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Tuesday, March 25, 2014

\*Do not publish this page until the release date (go live date) listed above.

## RX-V777BT

MSRP: \$849.95

Superior audio quality 7.2-channel Wi-Fi built-in network AV receiver supports the latest HDMI® version and offers 4K Ultra HD upscaling, HDMI Zone B for flexible system set up, high-grade aluminum front panel and the world's most advanced features, including CINEMA DSP 3D and YPAO™ Volume. Yamaha Bluetooth® adapter included.



- 7-channel powerful surround sound
- 110 W per channel (8 ohms, 1 kHz, 0.9% THD, 2-ch driven)
- 95 W per channel (8 ohms, 20 Hz-20 kHz, 0.09% THD, 2-ch driven)
- Aluminium front panel for enhanced rigidity
- HDMI (6 in / 2 out) with 4K Ultra HD upscaling, 3D, Audio Return Channel and MHL support
- The latest HDMI version support for 4K 50 / 60p input
- AirPlay®, Pandora®, Rhapsody®, Spotify, SiriusXM Internet Radio music streaming service and AV Controller App
- HTC Connect™ for music streaming from HTC Connect compatible smartphones
- HDMI input on front panel, USB digital connection for iPod®, iPhone® and iPad®
- FLAC, WAV 192 kHz / 24-bit, Apple® Lossless 96 kHz / 24-bit playback and gapless playback compatibility
- Virtual CINEMA FRONT provides virtual surround sound with five speakers in front
- YPAO™ Reflected Sound Control sound optimization with multipoint measurement
- YPAO Volume to ensure natural sounds even at low volume
- Multi-zone audio support (Zone 2)
- HDMI Zone B for audio / video streaming to another room (same content as main room)
- Dialogue Lift and Dialogue Level Adjustment for natural dialogue and vocals
- Advanced GUI on-screen display with (English, German, French, Spanish, Russian, Italian, Japanese and Chinese)
- ECO mode operation for about 20 percent less power consumption

## Videos

### RX-V777BT Overview Video

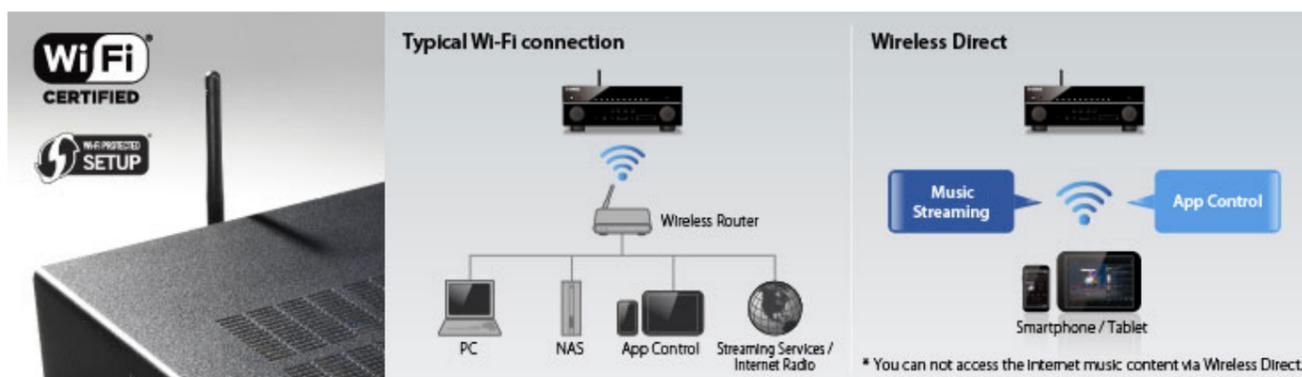


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## Features

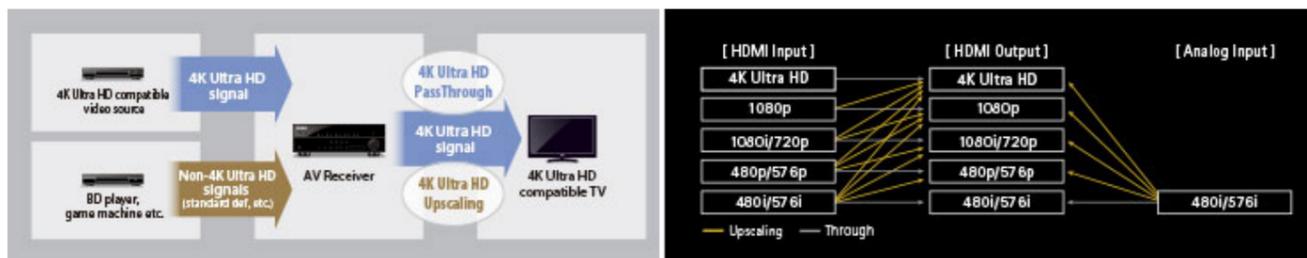
### Wi-Fi Built-in and Wireless Direct Compatible for Easy Network

Wi-Fi built-in capability allows wireless connection with your household wireless router, greatly simplifying system connections to enjoy network audio and music streaming services. If no Wi-Fi router is available, the unique Wireless Direct feature not only allows you to stream music directly from your smartphone or tablet via the AV Controller App's Music Play feature, AirPlay®, etc., but also control your receiver using the AV Controller App.



