

VSX-LX302 Network AV Receiver Boosts Dolby Atmos® and DTS:X™ Audio Reproduction to the Top of the Class

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Pioneer announces a new VSX-LX302 network AV receiver featuring supremely clear and accurate Dolby Atmos and DTS:X playback in home theater environments tailored for optimal sound reproduction by Pioneer's MCACC^{*1} calibration technology. Network streaming platforms comprise Chromecast built-in^{*2}, DTS Play-Fi^{®*2}, and AirPlay, while streaming services including Spotify^{®*3}, TIDAL^{*3}, TuneIn^{*3}, and Deezer^{*3} are on board and ready to enjoy. These features operate over stable dual-band Wi-Fi^{®*4} along with FireConnect™^{*5} powered by Blackfire enabling wireless audio distribution to optional network speakers. Hi-Res Audio playback is optimized with 384 kHz/32-bit digital-to-analog conversion, and for movie lovers with compatible 4K televisions, there's Dolby Vision™, HDR10^{*6}, HDCP 2.2, and BT.2020^{*7} video pass-through via HDMI[®].

Smooth and Richly Detailed Sound

The VSX-LX302 delivers 170 W (6 ohms, 1 kHz, THD 1.0 %, 1 channel driven) through seven channels with effortless energy and enthusiasm. Superb control and smooth, clear articulation even at high volumes assures theater excitement without top-end harshness or distortion. Two subwoofer pre-outs are fitted to double the impact of soundtrack LFEs with dual subwoofers.

Dolby Atmos and DTS:X Playback

The latest spatially mixed audio formats, Dolby Atmos and DTS:X, are ready to play through a 5.2.2-channel speaker layout. This technology utilizes object-based data (as opposed to traditional channel-based data) to create a three-dimensional soundscape in the room. The codecs utilize height-based audio information in addition to conventional horizontal-based audio, freeing sound to move from speaker to speaker and all around the audience for an amazingly realistic entertainment experience.

4K Ultra HD and HDR Compatibility

VSX-LX302 supports 4K/60p/4:4:4/24-bit video signal transmission with HDCP 2.2 technology on six rear HDMI inputs and two HDMI outputs, ensuring compatibility with a huge variety of soon-to-be-released Ultra HD source devices and televisions. In addition, VSX-LX302 is ready for next generation HDR (High Dynamic Range), meaning HDR10 and Dolby Vision, together with the BT.2020 video standard. "Super Resolution" ultra-high-resolution 4K upscaling

technologies are incorporated to upscale “standard HD content to the quality of a 4K video signal.

MCACC Creates the Ultimate Surround Sound Field

MCACC (Multi-Channel Acoustic Calibration System), developed with the expertise of professional recording studios, creates an ideal listening environment in media rooms and entertainment spaces. With the custom setup microphone, the system automatically compensates for differences in speaker size, level, and distance, and equalizes response. A professionally EQ'd environment is created for faithful reproduction of the original master sound.

Phase Control

An innovative solution for phase lag between the subwoofer and front L+R speakers, Phase Control compensates for bass delay at the viewing position to improve sound synchronization. Consequently, it makes LFEs more dynamic, and achieves clearer reproduction of sound in the mid- and high-frequency bands.

Reflex Optimizer

With Dolby Atmos-enabled elevation speakers, high-directivity sound reflects off the ceiling while low-directivity sound reaches the ears directly. In effect, low- and high-directivity sound coming from the speaker arrives at the ears at fractionally different times (called a phase shift), discomforting the listener. Reflex Optimizer technology was developed specifically to resolve this phase lag issue. It optimizes the performance of Dolby Atmos-enabled speakers for clear sound imaging at the viewing position. Sound from Dolby Atmos-enabled speakers integrates seamlessly with that from the floor speakers for a clear, comfortable, and cohesive sound field.

Ready for Multi-room Audio

The VSX-LX302 incorporates FireConnect™ technology to mirror network audio and sources connected to the AV receiver's analog inputs—from streaming services to vinyl records—on FireConnect™-compatible wireless speakers⁸. Music selection, speaker grouping, and control are built into Pioneer Remote⁹ app.

