



2015 Pioneer AV Receivers

Audio Technologies

- MCACC Auto Room Tuning
 - Phase Control
- Advanced MCACC Auto Room Tuning
 - Auto Phase Control Plus
 - Speaker Polarity Check
 - Standing Wave Control
 - Subwoofer EQ
- MCACC Pro Auto Room Tuning
 - Independent Dual Subwoofer Output
 - Full Band Phase Control
 - Bass Management System for Dolby Atmos Enabled Speakers
- Advanced Sound Retriever
- Auto Sound Retriever
- Auto Sound Retriever for ARC
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- Sound Retriever Link
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- Hi-bit24 Audio Processing
- SABRE™ Premier Audio DAC

Video Technologies

- Video Scaler (1080p to 4K) with Super Resolution
- Ultra HD (4K/60p/4:4:4/24-bit) Pass-Through with HDCP 2.2
- Deep Color
- "x.v.Color"

Audio Formats & Licenses

- Dolby Atmos®
- Dolby TrueHD
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- Hi-Res Audio File Playback via USB/Network
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- Various Music File Playback via USB/Network/HDMI
- Variable File Play Action
- Gapless Playback

Sophisticated Surround System

- 7ch Speaker Configurations
- Virtual Speakers
- Advanced Surround Modes
- Front Stage Surround Advance

Connectivity

- HDMI® (4K/60p, 3D, ARC)
- Made for iPod and iPhone
- iPod Digital Transmission via Front USB
- Android™ Audio/Video Playback with MHL™
- Front USB Input

Network Features

- Apple AirPlay Certified
- DLNA Certified™ (1.5)
- HTC Connect™ Certified
- Compatible with Windows® 8.1
- Pandora® Internet Radio
- Spotify® Digital Music-Streaming Service Ready
- Internet Radio (vTuner)
- Built-in Dual Band Wi-Fi
- Built-in Bluetooth Wireless Technology

Advanced Control

- Ready for Start-up Navi App
- Built-in AVNavigator
- Ready for iControlAV5 App
- Powered HDMI ZONE Out (Powered HDZONE)
- Standby Pass-Through without CEC
- Auto Power Down
- Power Save for HDMI Standby Through

* New features in blue

Applicable models displayed in icons:

1130	VSX-1130-K
830	VSX-830-K
530	VSX-530-K

For North America

MCACC Auto Room Tuning

1130 830

Create the optimum acoustic environment with Pioneer's MCACC (Multi-Channel Acoustic Calibration System), developed with the expertise of professional recording studios. The system — complete with custom microphone — automatically compensates for differences in speaker size, level and distance, and equalizes response.



Phase Control

When amplifying multi-channel audio signals, receivers use a Low Pass Filter (LPF) to process low-frequency signals for subwoofer output. This causes "phase lag" — a delay of approximately 5 msec — of the low-frequency signals compared to the main channel signals. As a result, the delayed bass makes the sound lack synchronization. Pioneer's Phase Control technology effectively eliminates phase lag and significantly improves the multi-channel sound without any extra operation.



Advanced MCACC Auto Room Tuning

1130 830

The Advanced MCACC uses a 3D calibration method with even more precise measurements by including the time axis. The AV receivers also feature a speaker polarity check for detecting misconnected cables, and a reverb measurement display for showing before/after calibration results. The system automatically measures crossover frequency — much easier than the previous manual setting — and also lets you check the measured data by MCACC application in the AVNavigator. The subwoofer EQ feature has been newly added, for auto or manual EQ adjustments.



Auto Phase Control Plus

During Blu-ray Disc/CD playback, Auto Phase Control Plus makes real-time analysis of the phase difference between the LFE (low frequency effect) and the main signals, and automatically compensates the gap. Elimination of phase lag enhances strong bass and clear high-frequency sound — especially effective for audio content such as live performance and music video clips.



Auto Phase Control Plus

* Effectiveness depends on content

Speaker Polarity Check

The Advanced MCACC will check the speaker polarity for proper connection. "Reverse Phase" will be displayed on the GUI screen if the speaker's wiring (+ and -) is inverted.

Standing Wave Control

Acoustic standing waves occur when the sound waves from your speaker resonate with those reflected off the walls. Depending on the speaker placement, your listening position or the shape of the room, standing waves have a negative effect on the overall sound, especially in certain lower frequencies. Standing Wave Control effectively decreases resonance and prevents inaccurate EQ-setting calibration.

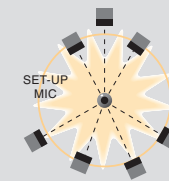
Subwoofer EQ

This new EQ feature allows you to adjust the LFE tone. For Auto MCACC, the subwoofer EQ is automatically adjusted with EQ type ALL CH ADJ, while manual adjustment is available with EQ type SYMMETRY and FRONT ALIGN. As with other EQ, the manual adjustment can be done on the AV receiver's GUI.

Acoustic Calibration by MCACC

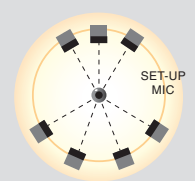
Before Calibration

Speaker distance, sound pressure level, and frequency response are all uneven.



After Calibration

Speaker distance, sound pressure level, and frequency response are all equalized.



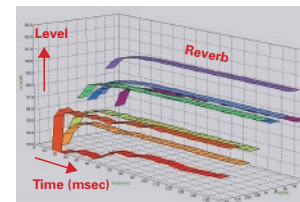
The sound field is automatically measured using the supplied mic.

Calibration

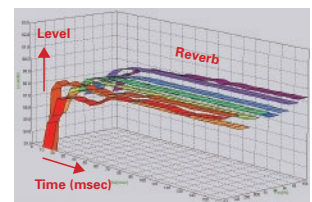
Speaker sizes and number of speakers are automatically detected.

MCACC Reverberation Characteristics

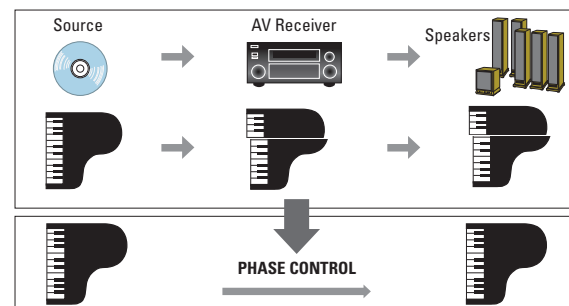
Before Calibration



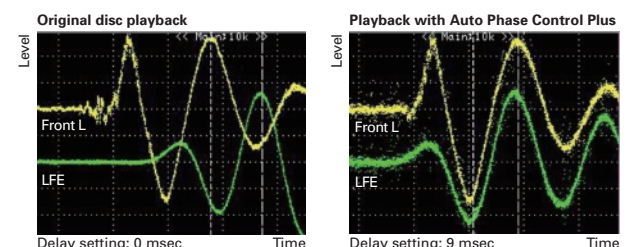
After Calibration



The "Phase Control" Compensates for the Delay of Low-Frequency Sound

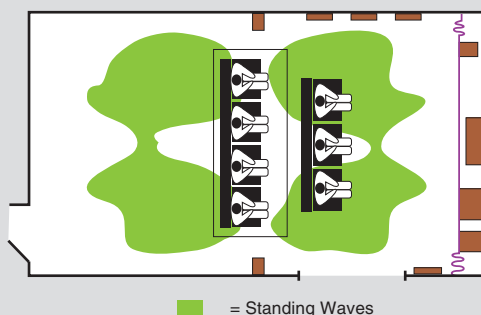


Effect of Auto Phase Control Plus (data comparison)



Superior sound provided by compensating the lag in the subwoofer channel on the disc.

Standing Wave in a Typical Listening Room



■ = Standing Waves

MCACC Pro Auto Room Tuning

1130

On top of Advanced MCACC features, MCACC Pro goes a step further by analyzing the phase and group delay characteristics due to network filtering to precisely control phase differences between speakers. This correction is also performed between channels, providing a smooth flow of sound as if all delivered from the same type of speaker. Other features include independent correction for dual subwoofers, and speaker position adjustment in 1-millimeter increments. MCACC Pro corrects phase differences in all ranges and all channels, from phase difference in the original audio material to the sound emitted from the speakers.



Independent Dual Subwoofer Output

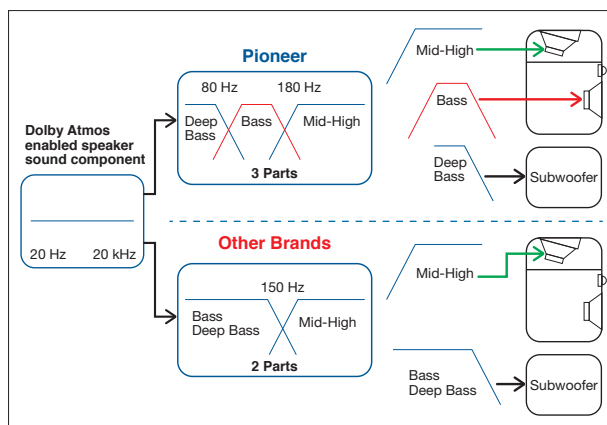
When connecting an additional subwoofer to increase the bass, the two subwoofers may not be at a same distance. In such a case, cancelling out of the bass may occur and prevent you from perceiving the full effect of the additional subwoofer. MCACC Pro supports independent adjustment for each subwoofer, offering optimal performance for a dual-subwoofer setup. You can enjoy free placement of your subwoofers.

Full Band Phase Control

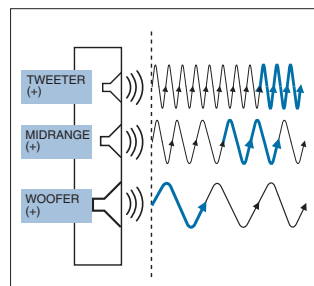
The further advanced Full Band Phase Control technology focuses on the group delay in the speaker network filter, and compensates with special digital signal processing (DSP), to adjust the phase of each unit as well as the group delay for each speaker. Full Band Phase Control gives multi-range speakers the sound coherence of full-range speakers, while retaining the wide frequency range advantage.

Bass Management System for Dolby Atmos Enabled Speakers

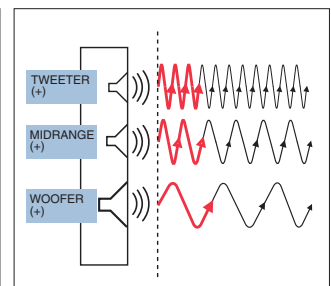
When using Dolby Atmos enabled speakers, the low-frequency components are usually all redirected to the subwoofer. Since this will include frequencies featuring directivity, the resulting sound lacks a seamless feel. MCACC Pro redirects the low frequency component with directionality to the floor speaker below the Dolby Atmos enabled speaker element, and the lower frequency components to the subwoofer. This optimal signal distribution creates superior sound localization, maximizing the advantage of Dolby Atmos content.