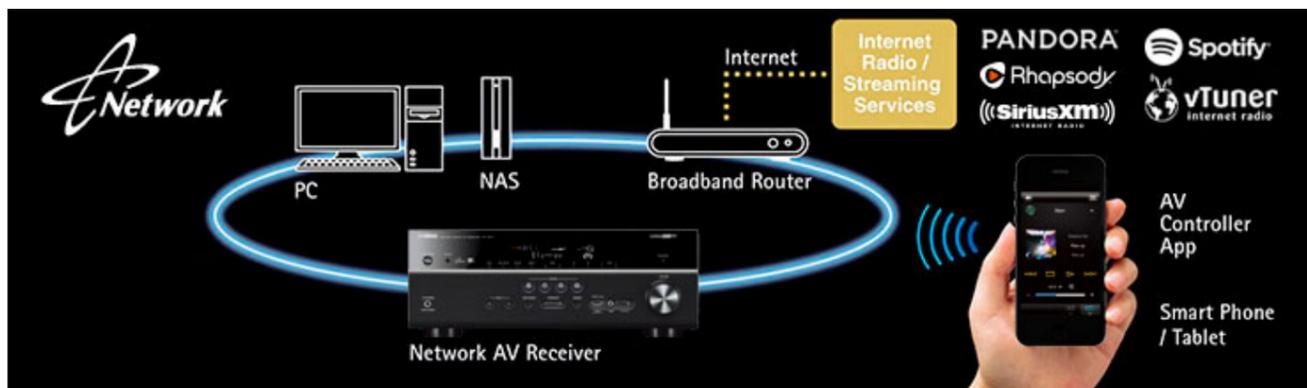
### 4K Ultra HD Pass-through and Upscaling, Latest HDMI® Version

This AV receiver's HDMI input / output supports 4K Ultra HD video image pass-through. It also can perform 4K Ultra HD upscaling to boost a lower resolution image to super high-definition resolution. This ensures compatibility with the latest super high resolution video formats. The latest version of HDMI supports 4K Ultra HD 50 / 60p input for expanding super high definition resolution 4K Ultra HD broadcasting.



## Network Functions

This AV receiver provides a variety of network functions that enable you to access more sources and also enhance operation. You can connect the receiver to a PC to enjoy Internet radio, Pandora®, Rhapsody®, Spotify, SiriusXM Internet Radio and operate your system via WebBrowser Control. The AV Controller App (from iTunes® or Google Play) lets you control various functions from your iPod®, iPhone®, iPad® or Android™ phones / tablets.



## AirPlay Allows Streaming Music to AV Receiver

This AV receiver supports AirPlay, which means they can accept wireless music streaming from iPod touch®, iPhone or iPad, as well as from iTunes on a Mac® or PC. This makes it easy to enjoy music from your mobile devices or computer on your home theater system. You can view metadata such as song title, artist name as well as album art\* via the AV receiver's on-screen display.

\*Some models don't support album art display.



## Stream Millions of Songs with Spotify Connect

With the Spotify app on your smartphone, you've got instant access to millions of songs. And now you can stream those songs to your Yamaha system by using Spotify Connect. Just hit play to start streaming music. What's more, when you've been listening on your smartphone outside and come inside, the song immediately streams to your AVR—like magic, you enjoy uninterrupted music. You can also personalize playlists and receive phone calls while listening to music.

The Spotify app and premium account are required. Visit [spotify.com](http://spotify.com) for more details.

Try Spotify Premium for free on your Yamaha home entertainment system for 30 days. <http://spotify.com/yamaha>



## HTC Connect™ for Wireless Streaming

HTC Connect lets you stream music to your AV receiver wirelessly. You don't need a separate app because HTC Connect is built right into your HTC phone. Simply swiping the HTC phone screen starts music output to the AV receiver, from the HTC device's local music sources or third party music sources.



### AV Controller App for Easy, Convenient Operation

This AV receiver lets you use the Yamaha AV Controller App that is downloadable from iTunes or Google Play to control power on / off and volume, select input and DSP modes and operate other functions from an iPhone or Android device. You can also use in as many as 23\* different languages and customize the interface by hiding unused icons and renaming functions. A tablet version is also available.

\*As of spring 2014.