Chromecast built-in Music Streaming Platform

The VSX-LX302 comes with Chromecast built-in. Stream your favorite music from your smartphone, tablet or laptop right to your speakers. Control playback anywhere in the house using Chromecast-enabled apps on your iPhone, iPad, Android™ phones, tablets, Chromebook™, and the Chrome™ browser on Mac, Windows®, and Linux® PCs. Explore

Chromecast-enabled apps at g.co/cast/audioapps.

Support for DTS Play-Fi

DTS Play-Fi facilitates wireless streaming of any audio content from mobile devices to DTS Play-Fi-compatible components, including the VSX-LX302 receiver, creating a multi-room music environment. Users can stream different sources to supported components and speaker systems at the same time using the DTS Play-Fi app.

Internet Radio and Online Music

A limitless flow of music, sports, talk, and news entertainment is ready to explore courtesy of onboard Internet radio and online music services including Spotify, TuneIn, TIDAL, and Deezer.

Hi-Res Audio Realism

All of the popular Hi-Res Audio formats are supported over the local network and USB. This includes 192 kHz/24-bit FLAC, WAV, AIFF, and ALAC along with DSD 2.8 MHz/5.6 MHz^{*10}. The AV receiver also plays Dolby[®] TrueHD up to 192 kHz/24-bit via USB input.

High Grade Audio DAC

The VSX-LX302 incorporates a high-grade 384 kHz/32-bit DAC (AK4458) produced by AKM. The device offers clear and precise audio reproduction with a unique digital filter that achieves extremely low distortion and excellent S/N performance.

Dual-band 5 GHz/2.4 GHz Wi-Fi

High-fidelity sound sources can be played wirelessly over a built-in Wi-Fi connection offering 5 GHz (11a/n) and 2.4 GHz (11b/g/n) bands. In busy households with many devices contributing to congestion on the 2.4 GHz band, select the 5 GHz channel for smooth and stable transmission of audio files.

Bluetooth[®] Wireless Technology

Bluetooth wireless technology is a convenient audio streaming solution for almost any content playing on mobiles, tablets, and laptops, from audiobooks and podcasts to music played from smartphone applications.

Intuitive Graphical User Interface with Easy Initial Setup

Pioneer's intuitive Graphical User Interface (GUI) over HDMI makes using this sophisticated AV receiver enjoyable. The top page displays System, Setup, MCACC, and Network/Bluetooth with

quick access to each menu. Simple graphical display detailing receiver functions improves everyday operability, while “Setup Guidance” makes initial network setup much faster and easier than with less refined products.

Other Features

Powered Zone 2

Zone 2 pre-/line out

Supports Pioneer Remote app

Supports HDMI-based control functions

*1 MCACC: Multi-Channel Acoustic Calibration System (automatic acoustic calibration system). MCACC is a proprietary acoustic compensation technology from Pioneer that can perform sound field adjustment at the same level as monitoring techniques employed in sound studios. *2 Supported via a future firmware update. Details on the firmware update will be posted on our website and other media at a later date. *3 Availability of services depends on region. Please confirm before purchase. *4 Requires a wireless LAN network environment compatible with Wi-Fi standards and a Wi-Fi-based connection. *5 Sharing audio from the AV receiver's external analog inputs depends on the model and is enabled with a future firmware update. Sampling rates of 44.1 kHz and 48 kHz are supported. FireConnect™ is a technology based on Blackfire provided by Blackfire Research Corp., USA. *6 HDR is a technology that expands the maximum brightness of video. HDR technology is used in the next-generation Blu-ray standard to expand the maximum brightness from 100 nits to 10,000 nits. *7 BT.2020 is a video format standard that covers a wide color space more than twice that of the BT.709 standard currently used in Blu-ray and other formats. *8 Speakers that support Multi-Room Audio are scheduled for release going forward. Further details will be provided progressively on our website. *9 Please check device and OS requirements at App Store or Google Play™. *10 Not supported over wireless LAN. Sound is reproduced by conversion to PCM.

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