Full Band Phase Control Off

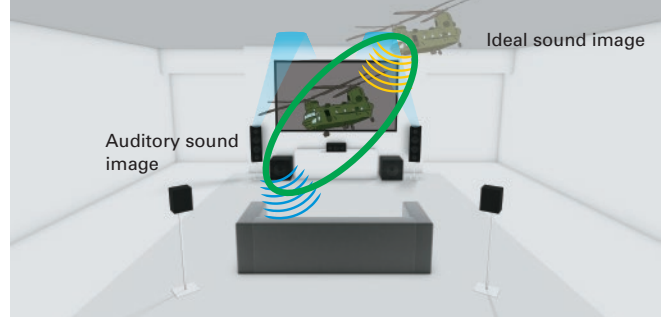


Full Band Phase Control On

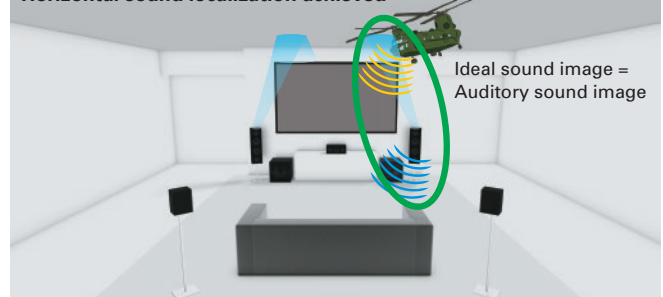


Adjusts group delay for each unit

With Traditional Bass Management System
No horizontal sound localization



With New Bass Management System for
Dolby Atmos Enabled Speakers
Horizontal sound localization achieved



Advanced Sound Retriever

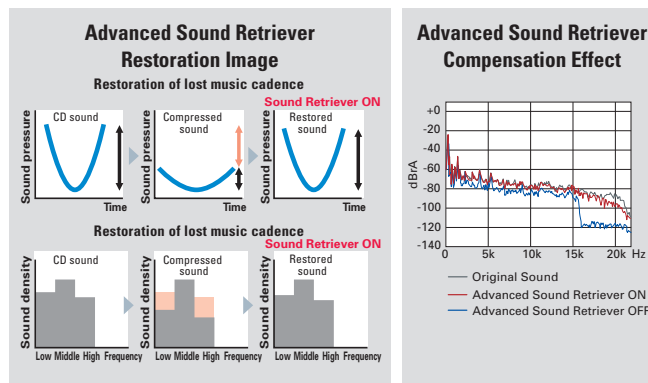
1130 830 530

Pioneer's AV receivers feature the **Advanced Sound Retriever**, which restores the output of compressed audio — such as WMA, MPEG-4 AAC, and MP3 — to the level of CD sound. The **Advanced Sound Retriever** creates new signals to restore the minor details left out during the compression process.



Multi-Channel Advanced Sound Retriever 1130 830

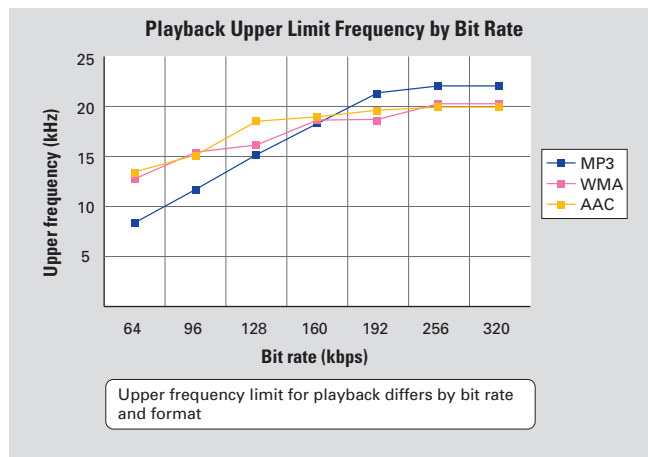
Advanced Sound Retriever for multi-surround sound is compatible with DVD soundtracks featuring Dolby Digital or DTS.



Auto Sound Retriever

1130 830

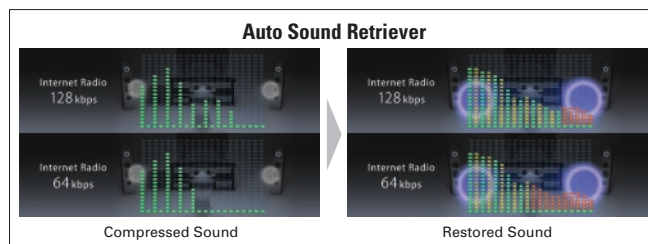
As shown on right, the upper frequency limit for playback differs by bit rate and format of the compressed content. Conventional audio compensation methods apply a consistent level of adjustment, so for some content, it may not be optimal, either too much or too little. **Auto Sound Retriever** automatically detects the difference and adjusts accordingly. Therefore, even when listening to internet radio with various bit rates and formats by station, you can always enjoy optimised sound.



Auto Sound Retriever for ARC

1130 830

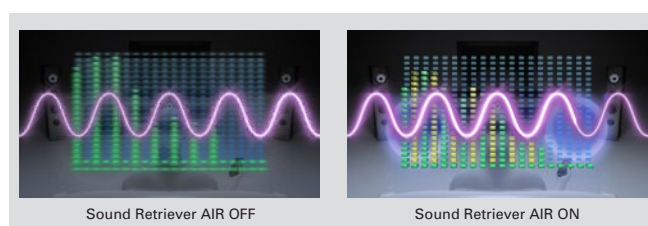
With digital broadcast, although images are displayed in high-definition, the audio quality is not as high since they are compressed with various bit rates. By applying Pioneer's **Auto Sound Retriever** feature to TV broadcast signals, it adjusts the effects according to the bit rate transferred via HDMI's ARC (Audio Return Channel), letting you enjoy digital TV broadcast in high-definition sound via Pioneer AV receiver.



Sound Retriever AIR

1130 830

When streaming music via **Bluetooth**, the sound quality often suffers due to the compression process. Pioneer's **Sound Retriever AIR** is the world's first technology for improving the quality of **Bluetooth** transmitted sound. It restores the music cadence lost through compression, and also reduces the noise generated by **Bluetooth** transmission for a better S/N ratio.



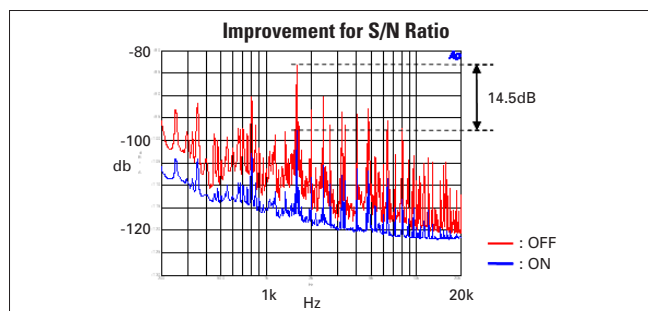
Sound Retriever Link

1130 830

Through HDMI connection, **Sound Retriever Link** detects the original audio file information such as source type, codec, and bit rate played on a compatible Pioneer Blu-ray Disc player, and automatically switches to the most suitable **Sound Retriever**. So there is no need to switch on/off according to the source. **Advanced Sound Retriever** is selected for Blu-ray Disc and DVD sources, and **Auto Sound Retriever** is selected for other sources.



* **Advanced Sound Retriever** is selected for all sources when connected with a non-compatible Blu-ray Disc player.



Auto Level Control

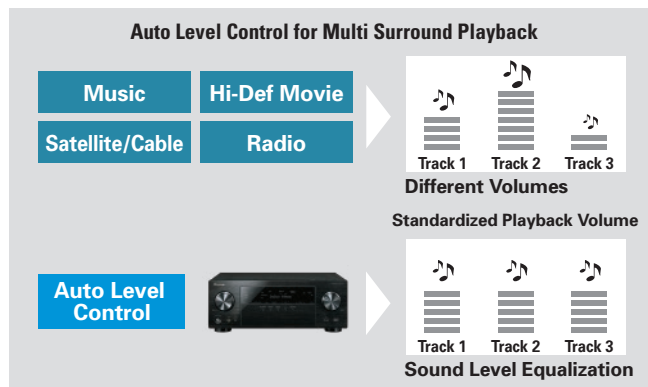
1130 830 530

Auto Level Control equalizes volume level differences between tracks when playing music from an iPod or other sources.



Multi-Channel Auto Level Control 1130 830

Multi-channel Auto Level Control supports surround sound playback, maintaining a consistent level and clear audio. The function adjusts low and high frequency sounds, dialogs, surround effects etc. that are difficult to hear in low volume, to optimal levels — an ideal feature for listening at night without disturbing others.



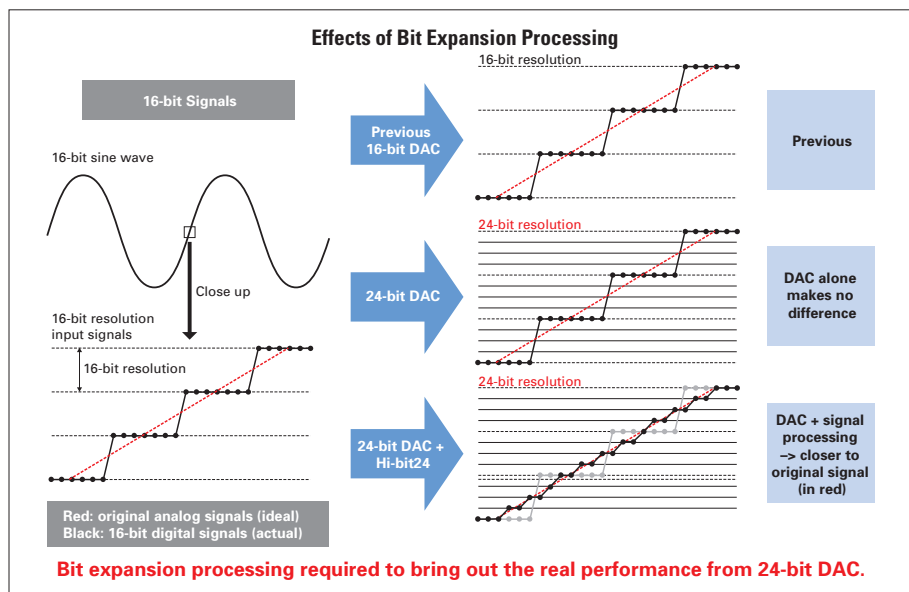
Hi-bit24 Audio Processing

1130

This technology works to create undistorted sound, bringing out the best in the 24-bit DAC. The 24-bit DAC hardware alone does not reproduce better sound. Maximum performance is gained by applying the Hi-bit24 Audio Signal Processing to expand signal resolution, creating more detailed, smooth sound, closer to the original analog signal.



Hi-bit24 also increases the sound pressure for a tactile listening experience, and the more channels you have, the more impressive it becomes. It is effective for multi-channel content on CD/DVD, PC files less than 24-bit and works with any disc player.