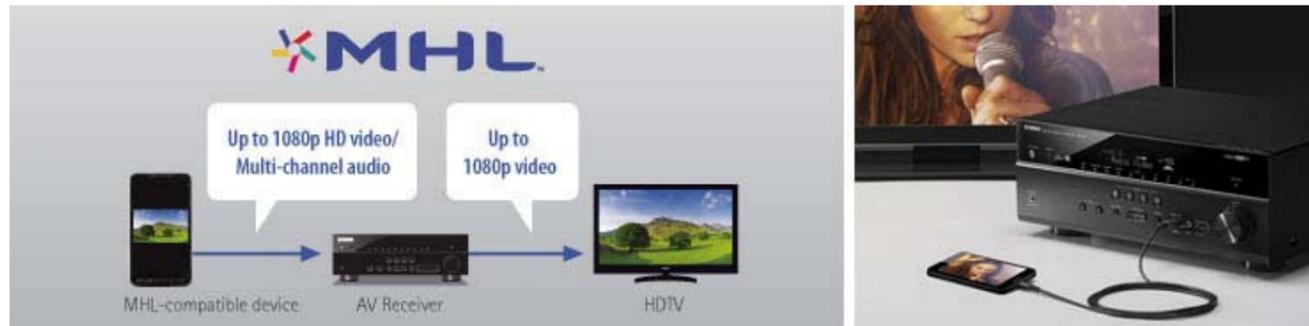
### USB Digital Connection for iPod, iPhone and iPad on the Front Panel

A USB port on the front panel allows convenient connection of an iPod / iPhone / iPad, which also charges when connected. Because the digital signal from the iPod / iPhone / iPad is transmitted directly to the AV receiver, there is no signal loss or interference, so you enjoy the best possible sound quality. In addition, you can use the receiver's remote control unit to operate the iPod / iPhone / iPad music playback functions.



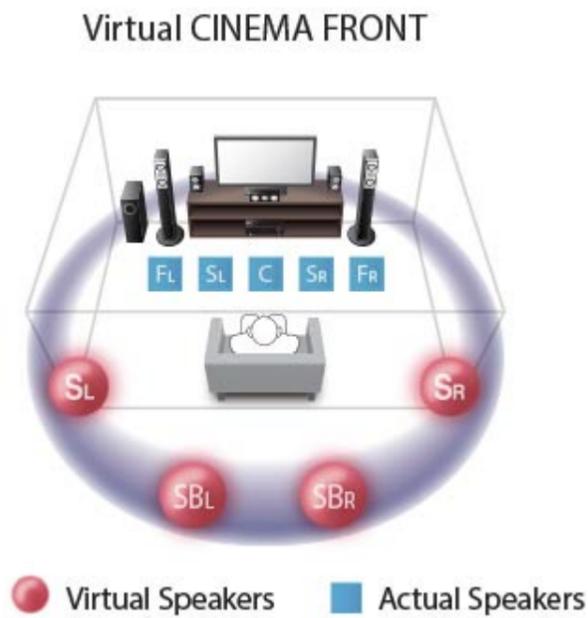
### MHL® (Mobile High-Definition Link) Support for High Quality Video and Audio

MHL provides easy, direct connection of compatible mobile phones and this AV receiver. Playback of up to 1080p video and multichannel audio from the phones is supported. The receiver also charges the connected phone. Play, stop and other basic operations can be controlled from the remote control.



### Virtual CINEMA FRONT Provides Virtual 7-channel Surround Sound with High Quality and Resolution

The Virtual CINEMA FRONT feature lets you place two surround speakers and a center speaker at the front to enjoy virtual 7-channel surround sound with even higher quality and resolution, as well as superior rear virtual sound localization. Adding two additional Front Presence speakers provides a three-dimensional sound field that gives you a feeling of its height and depth and of the vertical movement of the sound. You get more flexibility to arrange your speakers inside the room, along with easy enjoyment of high quality surround sound.



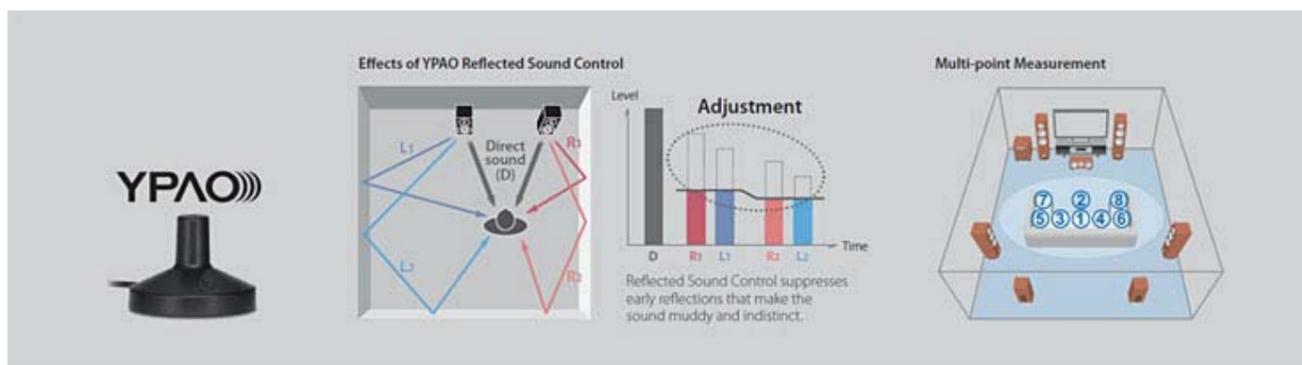
### Extra Bass Provides Rich Bass Reproduction, Even with Small Speakers

