradition."




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