SABRE™ Premier Audio DAC

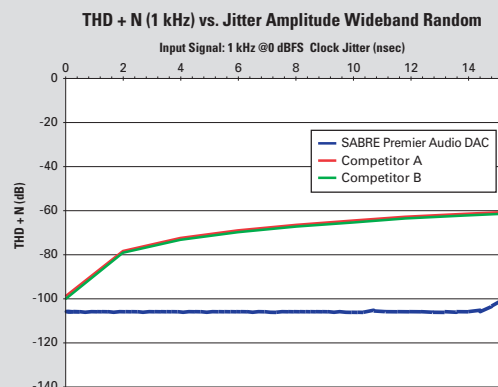
1130

The highly acclaimed 24-bit ES9006S SABRE Premier Audio DAC for 7.2ch is adopted to deliver exceptional digital sound. It features unprecedented dynamic range of up to 120 dB and low distortion, offering clear audio reproduction, free of jitter.



SABRE™ Premier Audio DAC (ES9006S)

Jitter Comparison: SABRE Premier Audio DAC vs. Competitors



Video Scaler (1080p to 4K) with Super Resolution

1130 830

Ultra HD, usually referred to as 4K, is the next generation ultra-high-resolution standard with 3,840 x 2,160 pixels or 4,096 x 2,160 pixels—four times the current HD 1080p standard. By detecting the fine texture in the image and applying appropriate compensation, a more detailed and beautiful image is created. This high-grade HD video is further elevated to an even more detailed, natural and realistic picture with the video scaler featuring super resolution. The AV receiver upscales 1080p video sources up to 4K/60p high-resolution images (4K/60p/4:4:4/24-bit, 4K/24p/4:4:4/36-bit, 4K/60p/4:2:2/36-bit) based on the HDMI 2.0 specification, for viewing on a 4K-compatible display. The AV receivers support 18 Gbps bandwidth, allowing reproduction of 4:4:4 color format, and are ready to bring out the best from the future generation Ultra HD devices with 18 Gbps transfer capabilities.



4K/60p Ultra HD Upscaling

Ultra HD (4K/60p/4:4:4/24-bit) Pass-Through with HDCP 2.2

1130 830 530

The feature lets you take advantage of the highest-quality video source, by passing through 4K/60p signals based on the HDMI 2.0 specification for viewing on a compatible display. The AV receivers support HDCP 2.2, so by connecting to a compatible device, you can enjoy premium content such as 4K videos with digital copy protection.



4K/60p Ultra HD Pass-through



HDCP2.2

* VSX-530-K supports up to 4K/60p/4:4:4 on all HDMI terminals. VSX-1130-K/VSX-830-K support up to 4K/60p/4:4:4/24-bit on BD, DVD (HDMI IN 1), SAT/CABL (HDMI IN 2), HDMI OUT 1 and HDMI OUT 2.


Deep Color

1130 830 530

Pioneer AV receivers support 36-bit Deep Color, featuring smooth gradation steps with more accurate precision of brightness and color information, resulting in superbly detailed, natural color.

"x.v.Color"

1130 830 530

Pioneer AV receivers support "x.v.Color", which  almost doubles the range of colors (known as the "gamut") that can be accurately captured, and reproduced on a compatible display, thereby more closely matching the natural characteristics of the human eye.

**"x.v.Color" only available for playback of discs recorded with AVCHD devices. "x.v.Color" and the "x.v.Color" logo are trademarks of Sony Corporation.

What's 4K?

Next generation high resolution video signal standard with 4 times Full HD resolution.

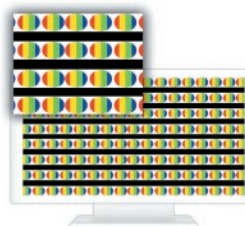
Compatible Resolution

- 3,840 x 2,160 pixels, defined by ITU (International Telecommunication Union) mainly for broadcasting
- 4,096 x 2,160 pixels, defined by DCI (Digital Cinema Initiatives) for Digital Cinema

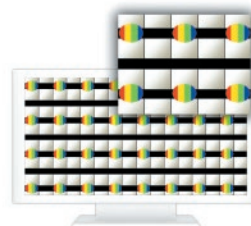


Difference in Resolution by Chroma Format

Chroma Format	Luma Resolution	Chroma Resolution	
		Horizontal	Vertical
4:4:4	Full	Full	Full
4:2:2	Full	1/2	Full
4:2:0	Full	1/2	1/2



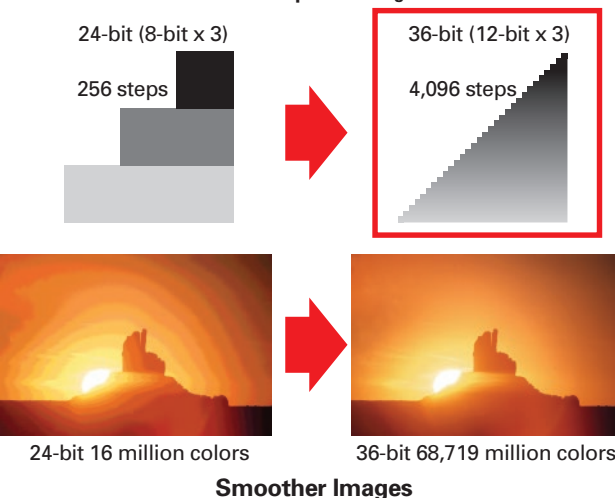
4K/60p/4:4:4



4K/60p/4:2:0

* For illustration purpose only

36-bit Deep Color Image



* For illustration purpose only

Dolby Atmos®

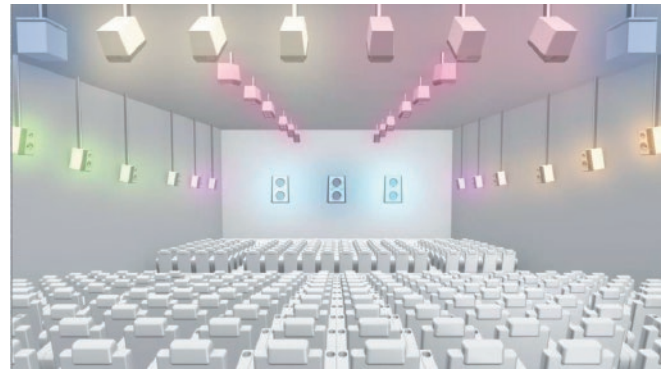
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Dolby Atmos is a unique new technology for enjoying the latest surround sound. In a movie theater, overhead speakers are placed, with a multi-layer approach to the sound design. On top of the conventional channel-based soundtrack, object-oriented mixing is used to layer dynamic sound elements, so regardless of the theater's speaker setup, independent sound elements can move around freely in a three-dimensional space. Compared to Dolby Digital with discrete channels, Dolby Atmos offers seamless surround sound movement with up to 64 separate speaker output and a sense of height created by the overhead speakers. The sound is completely in sync with the screen view, providing total immersion with unprecedented sound localization and movement.



This theater sound experience can be reproduced in your home with Pioneer's Dolby Atmos AV receiver, which not only decodes Dolby Atmos, but also reproduces Dolby Atmos in an ideal sound stage fine-tuned by MCACC Pro.

What's more, with MCACC Pro room calibration technology, the AV receiver not only adjusts the speaker distance, level, and tones, but also the phase differences for precise sound delivery. When using Dolby Atmos enabled speakers, MCACC Pro uses the Bass Management System to bring out the best from Dolby Atmos. You can fully appreciate the object effects of Dolby Atmos with more clear and accurately positioned theater sound.



Speaker Layout of a Dolby Atmos Theater



Speaker Layout Example of a Dolby Atmos Home Theater (5.2.2ch)

Dolby TrueHD

1130 | 830 | 530

Dolby TrueHD delivers sound that is on par with the original soundtrack, letting you experience the world of true high-definition entertainment from Blu-ray Discs. With lossless encoding in up to 18 Mbps bit rate, Dolby TrueHD creates a synergy with high-definition video to offer you a home theater experience like never before.



Dolby TrueHD Loudness Management

1130 | 830

Dolby TrueHD Loudness Management frees you from annoying volume fluctuations that often occur when switching channels, programs, or input sources, by maintaining a consistent loudness-level. The function turns on/off during content playback, activating or deactivating post processing within the decoder. When the function is turned off, audio is delivered in a lossless mode.

High Definition Audio Formats

DTS-HD Master Audio and Dolby TrueHD provide sound that is bit-for-bit identical to the studio master, delivering sound at extremely high variable bit rates far exceeding standard DVDs.

Comparison of High Definition Audio Formats

Compressed		Uncompressed
Lossless	Lossy	
Dolby TrueHD 	Dolby Digital Plus 	Linear PCM
DTS-HD Master Audio 	DTS-HD High Resolution Audio 	Uncompressed 48 kHz/16-bit audio format similar to CD, but with higher sampling frequencies and quantization. No decoding required.

DTS-HD Master Audio

1130

With DTS-HD Master Audio, you can enjoy sound that is bit-for-bit identical to the studio master, at 192 kHz/24-bit for 5.1 channels and 96 kHz/24-bit for 7.1 channels. DTS-HD Master Audio delivers audio at extremely high variable bit rates of 24.5 Mbps, which far exceeds standard DVDs. DTS-HD Master Audio offers movies and music in the pure, original state as intended by the artists.



DTS-HD

830 530

DTS-HD technology provides decoding of the highest quality audio streams for HDMI enabled devices. You can enjoy up to 96 kHz/24-bit 7.1-channel surround sound, including lossless Blu-ray quality HD audio.



Hi-Res Audio File Playback via USB/Network

1130 830

In addition to 5.6*/2.8 MHz DSD (Direct Stream Digital) file playback via USB, the Pioneer AV receivers are the first to realize DSD streaming** via wired and wireless network. As for other Hi-Res formats, up to 192 kHz/24-bit WAV, FLAC, AIFF, and Apple Lossless files can be played via USB as well as both wired and wireless network.



* For VSX-1130-K only

** DLNA compatible server or NAS capable of DSD streaming required



This logo is used for Pioneer products capable of 96 kHz/24-bit or above WAV/FLAC file playback, and Pioneer amplifiers, speakers, or headphones supporting over 40 kHz high-frequency reproduction, designed to derive maximum performance from Hi-Resolution Audio. This logo is a registered trademark of Japan Audio Society.

Multi-channel Audio Playback via USB/Network

1130

Pioneer's AV receivers are the first in the industry to realize multi-channel (5.0ch/5.1ch) playback of high-resolution audio formats. You can fully enjoy recordings of live concerts and classical music without setting up a special system. For FLAC files, 96 kHz/24-bit multi-channel playback is available via USB and wired/wireless network, while for WAV format, 192 kHz/24-bit files can be played back by USB, 96 kHz/24-bit files via wired network, and 48 kHz/24-bit files via wireless network.

Various Music File Playback via USB/Network/HDMI*

1130 830 530

Various music files can be played back via USB or HDMI (SACD). With DLNA and AirPlay features, the AV receivers let you stream audio from compatible devices. Through a DLNA app, you can now stream WMA, MP3, AAC, WAV, FLAC, AIFF, and Apple Lossless audio files stored on your DMS.