Yamaha's exclusive low-range enhancement technology delivers richer bass than you would expect from the speaker size while maintaining good localization and sound balance even with compact front speakers. When a subwoofer is used, it improves the volume of the entire low range of the speaker system, not only the front speakers, but also enhancing the bass from the subwoofer. You'll enjoy video and music with sound that has exceptional power and presence.



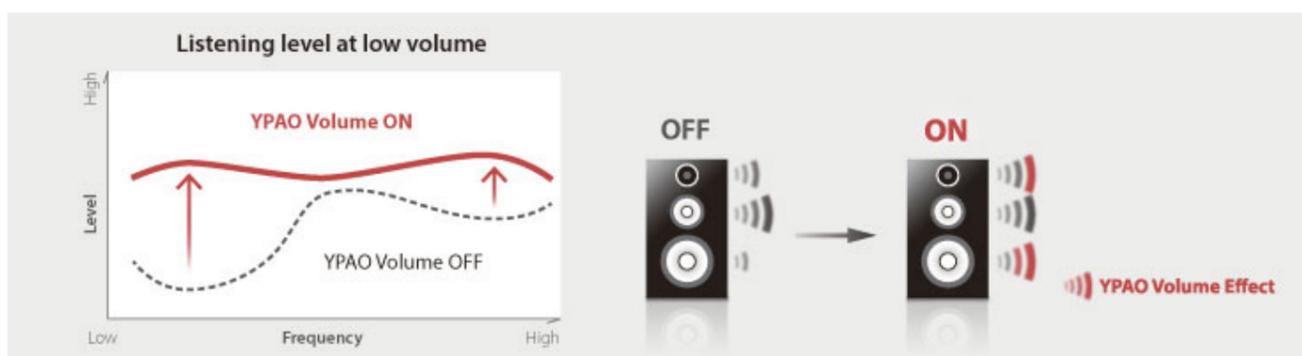
### YPAO™ Reflected Sound Control Sound Optimization with Multipoint Measurement

YPAO Reflected Sound Control analyzes room acoustics and measures various speaker characteristics, then calibrates audio parameters to achieve optimum sound at any of eight listening positions. It employs Reflected Sound Control to correct early reflections for studio-quality sound. It also provides DSP Effect Normalization, which varies the CINEMA DSP parameters according to the reflected sounds.



### YPAO Volume to Ensure Natural Sounds Even at Low Volume

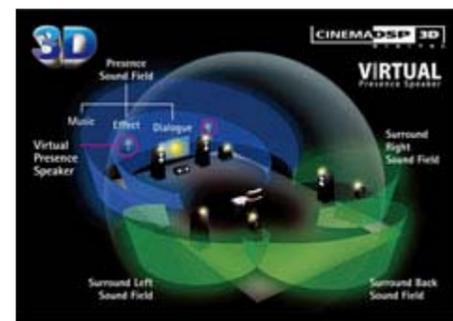
Human ears have less sensitivity to high and low frequencies, especially at lower volumes. YPAO Volume applies loudness EQ correction to automatically adjust high and low frequency levels as volume changes. Using the YPAO measurement results, EQ correction is optimized to your system settings and listening environment.



### HD Audio with CINEMA DSP 3D and Virtual Presence Speaker

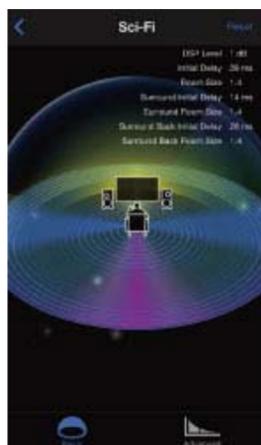
CINEMA DSP 3D provides a wide, high and dense sound field. HD Audio format decoding lets you enjoy HD Audio sources. Virtual Presence Speaker delivers

three-dimensional sound without actual use of presence speakers.



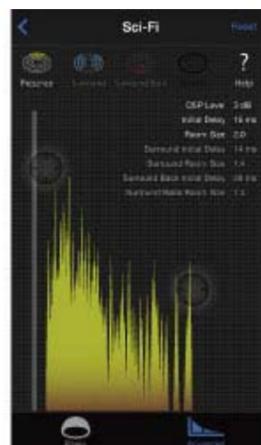
## DSP Parameter Adjustment for Easy and Detailed Setting

This AV receiver is equipped with a variety of sound programs that utilize Yamaha's original DSP technology. They allow you to easily create sound fields like actual movie theaters or concert halls in your room to enjoy natural stereoscopic sound fields. Now you can use the AV Controller App to adjust DSP parameters to your preference to match the type of music / movie or the mood you want to achieve. There are two modes, basic and advanced, that you can choose according to the type of adjustments you want to do.



