

**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



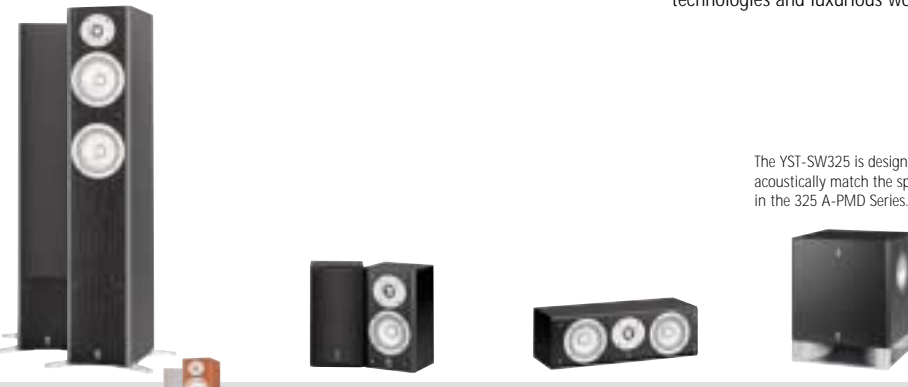
**YST-SW515**

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,

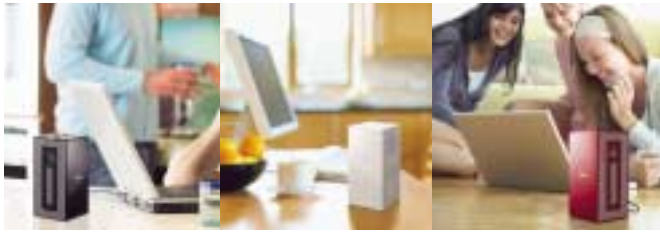
stereo sound. What's more, Yamaha engineers fine-tuned the system to emphasise precision and clarity, so you hear every musical detail and there's no harshness to cause listening fatigue.

### 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

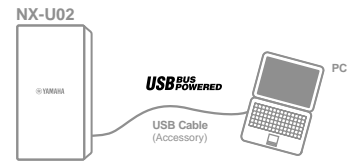
#### Changes the world of PC sound!

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

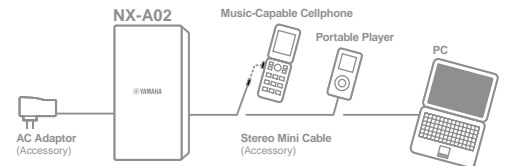
#### Enjoy All Your Music, and Fill Any Room with Beautiful Stereo Sound

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

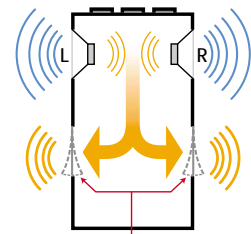


Titanium speaker unit

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™

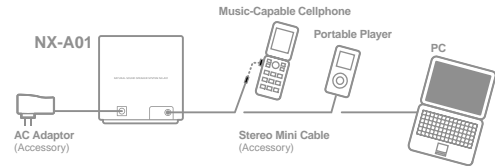
One-Box Cubic Stereo Speaker

### 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.

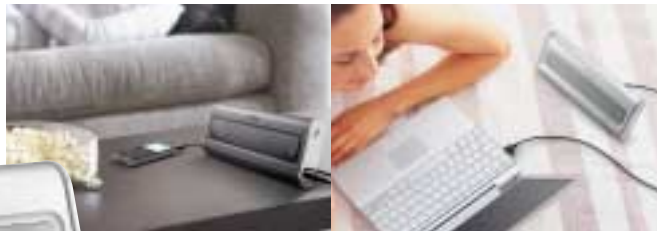
### Greater Music Enjoyment from iPod and Other Portable Devices

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

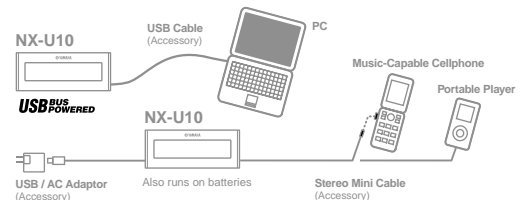
USB Powered Stereo Speaker

### 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

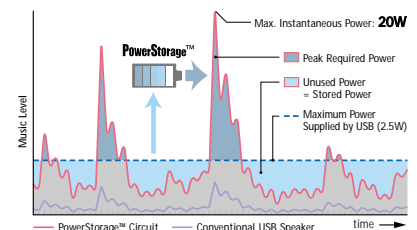
Instead of the 0.5W x 2 that other speakers can provide from the 5V USB power, the NX-U10 outputs 20W (10W x 2) — 20 times as much! It also features SR-Bass for surprisingly deep, rich bass. If you download songs, now you can start really enjoying them — from up close or far away. The easy portability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

# 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)
<b>Advanced Features</b>							
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
<b>High Sound Quality</b>							
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	■	■	■	■	■		
<b>High Picture Quality</b>							
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 480p/576p)	■	■	■			
Full Analog Video Upconversion to HDMI	■ (with TBC)	■ (with TBC)	■ (with TBC)	■ (with TBC)			
Component Video Upconversion	■	■	■	■	■		
<b>Surround Realism</b>							
DSP Program	33 (with CINEMA DSP HD <sup>3</sup> )	22 (with CINEMA DSP 3D)	22	17	17	8	8
THX Ultra2 Plus Surround Programs	■ (7)						
Adaptive DSP Level	■	■	■				
SILENT CINEMA / Virtual CINEMA DSP	■	■	■	■	■	■	■
<b>Extensive Connection / Multi-Zone Control</b>							
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	■	■					
<b>Specifications</b>							
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*
<b>Satellite Speakers</b>	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
<b>Center Speaker</b>	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
<b>Subwoofer</b>	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*
<b>Satellite Speakers</b>	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
<b>Center Speaker</b>	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
<b>Subwoofer</b>	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*
<b>Satellite Speakers</b>	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
<b>Center Speaker</b>	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
<b>Subwoofer</b>	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 mm	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.



The prestigious EISA (European Imaging and Sound Association) Awards are chosen by media representatives from 18 European countries.

# Soavo 1

Natural Sound Speaker System

• Visit us at our website: [www.soavo.com](http://www.soavo.com)

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."




Yamaha's unique technology for the creation of sound fields is capable of powerfully reproducing the three-dimensional environment that movie sound engineers aim to convey, in any audio format from monaural to the latest multi-channel digital surround. It is compatible with DVD and all other A/V sources. Yamaha CINEMA DSP technology has received a patent in the U.S. (Patent No. 5,261,005).



SILENT CINEMA is a trademark of Yamaha Corporation.



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