* USB only for VSX-530-K

Playable Formats

Format	Extension	Stream		VSX-1130-K/VSX-830-K	VSX-530-K
via USB/Network (VSX-1130-K/VSX-830-K), via USB (VSX-530-K)					
MP3*	.mp3	MPEG-1Audio Layer-3	Sampling Frequency	32/44.1/48 kHz	8-48 kHz
			Quantization Bit Rate	16 bit	16 bit
			Channels	2 ch	2 ch
			Bit Rate	8-320 kbps	8-320 kbps
			VBR/CBR	Supported/Supported	Supported/Supported
WAV	.wav	WAV	Sampling Frequency	32/44.1/48/88.2/96/176.4/192 kHz	—
			Quantization Bit Rate	16 bit/24 bit	—
			Channels	5.1/5.0 ch**, 2 ch	—
WMA	.wma	WMA2/7/8/9	Sampling Frequency	32/44.1/48 kHz	32/44.1/48 kHz
			Quantization Bit Rate	16 bit	8 bit/16 bit
			Channels	2 ch	2 ch
			Bit Rate	5-320 kbps	48-192 kbps
			VBR/CBR	Supported/Supported	Supported/Supported
AAC	.m4a .aac .3gp .3g2	MPEG-4 AAC LC MPEG-4 HE AAC (aacPlus v 1/2)	Sampling Frequency	32/44.1/48 kHz	16-48 kHz
			Quantization Bit Rate	16 bit	16 bit
			Channels	2 ch	2 ch
			Bit Rate	16-320 kbps	8-320 kbps
			VBR/CBR	Supported/Supported	Supported/Supported
Apple Lossless	.m4a .mp4	ALAC	Sampling Frequency	32/44.1/48/88.2/96 kHz	—
			Quantization Bit Rate	16 bit/24 bit	—
			Channels	2 ch	—
FLAC	.flac	FLAC	Sampling Frequency	32/44.1/48/88.2/96/176.4/192 kHz	—
			Quantization Bit Rate	16 bit/24 bit	—
			Channels	5.1/5.0 ch*** (up to 96 kHz), 2 ch	—
AIFF	.aif .aiff	AIFF	Sampling Frequency	32/44.1/48/88.2/96/176.4/192 kHz	—
			Quantization Bit Rate	16 bit/24 bit	—
			Channels	2 ch	—
DSD	.dff .dsf	DSDIFF DSF	Sampling Frequency	5.6448***/2.8224 MHz	—
			Quantization Bit Rate	1 bit	—
			Channels	2 ch	—
via HDMI					
DSD Disc (SACD)	—	—	Sampling Frequency	2.8224 MHz	2.8224 MHz
			Quantization Bit Rate	1 bit	1 bit
			Channels	5.1 ch/2 ch	2 ch

* MPEG Layer-3 audio coding technology licensed from Fraunhofer IIS and Thomson Multimedia

** For VSX-1130-K only. Via wired network up to 96 kHz, and via wireless network up to 48 kHz

*** For VSX-1130-K only

Variable File Play Action

1130 830

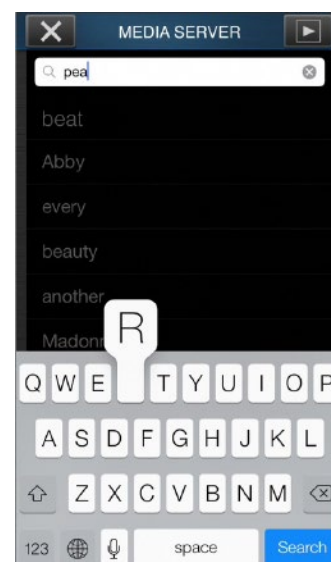
Various features to easily access and play your music library are available for the AV receivers. Using the remote control, you can fast forward/fast rewind during playback, and sort songs (alphabetical/track order). In addition to these operations, the new iControlAV5 app lets you search songs and albums. This feature works even if you don't remember the exact title.

Gapless Playback

1130 830

Enjoy smooth, uninterrupted audio playback for DSD, WAV, FLAC, AIFF, AAC, MP3, and Apple Lossless files. The function is ideal for listening to music tracks intended for continuous play, such as classical music, progressive rock, concept albums, or live recordings.

Search Songs on iControlAV5

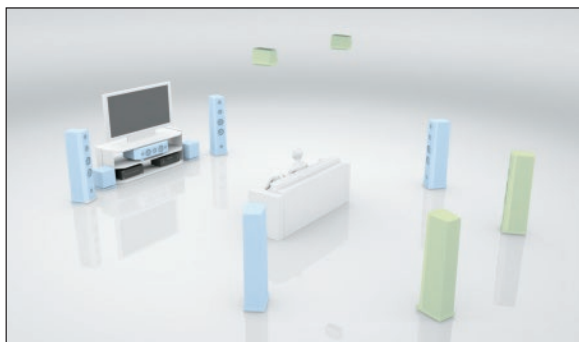


7ch Speaker Configurations

1130

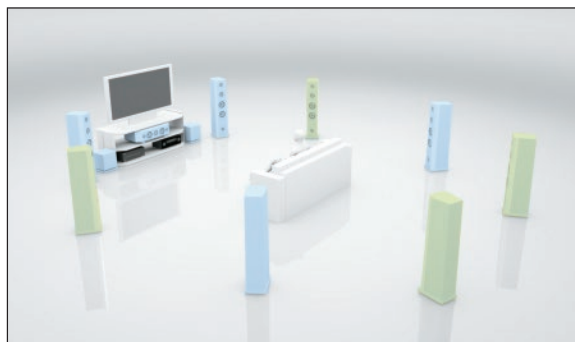
With speaker terminals for 9 channels, various speaker layouts are available to suit your taste or usage patterns. New configurations have been added to provide optimum performance for Dolby Atmos playback.

[A] 7.2-channel Surround System (Top Middle/Surround Back) Connection



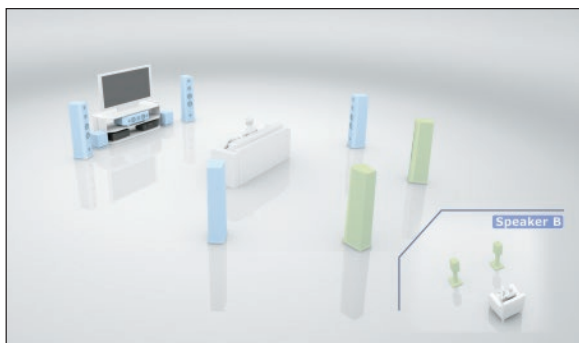
Simultaneous output from top middle and surround back speakers not available.

[B] 7.2-channel Surround System (Surround Back/Front Wide) Connection



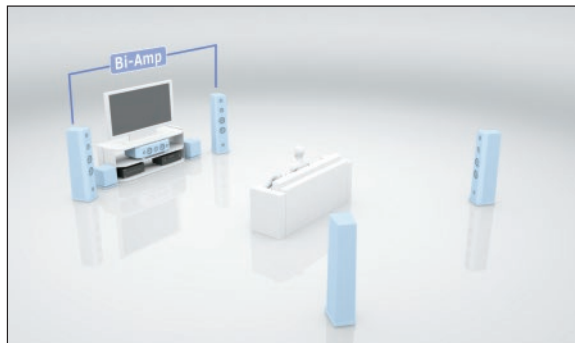
Simultaneous output from surround back and front wide speakers not available.

[C] 7.2-channel Surround System & Speaker B Connection

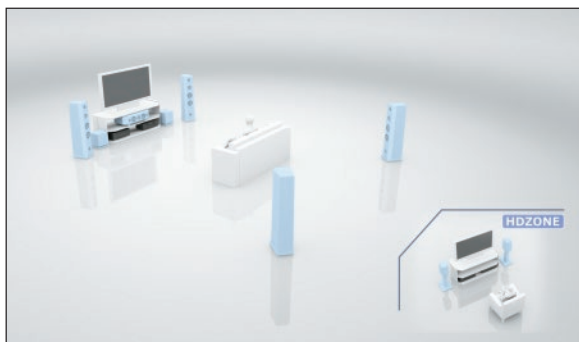


Simultaneous output from surround back and B speakers not available.

[D] 5.2-channel Surround System & Front Bi-Amping Connection (High Quality Surround)



[E] 5.2-channel Surround System & HDZONE Connection (Multi Zone)



Virtual Speakers

1130 830

Pioneer's Virtual Speakers feature lets you enjoy full surround sound without placing extra speakers. By turning on Virtual Surround Back, Virtual Height, and Virtual Wide modes, you can experience virtual 11.1-channel sound from a 5.1-channel speaker setting. The sound field can be adjusted with intuitive control on your mobile device using the iControlAV5 application.



Virtual Wide

Virtual Wide mode (Fig. 1) is a useful solution for creating the effects of front wide speakers, letting you enjoy surround sound in a rich sound field — all without placing extra speakers.

Virtual Height

If you want to experience vertically falling sound but can not place front height speakers, there's a perfect solution. Pioneer's Virtual Height mode (Fig. 2) creates a height sound image without front height speakers, letting you enjoy enveloping virtual 7.1-channel sound from 5.1-channel speaker settings.

Virtual Surround Back

Want to be thrilled by surrounding sound from behind, but don't have the space for surround back speakers? Then try Virtual Surround Back mode (Fig. 3). It simulates 7.1-channel surround sound, giving the impression that you have surround back speakers when listening to a 5.1-channel source. What's more, by turning on both Virtual Height and Virtual Surround Back modes, you can enjoy virtual 9.1-channel sound on a 5.1-channel speaker setting. By adding front wide speakers, you can enjoy virtual 11.1-channel sound from a 7.1-channel speaker layout.

Advanced Surround Modes

1130 830 530

The AV receivers feature 10+1 Advanced Surround Modes — Action, Drama, Advanced Game, Sports, Classical, Rock/Pop, Front Stage Surround, Extended Stereo*, Sound Retriever AIR** (see page 4 for details), ECO Mode 1, ECO Mode 2 + Phones Surround — for an optimized sound for your entertainment.