### Basic Mode

Adjust the sound space by simply pinching in and out.



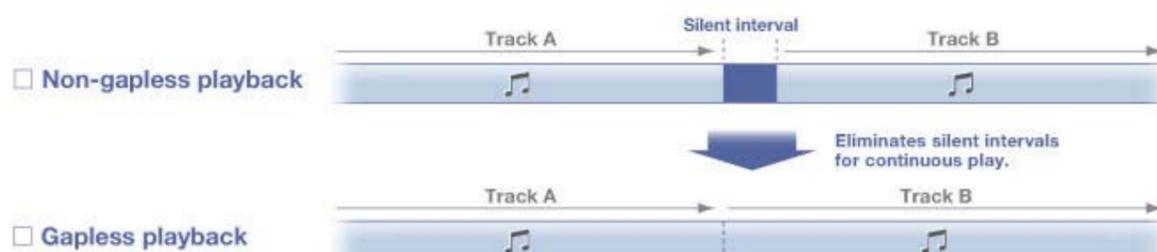
### Advanced Mode

Allows detailed adjustment of various parameters, such as reverb, initial delay and liveness.

## Gapless Playback Compatibility Allows Play without Interruption\*

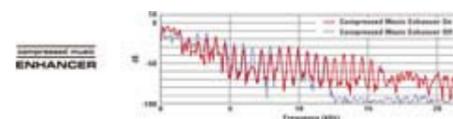
Many live and classical albums have no gaps in the music. Gapless playback ensures that there are no pauses between audio files. This provides playback with no interruptions, the way it was meant to be heard.

\* Compatible with WAV, FLAC and ALAC file formats and input from USB / PC / NAS.



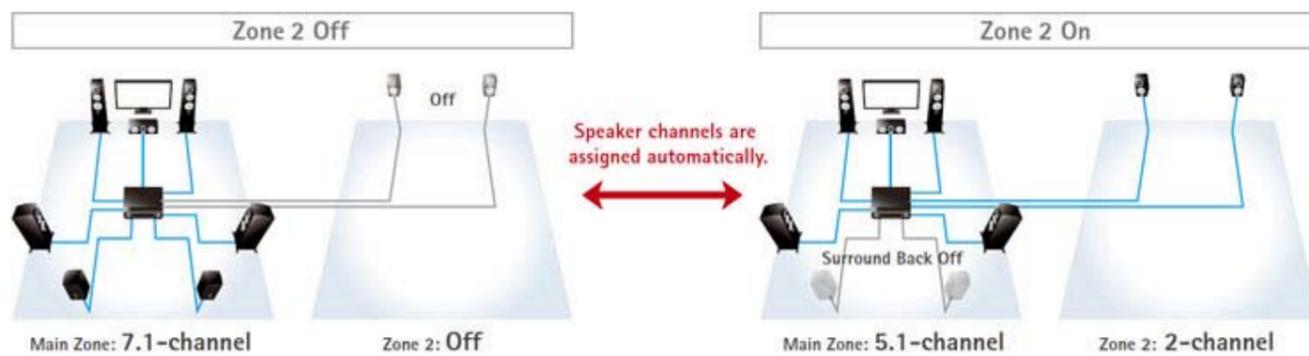
## Compressed Music Enhancer

When music is encoded into a digitally compressed format like MP3, the frequency response suffers. Yamaha's Compressed Music Enhancer employs sophisticated digital signal processing using exclusive algorithms to restore what was lost, so the music always sounds the way it should.



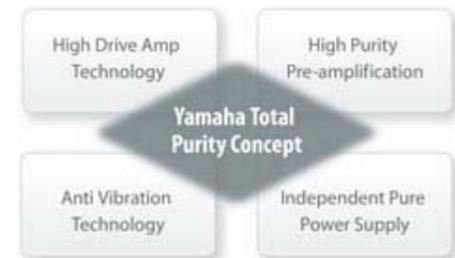
## Intelligent Amp Assign

Intelligent Amp Assign automatically assigns amplifier channels to certain speakers, depending on what functions are selected. For example, in a 7.1-channel system, when Zone 2 is off, all 7.1 channels will be used in the Main Zone. However, when Zone 2 is on, power to the two surround back channels will be directed to the two speakers in Zone 2, and the Main Zone will receive 5.1 channels of power. Similarly, when CINEMA DSP 3D is on, the two Front Presence speakers will be powered and not the two surround back speakers. When CINEMA DSP 3D is off, this situation is reversed. Thanks to Intelligent Amp Assign, there's no need to switch the speaker cables on the rear of the receiver—one more way Yamaha makes your life a little easier.