* Except VSX-1130-K/VSX-830-K (Extended Stereo available in Standard Surround Modes)

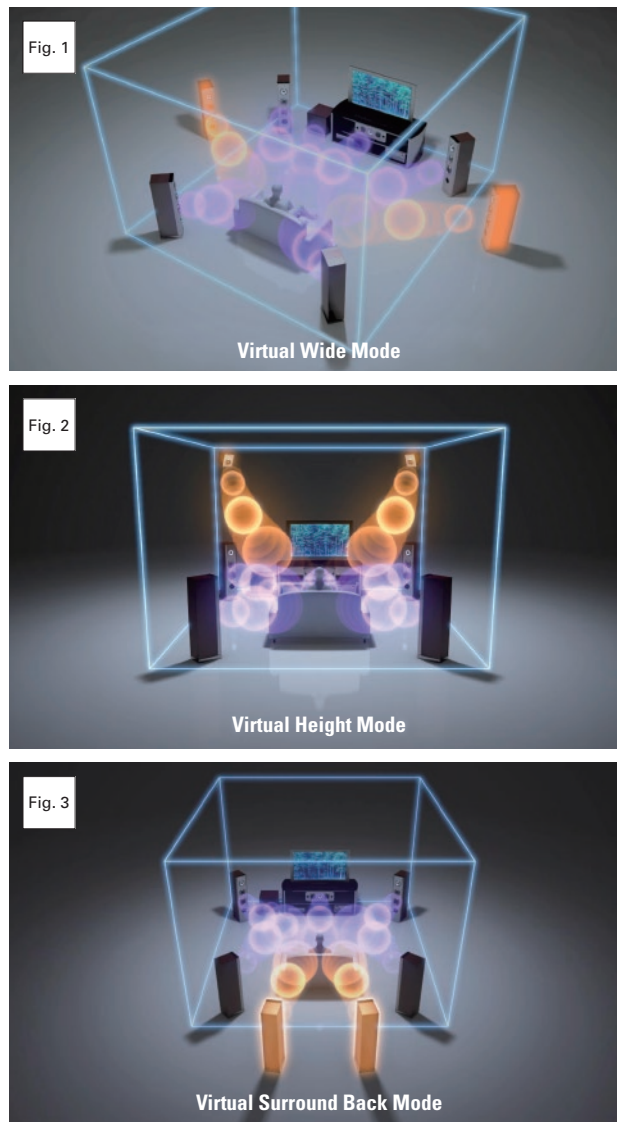
** Except VSX-530-K

Front Stage Surround Advance

1130 830 530

With Front Stage Surround Advance, you can enjoy surround sound coming from only the front speakers and the subwoofer. Since wall reflections are not used, the setup is less dependent on the room environment, allowing front alignment of the speakers. Front Stage Surround Advance creates an excellent sound image and natural sound.

Speaker Layout Examples Virtual speakers shown in orange



HDMI® (4K/60p, 3D, ARC)

1130 830 530

Pioneer's AV receivers feature HDMI with 3D technology. You can enjoy the latest 3D Blu-ray Discs, games, and broadcasts by combining the AV receivers with a 3D compatible Blu-ray Disc player, game console, or tuner (STB) and display via HDMI connection. The Audio Return Channel (ARC) feature allows a TV with built-in tuner to send audio data "upstream" to the AV receiver via HDMI — so there's no need for a separate audio cable. Enjoy full-digital transfer of high-definition audio as well as up to 4K/60p video signals by HDMI connection.



Made for iPod and iPhone

1130 830

The AV receivers are certified "Made for iPod® and iPhone®" products, letting you enjoy music from your iPod/iPhone. The front terminal allows direct USB connection, providing battery charge for your devices.

* Available features depend on iPod/iPhone model
For details on iPod compatibility, visit
<http://pioneer.jp/homeav/support/ios/na>

iPod Digital Transmission via Front USB

1130 830

Enjoy iPod music via digital connection. The audio signals are directly transferred to the AV receiver's high-performance DAC, offering superior sound compared to analog connections. What's more, you can operate your iPod with the AV receiver's remote control.

Functions such as the equalizer cannot be controlled using the AV receiver, so we recommend you to turn off the equalizer before connecting. iPod is for legal or rightholder-authorised copying only. Don't steal music.

Android Audio/Video Playback with MHL

1130 830

One of the HDMI terminals is MHL (Mobile High-Definition Link) compatible, letting you connect an Android device with a MHL cable. High-definition video can be displayed on your HDTV with multi-channel sound, while also charging your device.

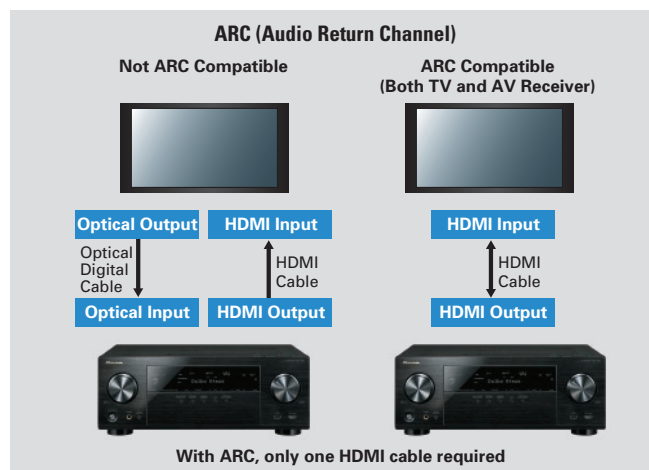
* MHL cable not included

Front USB Input

1130 830 530

Connect a USB memory stick to the front USB and play various audio files (see page 9 for playable formats). You can also view JPEG* pictures or watch a slideshow along with the music stored on the USB memory.

* JPEG playback/slideshow not available for VSX-530-K, and not available in sub zone for VSX-1130-K/VSX-830-K. For slideshows, select music files up to 48 kHz.



Apple AirPlay Certified

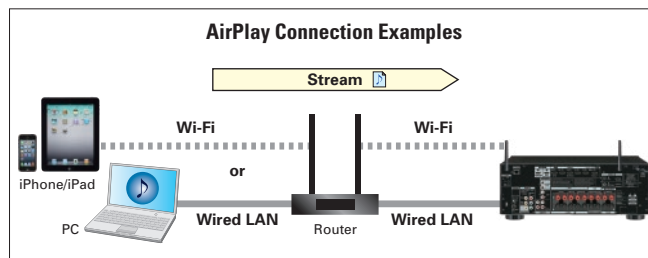
1130 830

AirPlay — Enthusiasts have complete access, control and playback of their entire iTunes music library through their AV receiver. Users can quickly and easily enjoy all their music with song information and album art simultaneously displayed on a connected monitor/TV.



* Available features depend on iPod/iPhone model. For details on iPod compatibility, visit

<http://pioneer.jp/homeav/support/ios/na>



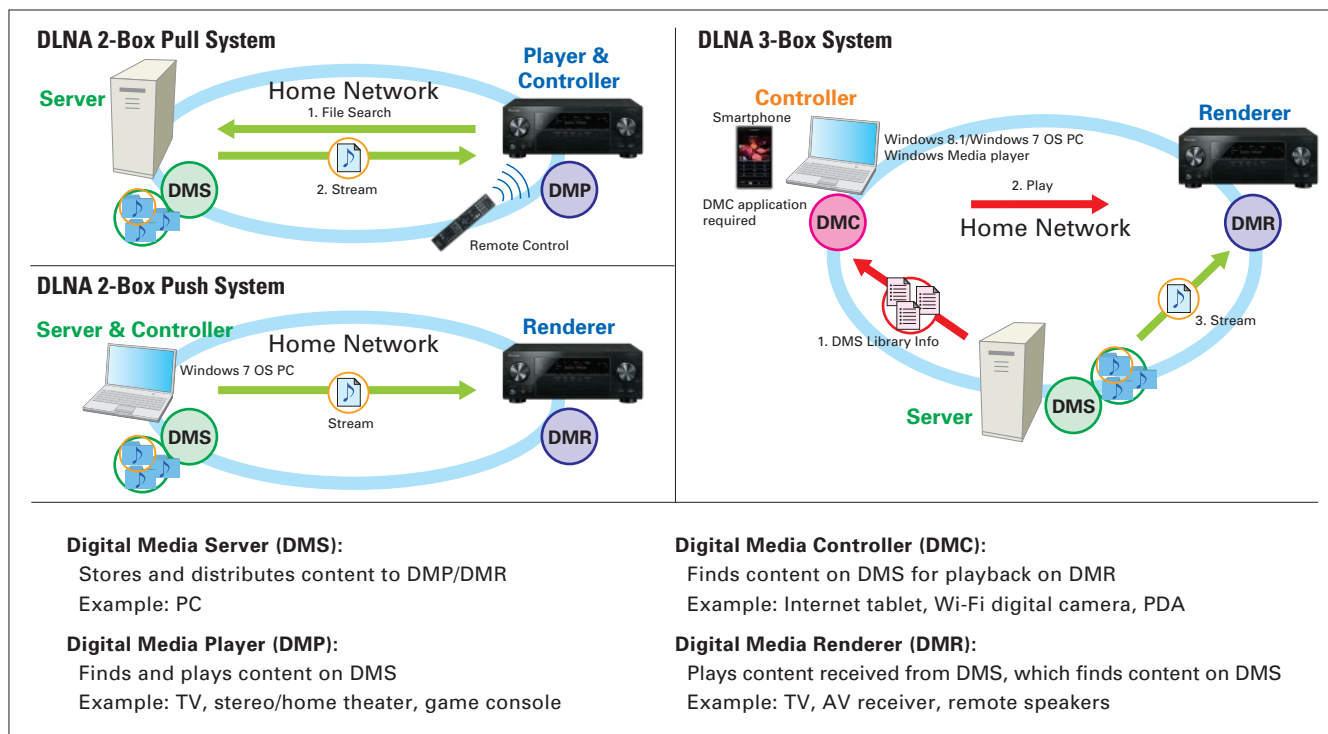
DLNA Certified™ (1.5)

1130 830

The AV receivers are DLNA certified (1.5), enabled to work not only as a Digital Media Player (2-Box Pull System) for playing DMS audio files, but also as a Digital Media Renderer (3-Box System) to be remotely controlled by a device such as a smartphone or PC/Mac. For example, you can play music content* from a PC/Mac in another room, from a separate device in your living room. As a DMR (2-Box Push System), the AV receiver can also play received audio data when the user controls the DMS. For details on playable formats, see chart on page 9.



* Depending on file structure and server capacity, playback may not be available for certain files, including those listed as playable formats on page 9. Playback of DRM protected commercial content requiring DTCP-IP link protection is not supported.



HTC Connect™ Certified

1130 830

Pioneer is the first leading partner to provide HTC Connect certified devices. Through wireless transmission, HTC Connect lets you easily stream high-quality audio from compatible devices such as Android phones, with no need for a separate app.



Compatible with Windows 8.1

1130 830

The AV receivers are compatible with Windows 8.1, letting you easily stream music from compatible PCs on your home network.



Pandora® Internet Radio

1130 830

Pandora is a personalized internet radio service with a recommendation feature. **PANDORA**
Pandora free account offers up to 40 hours of music per month. Paid subscriptions are also available. For details, visit www.pandora.com.

* Service only available in the U.S. as of January 2015.

Spotify® Digital Music-Streaming Service Ready

1130 830

Enjoy on-demand access to millions of songs with Spotify's digital music-streaming service. With the wide range of music selection, you're sure to find a fitting song for your mood or occasion, right at your fingertips. You can make your own choice, or let Spotify surprise you. The AV receivers are ready for the Connect from Spotify, which lets you select songs on your Spotify app for listening on your audio system.



* Spotify App, iPhone/iPod touch/iPad, and subscription required. For service availability in your country check www.spotify.com. Firmware update may be necessary. For details, visit pioneer.eu/spotify

Internet Radio (vTuner)

1130 830

The AV receivers come with the vTuner for listening to a multitude of radio programs from around the world on the internet. LAN connection allows radio access without having to use your PC/Mac. You can easily browse stations using the remote control. Various categories are available on the vTuner station list with over 30,000 stations, offering limitless entertainment. You can even add broadcast stations unavailable on the vTuner list. Access the Pioneer internet radio site from your PC/Mac*, and register the desired stations to your favorites list. Then, you can easily tune in to the radio stations from the AV receiver.



* Access code required

Built-in Dual Band Wi-Fi

1130 830

Enjoy network features such as Hi-Res Audio streaming via wireless LAN connection. The built-in Wi-Fi is dual band, supporting both 5 GHz and 2.4 GHz frequency channels. By using the 5 GHz band, you can enjoy steady and uninterrupted streaming of large Hi-Res Audio files.



Built-in Bluetooth® Wireless Technology

1130 830 530

With the built-in Bluetooth® Wireless Technology (ver. 3.0), you can easily stream songs from compatible devices. The AV receivers feature Advanced Audio Distribution Profile (A2DP) and Audio/Video Remote Control Profile (AVRCP)*, with support for SBC, AAC, and aptX** codecs.



* Except VSX-530-K

** Except VSX-1130-K/VSX-830-K

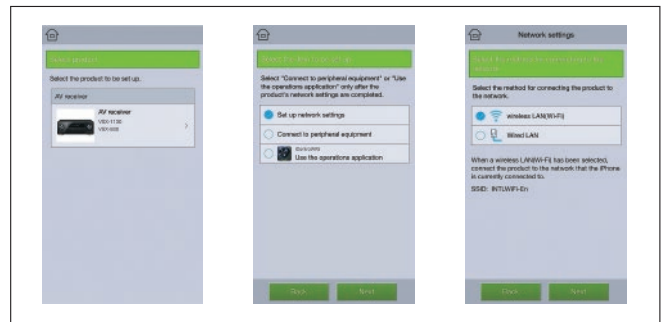
Ready for Start-up Navi App

1130 830

A special app is available to help you easily set up the AV receiver via Wi-Fi with your smartphone. After opening the package, scan the QR code on the Quick Start Guide with your iPod touch/iPhone/iPad or Android device connected to your home network, and download the Start-up Navi app. As you proceed with the wizard, the network set-up for your AV receiver will be completed smoothly. Then, in coordination with the AVNavigator, the app lets you do all the initial settings of the AV receiver.



Start-up Navi App



Built-in AVNavigator

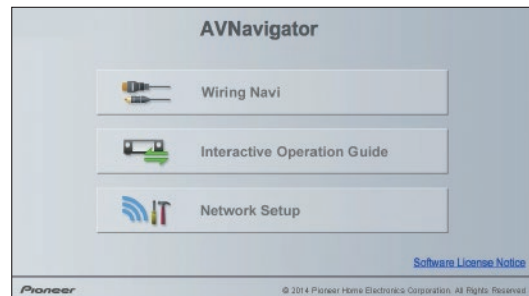
1130 830

Pioneer's AVNavigator is a user-friendly support feature for the AV receiver's wiring and operation, including the Wiring Navi and Interactive Operation Guide*. AVNavigator is now built-in, and you can easily set up the AV receiver straight out of the box on your PC/Mac/iPad/smartphone. The software will start up via Windows Explorer on a PC or Bonjour on a Mac. With an iOS or Android device, you can access the AVNavigator from the pre-installed Start-up Navi and iControlAV5 app.

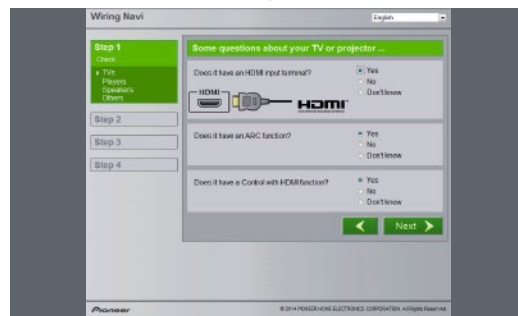


* For VSX-1130-K only
The AV receiver and the PC/Mac/iPad/smartphone need to be on the same home network. Control is also available via LAN cable connection with a PC/Mac.

AVNavigator Top Menu



Wiring Navi



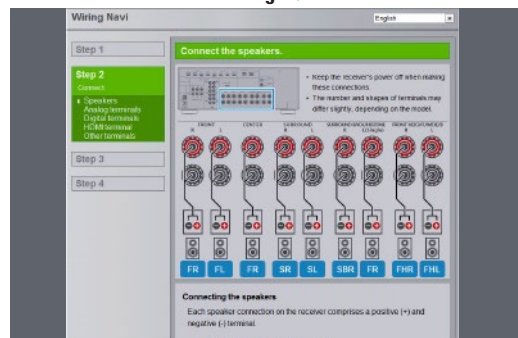
Wiring Navi 1130 830

Start the Wiring Navi on the AVNavigator. By answering questions about your equipment and terminals, the actual connection image will be displayed. Plug in your equipment and speakers accordingly, including the network connection with your device then transmit the setup information to the AV receiver from your PC/Mac/iPad/smartphone.

Interactive Operation Guide 1130

After setup, you can check how to use the AV receiver with the Interactive Operation Guide. This feature gives a quick tutorial on basic operations using illustrations and animations, allowing you to start right off without referring to the user manual. The Interactive Operation Guide can be browsed on your PC/Mac/iPad/smartphone, and you can send a command to the AV receiver. It also works the other way — key operation on the remote control or the main unit will display the corresponding manual page on your device.

Wiring Navi



Interactive Operation Guide



Ready for iControlAV5

1130 830

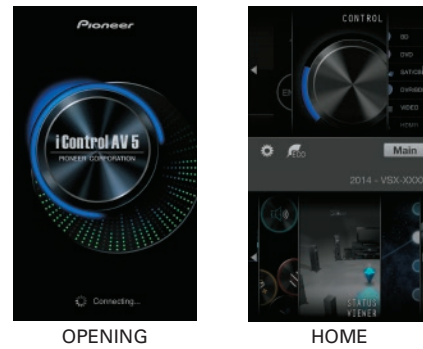
iControlAV5 is an iPod touch, iPhone and iPad application developed by Pioneer, freely downloadable from the App Store.

It is also compatible with Android, and available from Google Play. On a simple and intuitive interface, the application allows you to use your device as a remote for operating the AV receiver's functions such as VOLUME CONTROL, INPUT SELECT, LISTENING MODE, BALANCE, EMPHASIS CONTROL for woofer and center speakers, PUSH PLAYER, and ECO MANAGER. With the SOUND EXPLORER function, you can easily adjust various sound parameters in a fun and intuitive operation. You can also control the basic functions of Pioneer's Blu-ray Disc players.

The latest version comes with improved user interface and new features including the new STATUS VIEWER and CURSOR.

* AV receiver needs to be connected to a wired LAN in a wireless LAN network.

iControlAV5



OPENING

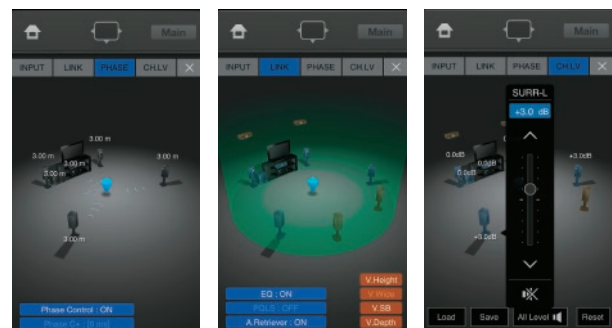
HOME

STATUS VIEWER

1130 830

The new STATUS VIEWER provides graphical display of input/output and status of the playing content, and the image of both real and virtual speakers. You can enjoy intuitive control for Input, Link, Phase, and Channel Level.

STATUS VIEWER



CURSOR

1130 830

For the currently used function, up/down/left/right operations can be done on the app, instead of using the remote control. The button display changes to correspond to the function on the AV receiver.

CURSOR



SOUND EXPLORER

1130 830

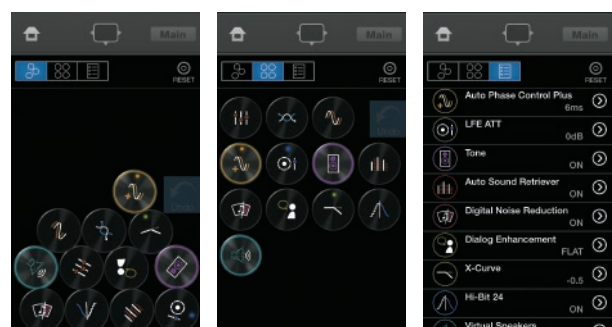
SOUND EXPLORER lets you easily adjust various sound parameters* with intuitive and pleasing operation. It comes in three operation modes. With Fixed Position mode, all icons are neatly positioned in rows. The screen on the playful Drop Icon mode displays continuously falling icons. All List mode shows the description and status for each setting, with a link to YouTube video clip explaining the feature.

Adjustable sound parameters include PQLS, EQ, Standing Wave, Phase Control, Auto Phase Control Plus, LFE ATT, Tone, Auto Sound Retriever, Digital Noise Reduction, Dialog Enhancement, X-Curve, Hi-bit24**, and Virtual Speakers.

* Adjustable sound parameters differ by model.

** VSX-1130-K only

SOUND EXPLORER



ECO MANAGER

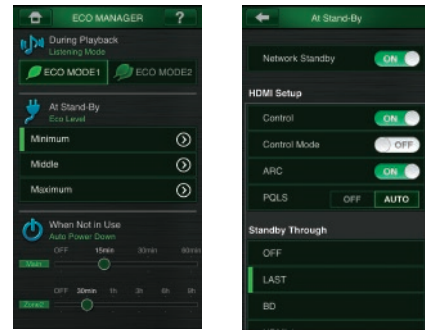
1130 830

The feature is a dedicated page for energy efficient settings (During Playback/At Stand-By/ When Not in Use) on your AV receiver. You can select ECO Mode 1 or 2 for playback settings.



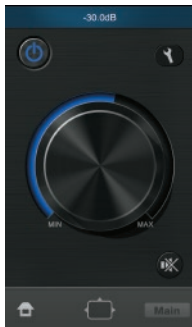
ECO Mode 1 features moderate energy saving operation while maintaining high-quality sound, ideal for CD music, 2ch audio files, and internet radio. The higher energy-saving ECO Mode 2 features moderate sound quality, suitable for content with dynamic sound such as movies (multi-ch/2ch) or live concerts. The ECO Mode can also be accessed from the front panel or the remote control.

ECO MANAGER for iPhone



CONTROL

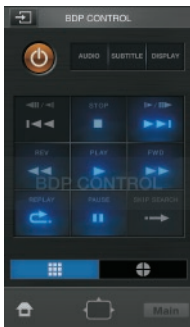
1130 830



You can turn the power on/off, adjust the volume, switch input/output, and change the listening mode settings.

BDP CONTROL

1130 830



You can operate the basic functions of a connected Pioneer Blu-ray Disc player.

EMPHASIS

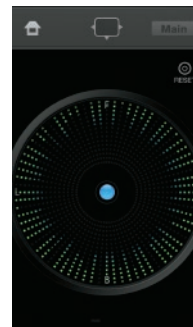
1130 830



For setting the output level of Dialogue and Subwoofer/Bass.