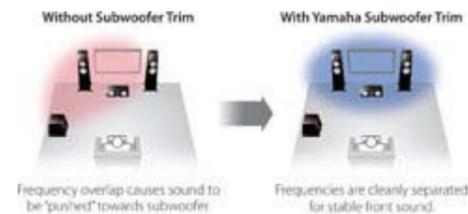
### Total Purity Concept for the Finest Sound Quality

The Total Purity Concept, which Yamaha has been cultivating for many years, encompasses high drive amp technology, high purity preamplification, anti-vibration technology and independent pure power supplies. All models have a fully discrete power amplifier that helps to minimize distortion. They also adopt independent pure power supplies, allowing dedicated power supplies for the analog and digital circuitry to prevent digital noise from affecting analog circuitry. The anti-vibration heatsinks are designed to suppress vibration from transistors and sound pressure. Independent power supplies for the DACs are designed to further eliminate noise on certain models. Down to every detail, these AV receivers are designed with full emphasis on the highest possible sound quality.



### Subwoofer Trim Control for Improved Sound Imaging

The Subwoofer Trim Control enhances the low frequencies by avoiding overlap with the front speaker output. This will result in a cleaner, more focused sound stage while providing a seamless frequency response. When subwoofer frequency overlap occurs in conventional systems, the overall sound is "pushed" toward the subwoofer. Subwoofer Trim Control takes care of this by separating the low subwoofer frequencies cleanly, thus stabilizing the front stage while providing a well-balanced enhanced bass sound.



### SCENE for One-touch Start

Pressing a SCENE button powers on the AV receiver and selects the input source and DSP mode. You can reset the buttons for different sources by selecting a source and DSP mode, then pressing a SCENE button for more than three seconds.



### Dialogue Lift and Dialogue Level Adjustment for Natural Dialogue and Vocals

Dialogue Lift raises the sound of dialogue from the center speaker to a position in the center of the screen. Newly developed Virtual Dialogue Lift achieves Dialogue Lift function even without the need for presence speakers. Dialogue Level Adjustment lets you control the volume of the vocal sound, so you hear movie dialogue and music vocals at the ideal level for clear, comfortable listening.



### Advanced Multilingual GUI On-screen Display

Yamaha's latest graphical user interface has a high resolution display with clear, easy-to-use menus and also includes a selectable status bar that shows input source, volume level, DSP mode and audio format. The GUI provides a choice of eight languages: English, French, German, Spanish, Italian, Russian, Japanese and Chinese and can be displayed over both normal and 3D pictures.



## Specs

### AV Receiver

Amplifier Section	Channel	7.2
	Rated Output Power (1kHz, 2ch driven)	110 W (8 ohms, 0.9% THD)
	Rated Output Power (20Hz-20kHz, 2ch driven)	95 W (8 ohms, 0.09% THD)
	Dynamic Power per Channel (8/6/4/2 ohms)	130 / 170 / 195 / 240 W
Surround Sound Processing	CINEMA DSP	Yes (3D)
	DSP Programs	17
	Virtual Presence Speaker	Yes
	SILENT CINEMA	Yes
	Virtual CINEMA FRONT	Yes
	Extra Bass	Yes
	Dialog Level Adjustment	Yes
	Dolby TrueHD	Yes
	Dialogue Lift	Yes (no presence speakers required)
	Dolby Digital Plus	Yes
	DTS-HD Master Audio	Yes
	Dolby Pro Logic IIx	Yes
Audio Features	Compressed Music Enhancer	Yes
	YPAO sound optimization	Yes (R.S.C.)
	Adaptive DRC (Dynamic Range Control)	Yes
	Initial Volume & Maximum Volume Setting	Yes
	Pure Direct	Yes (with video on mode)
	Audio Delay	Yes (0-500 ms)
	192kHz/24-bit DACs for all channels	Yes (Burr-Brown)
	YPAO multi-point measurement	Yes
	YPAO Volume	Yes
	Bi-amp capability	Yes
Video Features	4K Ultra HD pass-through	Yes
	HDMI 3D pass-through	Yes
	HDMI Audio Return Channel	Yes
	Deep Color/x.v.Color/24Hz Refresh Rate /Auto Lip-Sync	Yes
	4K Ultra HD Pass-through and upscaling	Yes (latest HDMI version for 4K Ultra HD 50 / 60p)
	HDMI upscaling	Yes (analog to HDMI / HDMI to HDMI)
Extensive Connection	HDMI Input/Output	6 (1 front) / 2 (simultaneous)
	HDMI CEC	Yes (SCENE, device control)
	USB Input	iPod® / iPhone® / iPad®, USB memory, portable audio player
	Front AV Input	HDMI (MHL support) / USB / Composite
	Network Port	Yes
	Digital Audio Input/Output: Optical	2 / 0
	Digital Audio Input/Output: Coaxial	2 / 0
	Analog Audio Input/Output	5 / 1
	Component Video Input/Output	2 / 1
	Composite Video Input/Output	5 (1 front) / 2
	Headphone Output	1
	Preout	7.2-ch
Connectivity	DC Out	Yes
	AirPlay	Yes
	Wi-Fi	Yes (with Wireless Direct)
	MHL Support	Yes
	Wireless Music Streaming	Yes (YBA-11 Bluetooth® Adaptor)
Tuner Section	FM/AM Tuner	Yes
User Interface	On-screen display	Graphical user interface
	SCENE	SCENE (4 sets)
	Remote Control Unit	Yes
	App Control	Yes (iPhone / iPad / Android™ phone / tablet)