BALANCE

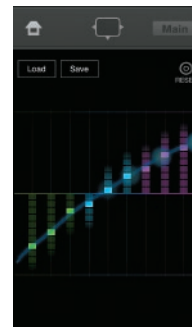
1130 830



You can adjust the multi-channel sweet spot for the listening position by moving the Balance Cursor (green ball).

FINGER EQ

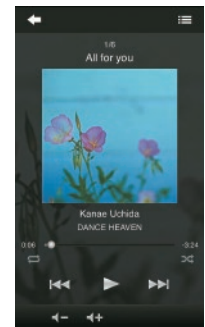
1130 830



Just stroke the screen with your finger to draw the EQ curve. You can change and save the EQ characteristics.

PUSH PLAYER

1130 830



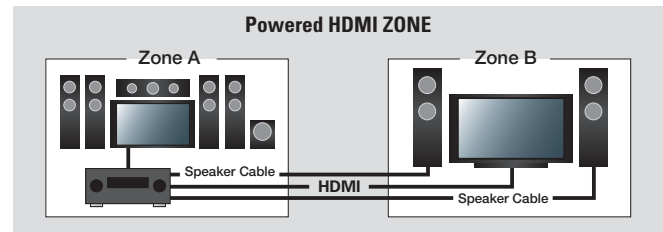
Music files stored on devices such as smartphones can be directly operated on the app, and streamed via Wi-Fi.

Powered HDMI ZONE Out (Powered HDZONE)

1130

The AV receiver is equipped with HDZONE HDMI output terminal, for streaming HD audio/video content to a separate room. If unused for HDZONE, the terminal can be used for MAIN ZONE OUT 2. The new powered feature* uses the built-in amplifier, so you can enjoy audio in HDZONE by just connecting speakers, with no need for a separate amplifier.

* Requires speaker system setting HDZONE



Standby Pass-Through without CEC

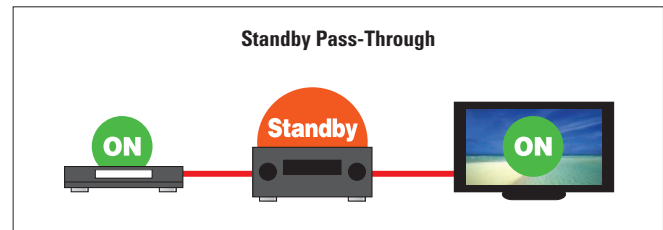
1130

830

530

With standby pass-through, the AV receiver can pass audio and video signals via HDMI even during standby. This feature is useful when you want to access HDMI-connected components without turning on the AV receiver. The input source can be switched on the remote control even during standby pass-through.

* Control with HDMI needs to be turned off



Auto Power Down

1130

830

530

The AV receiver will automatically turn off after being left uncontrolled for a certain time set by the user.

Power Save for HDMI Standby Through

1130

830

530

Power Save for HDMI Standby Through reduces energy consumption while the AV receiver is on standby.

Feature Comparison

	VSX-1130-K	VSX-830-K	VSX-530-K
Audio Technologies			
MCACC Auto Room Tuning	• (Pro)	• (Advanced)	
Phase Control	•	•	•
Auto Phase Control Plus	•	•	
Speaker Polarity Check	•	•	
Standing Wave Control	•	•	
Subwoofer EQ	•	•	
Independent Dual Subwoofer Output	•		
Full Band Phase Control	•		
Bass Management System for Dolby Atmos Enabled Speakers	•		
Advanced Sound Retriever	• (Multi-ch)	• (Multi-ch)	•
Auto Sound Retriever	•	•	
Auto Sound Retriever for ARC	•	•	
Sound Retriever AIR	•	•	
Sound Retriever Link	•	•	
Auto Level Control	• (Multi-ch)	• (Multi-ch)	•
Hi-bit24 Audio Processing	•		
SABRE™ Premier Audio DAC	•		
Video Technologies			
Video Scaler (1080p to 4K) with Super Resolution	•	•	
Ultra HD (4K/60p/4:4:4/24-bit) Pass Through with HDCP 2.2	•	•	•
Deep Color	•	•	•
"x.v.Color"	•	•	•
Audio Formats & Licenses			
Dolby Atmos	• (5.2.2ch)		
Dolby TrueHD	•	•	•
Dolby TrueHD Loudness Management	•	•	
DTS-HD Master Audio	•		
DTS HD		•	•
Hi-Res Audio Playback via USB/Network	•	•	
Multi-Channel Hi-Res Audio Playback via USB/Network	•		
Various Music File Playback via USB/Network/HDMI	•	•	
Variable File Play Action	•	•	
Gapless Playback	•	•	
Sophisticated Surround System			
7ch Speaker Configurations	•		
Virtual Speakers	•	•	
Advanced Surround Modes	•	•	•
Front Stage Surround Advance	•	•	•
Connectivity			
HDMI® (4K/60p, 3D, ARC)	•	•	•
Made for iPod and iPhone	•	•	
iPod Digital Transmission via Front USB	•	•	
Android™ Audio/Video Playback with MHL™	•	•	
Front USB Input	•	•	•
Network Features			
Apple AirPlay Certified	•	•	
DLNA Certified™ (1.5)	•	•	
HTC Connect™ Certified	•	•	
Compatible with Windows® 8.1	•	•	
Pandora® Internet Radio	•	•	
Spotify® Digital Music-Streaming Service Ready	•	•	
Internet Radio (vTuner)	•	•	
Built-in Dual Band Wi-Fi	• (5 GHz/2.4 GHz)	• (5 GHz/2.4 GHz)	
Built-in Bluetooth Wireless Technology	•	•	•
Advanced Control			
Ready for Start-up Navi App	•	•	
Built-in AVNavigator	•	•	
Ready for iControlAV5 App	•	•	
Powered HDMI ZONE Out (Powered HDZONE)	•		
Standby Pass-Through without CEC	•	•	•
Auto Power Down	•	•	•
Power Save for HDMI Standby Through	•	•	•



Product Sheet

VSX-1130-K/CUXESM

VSX-830-K/CUXESM

VSX-530-K/CUXEVSM



Amplification

- › Channels: 7
- › Amplification Type: Direct Energy
- › 165 W/ch (6 ohms, 1 kHz, THD 1.0 %, 1 ch Driven FTC)
- › 100 W/ch (8 ohms 20 Hz-20 kHz THD 0.08 % 2 ch Driven FTC)

Audio Features

- › Dolby Atmos®/Dolby® TrueHD/Dolby Digital Plus/Dolby Surround
- › DTS-HD Master Audio/DTS-ES/DTS Neo:6
- › DSD Direct Playback via Network/USB (2.8 MHz)
- › DSD Disc (SACD) Playback via HDMI (2.8 MHz/5.1 ch, 2 ch)
- › Digital Core Engine with Texas Instruments Aureus™ DSP x 2
- › Hi-bit24 Audio Processing
- › 192 kHz/24-bit SABRE™ Premier Audio DAC (ES9006S) for 7.2ch
- › HDMI Audio Return Channel (ARC)
- › MCACC Pro Room Calibration
 - Full Band Phase Control
 - Auto Phase Control Plus/Phase Control Plus
 - Standing Wave Control
 - 3D Time Axis Measurement
 - Polarity Check
 - Automatic Crossover Detection
 - Reverb Before and After Calibration Results (iControlAV5 on iPad)
 - Subwoofer EQ (4 Band)
 - Bass Management System
- › Sound Enhancements
 - Advanced Sound Retriever (Multi-ch)
 - Sound Retriever Link
 - Auto Sound Retriever/Auto Sound Retriever for ARC
 - Auto Level Control (Multi-ch)
 - Virtual Speakers (Wide/Height/Surround Back)
- › Advanced Surround Modes
 - Action, Drama, Advanced Game, Sports, Classical, Rock/Pop
 - Front Stage Surround
 - Sound Retriever Air, Phones Surround
 - ECO Mode 1, ECO Mode 2

Video Features

- › HDMI 7 in/2 out (1 for MAIN, 1 for MAIN/HDZONE)
- › 3D Ready (Blu-ray Disc®, Broadcast, and Games)
- › Deep Color (36-bit), "x.v. Color"
- › Ultra HD Pass-through with HDCP 2.2 (4K/60p/4:4:4/24-bit, 4K/24p/4:4:4/36-bit, 4K/60p/4:2:2/36-bit)

- › Video Scaler (1080p to 4K) with Super Resolution

Home Network Features

- › Apple AirPlay Certified
- › DLNA Certified™ (1.5)
- › HTC Connect™ Certified
- › Windows® 8.1 Compatible
- › Music File Playback/Seek*1 via Network/USB: AIFF, Apple Lossless, WAV, FLAC, MP3, WMA, AAC, DSD
 - 192 kHz/24-Bit Audio playback (AIFF, Apple Lossless, WAV, FLAC)
 - Multi-Channel (5.1ch, 5.0ch) Audio Playback (WAV*2, FLAC*3)
- › Gapless Playback for AIFF, Apple Lossless, WAV, FLAC, AAC, MP3, DSD
- › Pandora® Internet Radio*4
- › Spotify® Digital Music-Streaming Service Ready*5
- › Internet Radio with vTuner

Convenience Features

- › iPod Digital Transmission via Front USB Terminal
- › Android™ Audio/Video Playback with MHL™
- › Start-up Navi (Initial Setting App) Ready (iOS/Android)*6
- › AVNavigator (Wiring Navi/Interactive Operation Guide)
- › iControlAV5 Remote Control App Ready (iOS/Android)*6
- › HDMI ZONE Out (HDZONE)
- › Charges iPod/iPhone
- › Built-in Wi-Fi® (Dual Band 5 GHz/2.4 GHz)
- › Built-in *Bluetooth*® Wireless Technology (Version: 2.1 + EDR, Profile: A2DP/AVRCP, Codec: SBC/AAC)
- › BT Audio Auto Function
- › Firmware Update via Internet or USB
- › Graphical User Interface (GUI) with Album Artwork (HDMI only)
- › Auto Power Down for Each Zone
- › Power Save for HDMI Standby Through
- › AM/FM Tuner 63 Presets
- › Sleep Timer
- › Learning Remote Control (Luminous)

*1 Except DSD files

*2 Up to 192 kHz streams via USB, up to 96 kHz streams via wired LAN, up to 48 kHz via wireless LAN

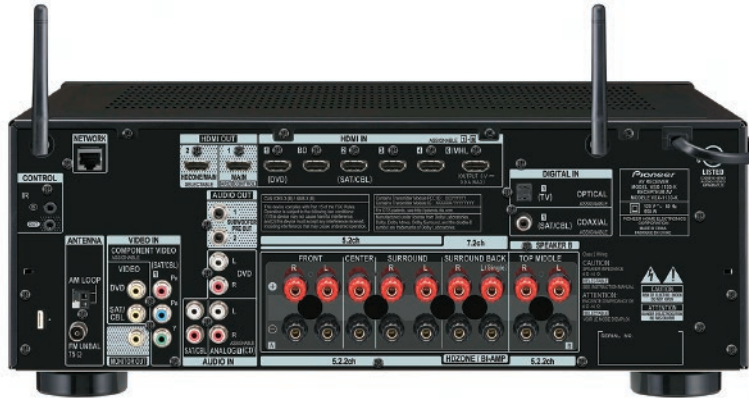
*3 Up to 96 kHz streams

*4 Service only available in the U.S.

*5 For service availability in your country, check www.spotify.com

*6 Available for free download from the App Store™/the Google Play™ Store

Connections



VSX-1130-K/CUXESM



Front Terminals

- › HDMI 1 in
- › USB 1 in for iPod/iPhone, USB drive
- › MCACC Setup MIC in
- › Phones 1 out

Rear Terminals

- › HDMI 6 in (5 assignable, 1 for HDMI/MHL)
- › HDMI 2 out (1 for MAIN, 1 for MAIN/HDZONE)
- › Ethernet 1 in
- › AV (Composite) 2 in
- › Audio 1 in (assignable)
- › Digital Coaxial 1 in (assignable)
- › Digital Optical 1 in (assignable)
- › Component Video 1 in (assignable)
- › Monitor Composite 1 out
- › Subwoofer Preout x 2

- › Speaker 9 ch out (FRONT, CENTER, SURROUND, SURROUND BACK, TMD/FW/ Speaker B)
- › IR 1 in/1 out

Specifications

- › Power Requirements: AC 120 V 60 Hz
- › Power Consumption/Standby: 550 W/0.1 W
- › Dimensions (W x H x D): 17-1/8 x 6-5/8 x 14-1/4 inches (435 x 168 x 362.5 mm)
- › Weight: 21 lbs. 9 oz. (9.8 kg)

Integrated Technologies



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AirPlay works with iPhone, iPad, and iPod touch with iOS 4.3.3 or later, Mac with OS X Mountain Lion, and Mac and PC with iTunes 10.2.2 or later.

"Made for iPod" and "Made for iPhone" mean that an electronic accessory has been designed to connect specifically to iPod or iPhone respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod or iPhone may affect wireless performance.

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For details on iPod compatibility, visit <http://pioneer.jp/homeav/support/ios/na/>



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Amplification

- › Channels: 5
- › Amplification Type: Direct Energy
- › 140 W/ch (6 ohms, 1 kHz, THD 1.0 %, 1 ch Driven FTC)
- › 80 W/ch (8 ohms 20 Hz-20 kHz THD 0.08 % 2 ch Driven FTC)

Audio Features

- › Dolby® TrueHD/Dolby Digital Plus/Dolby Pro Logic II
- › DTS-HD/DTS Neo:6
- › DSD Playback via Network/USB (2.8 MHz)
- › DSD Disc (SACD) Playback via HDMI (2.8 MHz/5.1 ch, 2 ch)
- › Digital Core Engine with Texas Instruments Aureus™ DSP
- › 192 kHz/24-bit DAC
- › HDMI Audio Return Channel (ARC)
- › Advanced MCACC Room Calibration
 - Phase Control
 - Auto Phase Control Plus/Phase Control Plus
 - Standing Wave Control
 - 3D Time Axis Measurement
 - Polarity Check
 - Automatic Crossover Detection
 - Reverb Before and After Calibration Results (iControlAV5 on iPad)
 - Subwoofer EQ (4 Band)
- › Sound Enhancements
 - Advanced Sound Retriever (Multi-ch)
 - Sound Retriever Link
 - Auto Sound Retriever/Auto Sound Retriever for ARC
 - Auto Level Control (Multi-ch)
 - Virtual Speakers (Wide/Height/Surround Back)
- › Advanced Surround Modes
 - Action, Drama, Advanced Game, Sports, Classical, Rock/Pop
 - Front Stage Surround
 - Sound Retriever Air, Phones Surround
 - ECO Mode 1, ECO Mode 2

Video Features

- › HDMI 6 in/1 out
- › 3D Ready (Blu-ray Disc®, Broadcast, and Games)
- › Deep Color (36-bit), "x.v. Color"
- › Ultra HD Pass-through with HDCP 2.2 (4K/60p/4:4:4/24-bit, 4K/24p/4:4:4/36-bit, 4K/60p/4:2:2/36-bit)
- › Video Scaler (1080p to 4K) with Super Resolution

Home Network Features

- › Apple AirPlay Certified
- › DLNA Certified™ (1.5)
- › HTC Connect™ Certified
- › Windows® 8.1 Compatible
- › Music File Playback/Seek*1 via Network/USB: AIFF, Apple Lossless, WAV, FLAC, MP3, WMA, AAC, DSD
 - 192 kHz/24-Bit Audio playback (AIFF, Apple Lossless, WAV, FLAC)
- › Gapless Playback for AIFF, Apple Lossless, WAV, FLAC, AAC, MP3, DSD
- › Pandora® Internet Radio*2
- › Spotify® Digital Music-Streaming Service Ready*3
- › Internet Radio with vTuner

Convenience Features

- › iPod Digital Transmission via Front USB Terminal
- › Android™ Audio/Video Playback with MHL™
- › Start-up Navi (Initial Setting App) Ready (iOS/Android)*4
- › AVNavigator (Wiring Navi)
- › iControlAV5 Remote Control App Ready (iOS/Android)*4
- › Charges iPod/iPhone
- › Built-in Wi-Fi® (Dual Band 5 GHz/2.4 GHz)
- › Built-in *Bluetooth*® Wireless Technology (Version: 2.1 + EDR, Profile: A2DP/AVRCP, Codec: SBC/AAC)
- › BT Audio Auto Function
- › Firmware Update via Internet or USB
- › Graphical User Interface (GUI) with Album Artwork (HDMI only)
- › Auto Power Down
- › Power Save for HDMI Standby Through
- › AM/FM Tuner 63 Presets
- › Sleep Timer
- › Learning Remote Control (Luminous)

*1 Except DSD files

*2 Service only available in the U.S.

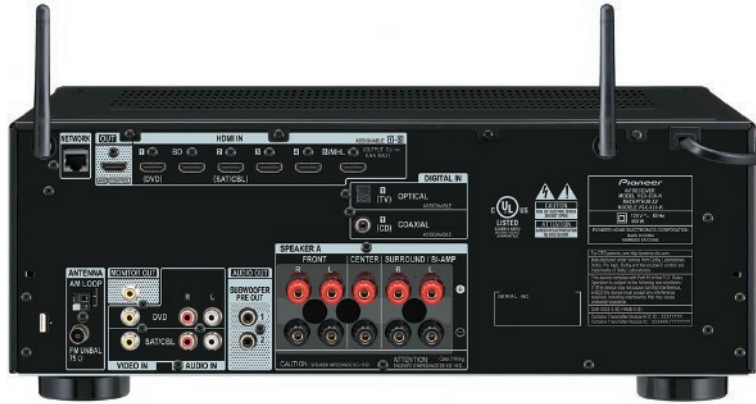
*3 For service availability in your country, check www.spotify.com

*4 Available for free download from the App Store™/the Google Play™ Store

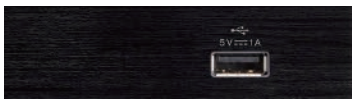
VSX-830-K

5.2-Channel AV Receiver with Ultra HD Pass-through with HDCP 2.2, High-Resolution Audio Playback, Subwoofer EQ, Dual Subwoofer Preout, Built-in *Bluetooth*® Wireless Technology and Wi-Fi®, and Spotify® Ready

Connections



VSX-830-K/CUXESM



Front Terminals

- › USB 1 in for iPod/iPhone, USB drive
- › MCACC Setup MIC in
- › Phones 1 out

Rear Terminals

- › HDMI 6 in (5 assignable, 1 for HDMI/MHL)
- › HDMI 1 out
- › Ethernet 1 in
- › AV (Composite) 2 in
- › Digital Coaxial 1 in (assignable)
- › Digital Optical 1 in (assignable)
- › Monitor Composite 1 out
- › Subwoofer Preout x 2
- › Speaker 5 ch out (FRONT, CENTER, SURROUND)

Specifications

- › Power Requirements: AC 120 V 60 Hz
- › Power Consumption/Standby: 450 W/0.1 W
- › Dimensions (W x H x D): 17-1/8 x 6-5/8 x 13-1/16 inches (435 x 168 x 331.5 mm)
- › Weight: 19 lbs. 2 oz. (8.7 kg)

Integrated Technologies



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For details on iPod compatibility, visit <http://pioneer.jp/homeav/support/ios/na/>



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Amplification

- › Channels: 5
- › Amplification Type: Direct Energy
- › 140 W/ch (6 ohms, 1 kHz, THD 1.0 %, 1 ch Driven FTC)
- › 80 W/ch (8 ohms 20 Hz-20 kHz THD 0.08 % 2 ch Driven FTC)

Audio Features

- › Dolby® TrueHD/Dolby Digital Plus/Dolby Pro Logic II
- › DTS-HD/DTS Neo:6
- › DSD Disc (SACD) Playback via HDMI (2.8 MHz)
- › Digital Core Engine with Texas Instruments Aureus™ DSP
- › 192 kHz/24-bit DAC
- › HDMI Audio Return Channel (ARC)
- › Phase Control
- › Pioneer Sound Enhancements
 - Advanced Sound Retriever (2ch)
 - Auto Level Control (2ch)
 - Midnight Listening Mode
 - Loudness
- › Advanced Surround Modes
 - Action, Drama, Advanced Game, Sports, Classical, Rock/Pop
 - Front Stage Surround, Extended Stereo
 - Phones Surround
 - ECO Mode 1, ECO Mode 2

Video Features

- › HDMI 4 in/1 out
- › 3D Ready (Blu-ray Disc®, Broadcast, and Games)
- › Deep Color (36-bit), "x.v. Color"
- › Ultra HD Pass-through with HDCP 2.2 (4K/60p/4:4:4)

Convenience Features

- › Music File Playback via USB (MP3, WMA, AAC)
- › Built-in *Bluetooth*® Wireless Technology (Version: 3.0, Profile: A2DP, Codec: SBC/AAC/aptX)
- › On Screen Display (HDMI only)
- › Auto Power Down
- › Power Save for HDMI Standby Through
- › AM/FM Tuner 30 Presets
- › Sleep Timer
- › Remote Control

Connections



VSX-530-K/CUXEVSM



Front Terminals

- › USB 1 in for USB drive
- › Phones 1 out

Rear Terminals

- › HDMI 4 in
- › HDMI 1 out
- › AV (Composite) 2 in
- › Audio 1 in (assignable)
- › Digital Coaxial 1 in (assignable)
- › Digital Optical 1 in (assignable)
- › Monitor Composite 1 out
- › Preout 0.1ch (SW)
- › Speaker 5 ch out (FRONT, CENTER, SURROUND)

Specifications

- › Power Requirements: AC 120 V, 60 Hz
- › Power Consumption: 415 W
- › Dimensions (W x H x D):
17-1/8 x 6-5/8 x 13-1/16 inches
(435 x 168 x 331.5 mm)
- › Weight: 18 lbs. 4 oz. (8.3 kg)

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