	Web Browser Control	Yes
Zone Control	Zone 2 Audio Output	Line output
	Powered Zone	Zone 2
	+12V Trigger Output	1
	Remote (IR) Input/Output	1 / 1
	Party Mode	Yes
General	Standby Power Consumption (IR only)	≤0.15 W
	Auto Power Standby	Yes
	ECO mode	Yes
	Dimensions (W x H x D)	17-1/8" x 6-3/4" x 14-3/8" (with antenna: 17-1/8" x 9-1/4" x 14-7/8")
	Weight	23.2 lbs.

## Technology

### AirPlay®



AirPlay provides the convenience of wireless music playback of your iTunes® from iPod®/iPhone®/iPad® and Mac®/PC.

### Network



Yamaha AV receivers are the perfect control centers for a home entertainment network. Their network functions include support for FLAC 96/24 (high quality lossless format), compatibility with Windows 7 and DLNA® 1.5 (for finding and playing digital sources) and WebBrowser Control from a PC or PDA.

### Wi-Fi CERTIFIED™



Certified products provide the best user experience and carry the Wi-Fi CERTIFIED logo, ensuring products meet industry-agreed requirements for interoperability, security, and reliability. Choosing Wi-Fi CERTIFIED products enables you to mix and match devices from different manufacturers without worry. All Wi-Fi CERTIFIED products deliver interoperability and industry-standard security.

### Wi-Fi Protected Setup™



Wi-Fi Protected Setup™ is designed to ease set up of security-enabled Wi-Fi® networks in home and small office environments. It supports methods (pushing a button or entering a PIN) that are familiar to most consumers to configure a network and enable security. It gives consumers an easier approach to set up a security-protected Wi-Fi connection, either between devices or in a network configuration.

### Bluetooth®



Bluetooth is a technology for wireless communication between devices within an area of about 33 ft employing the 2.4 GHz frequency band, a band which can be used without a license. The Bluetooth word mark and logos are registered trademarks owned by Bluetooth SIG, Inc.

### aptX®



aptX® audio coding delivers CD-quality wirelessly over Bluetooth®, enabling users to lose the wires without compromising on audio quality. With the aptX® audio codec source material is transparently delivered over the Bluetooth® link, whether it is stored uncompressed or in an alternative compression (MP3, AAC, FLAC) format. Low audio coding delay minimizes latency and lip-sync issues.

### DLNA Certified®



DLNA certification ensures a device has been tested and proven compatible with various CE, PC and mobile devices designed according to the DLNA Interoperability Guidelines. Products certified by DLNA will bear a logo that will give consumers peace of mind that the device they are purchasing has undergone rigorous testing and conforms to the Interoperability Guidelines.

### Pandora®



Pandora is the effortless and endless source of personalized music enjoyment and discovery. Personalized stations launch instantly with the simple input of a favorite artist, song or genre and we take it from there to provide the soundtrack for that moment. Anytime, anywhere.

### Rhapsody®



Meet your new music collection complete with millions of songs, entire albums and artist hits spanning the decades. This is more than just Internet radio. This is the power to play exactly the songs you want, wherever you are. Give it a try, sign in and start listening.

### SiriusXM Internet Radio



Don't miss a minute of SiriusXM's unmatched lineup of original, exclusive programming with the perfect out-of-vehicle companion to SiriusXM in your car. At home, in the office, at the airport, or in the gym, SiriusXM Internet Radio makes it easy to take over 120 channels of the best commercial-free music and biggest talk personalities everywhere you go.

### Spotify



With the Spotify app on your smartphone, you've got instant access to millions of songs. And now you can stream those songs to your Yamaha system by using Connect by Spotify.

Just hit play to start streaming music. What's more, when you've been listening on your smartphone outside and come inside, the song immediately streams to your AVR—like magic, you enjoy uninterrupted music. You can also personalize playlists and receive phone calls while listening to music.

### HTC Connect™



HTC Connect makes it easy to wirelessly stream your favorite music straight from your HTC phone to your Yamaha AV receiver. There's no need for a separate app; HTC Connect is built right into your HTC smart phone and works within the HTC music player or with any other music applications including internet streaming services.

### Dolby® TrueHD



Dolby TrueHD is Dolby's next-generation lossless technology developed for high-definition disc-based media. Dolby TrueHD delivers tantalizing sound that is bit-for-bit identical to the studio master, unlocking the true high-definition entertainment experience on next-generation discs. When coupled with high-definition video, Dolby TrueHD offers an unprecedented home theater experience that lets you enjoy sound as stunning as the high-definition picture.

### DTS-HD Master Audio™



DTS-HD Master Audio delivers sound quality that matches the clear and vivid images of high-definition video. Blu-ray Disc™ and HD-DVD deliver five times the video resolution of standard DVD and produce images with stunning realism. But that's only half of the story. You need incredible sound to complete the high definition experience and DTS-HD Master Audio provides the highest quality multi-channel sound possible. Movies come alive with sound as lifelike as the picture and music becomes as real as a live

performance.

### Mobile High-Definition Link



MHL® (Mobile High-Definition Link) is the interface standard for high-speed digital video signal transmission that is developed for mobile devices. This interface transmits both digital audio and digital video signals from mobile devices (such as smartphones) using a single cable with any loss. As with HDMI®, MHL complies with HDCP (High-bandwidth Digital Content Protection).

### HDMI®



HDMI (High-Definition Multimedia Interface) is the first and only industry-supported, uncompressed, all-digital audio/video interface. With the ability to deliver crystal-clear, all-digital audio and video via a single cable, HDMI dramatically simplifies cabling and helps provide consumers with the highest-quality home theater experience. HDMI can provide an interface between most audio/video sources, such as a set-top box, Blu-ray Disc™ player, DVD player or AV receiver and a video monitor, such as a high-definition television (HDTV), over a single cable.

Depending on the model of product, HDMI can support standard, enhanced or high-definition video, plus multi-channel digital audio on a single cable. It can support all currently-available compressed audio formats (such as Dolby® Digital and DTS) and most newer HDMI devices can support lossless digital audio formats like Dolby TrueHD and DTS-HD Master Audio™.

(View the specifications of each product for details on HDMI compatibility.)

### Made for iPod® / iPhone® / iPad®



"Made for iPod, iPhone and iPad" means that an electronic accessory has been designed to connect specifically to iPod, iPhone, iPad and has been certified by the developer to meet Apple® performance standards.

### 4K Pass-through / Upscaling



4K Ultra HD pass-through receives super high definition resolution video and passes it to a 4K compatible monitor. 4K upscaling boosts a lower resolution image to super high definition resolution. This ensures compatibility with the latest super high resolution video formats.

### Zone 2



This unit allows you to configure a multi-zone audio system. The Zone 2 feature allows you to set this unit to reproduce separate input sources in the main zone and the second zone (Zone 2). You can control this unit from the second zone using the supplied remote control.

### CINEMA DSP 3D Mode



The actually measured sound field data contains the information of the height of the sound images. CINEMA DSP 3D mode achieves reproduction of the accurate height of the sound images so that it creates the accurate and intensive stereoscopic sound fields in a listening room.

### Virtual Presence Speaker



Virtual Presence Speaker mode provides the 3D sound without Front Presence speakers. The best way to enjoy 3D movies at home is with sound from a Yamaha AV receiver equipped with CINEMA DSP 3D.

### SILENT CINEMA™



SILENT CINEMA makes it possible to hear large-scale surround sound through ordinary headphones! This is a variation of CINEMA DSP technology that Yamaha developed to let you listen in private to movies and other multi-channel sources for hours without listening fatigue.

### Compressed Music Enhancer



Yamaha employs sophisticated digital signal processing with exclusive algorithms to enable playback that improves the performance of compressed music formats, including MP3 and WMA. With the Compressed Music Enhancer, highs and especially lows are richer and smoother, bringing music back to life to be as close to the original as possible.

### SCENE – A NEW LEVEL OF OPERATING EASE



With the press of a single button, anyone in the home can enjoy the performance of a Yamaha AV receiver. SCENE buttons found on the front panel, the middle of the remote control and on the AV Controller App are the key to simple receiver operation. For example, pressing the TV SCENE button will turn on the receiver, switch to the TV input and recall your selected DSP surround mode. One button is all it takes. While the receiver is preset with typical listening SCENEs, it is simple to customize a SCENE button for one touch recall of your favorite listening settings.

### YPAO™ Automatic System Calibration



Yamaha's YPAO system uses a small microphone and sophisticated equalization to automatically set the best sound for any room, no matter where the speakers are. First, it checks the speaker connections and phase of each speaker. Then it sends out tones which are captured by the microphone to analyze the room acoustics and sets a variety of parameters, such as the speaker size, the distance of the speakers and even the sound pressure level, etc. Until it achieves the best sound conditions for your room and you don't have to do anything!

### ECO Mode



ECO mode reduces power consumption by about 20 percent\*. It can be set easily from the top of the GUI/OSD menu.

\*Compared to power consumption when ECO mode is off. (Yamaha measurement.)