9.2-ch Network AV Receiver

VSX-LX304(B/S)

Designed for optimum **IMAX® Enhanced***1 and Dolby Atmos®/DTS:X movie playback in a seamless 7.2.2ch/5.2.4ch surround sound calibrated by **Advanced MCACC**, along with support for next-generation video standards, the VSX-LX304 brings multi-dimensional excitement to your home entertainment. **Dolby Atmos Height Virtualizer***1 can provide virtual sound effects without using height or surround speakers. Enjoy multi-room audio streaming with SONOS system, FlareConnect™, Chromecast built-in, DTS Play-Fi®, and **Apple AirPlay 2**.

AMPLIFICATION

> Channels: 9
> Amplification Type: Direct Energy
> 185 W/ch (6 ohms, 1 kHz, THD 10 %, 1ch Driven)
> 170 W/ch (8 ohms,1 kHz, THD 1 %, 1ch Driven IEC)

AUDIO FEATURES

> IMAX Enhanced*1
> Dolby Atmos®, Dolby Surround Upmixer
> DTS:X®, DTS Neural:X® Upmixer
> Reflex Optimizer
> Dolby Atmos Height Virtualizer*1
> Dolby® TrueHD, Dolby Digital Plus
> DTS-HD Master Audio, DTS-HD High Resolution Audio, DTS 96/24, DTS-ES, DTS Express
> DSD Disc (SACD) Playback via HDMI (2.8 MHz/2 ch, 5.1 ch)
> Digital Quad-Core 32-bit DSP (Cirrus Logic) + Aureus™ floating-point DSP (TI)
> 384 kHz/32-bit D/A Conversion with AK4458 (AKM) & PCM5101A (TI)
> Audio Return Channel (ARC) on HDMI
> Advanced MCACC Auto Room Tuning
>   • Auto Phase Control Plus
>   • Subwoofer EQ
>   • Multi-point Standing Wave Control
> Advanced Sound Retriever (2ch)
> Advanced Surround Modes
>   • Classical, Unplugged, Entertainment Show, Drama, Advanced Game, Action, Rock/Pop, Sports, Extended Stereo, Extended Mono, Front Stage Surround Advance

VIDEO FEATURES

> Ultra HD Pass-through with HDCP 2.2 (4K/60p/4:4:4/24-bit, 4K/24p/4:4:4/36-bit, 4K/60p/4:2:0/36-bit)*2
> HDR10, HLG and BT.2020 Compliant Wide Colour Gamut Signal Pass-through

> Dolby Vision™ Compatible
> Ultra HD Upscaling (1080p to 4K)
> 3D Ready (Blu-ray Disc™, Broadcast, and Games)
> Deep Colour (36-bit), "x.v. Colour"

HOME NETWORK FEATURES

> FlareConnect™ for Multi-room Audio
> Chromecast built-in*3 and Works with the Google Assistant
> DTS Play-Fi with Pioneer Music Control App
> Apple AirPlay 2
> Works with SONOS
> Amazon Music, Spotify, TIDAL, and Deezer Hi-Fi Music-Streaming Services Ready*4
> Internet Radio with TuneIn
> Hi-Res Audio File Playback via USB/Network
>   • Up to 192 kHz/24-bit ALAC*5, AIFF, FLAC, WAV (RIFF) and 11.2 MHz DSD*6

CONVENIENCE FEATURES

> Personal Preset
> Dialog Enhancement
> Dual Band (5 GHz/2.4 GHz) 802.11ac Compliant Wi-Fi® Built-in
> *Bluetooth*® Wireless Technology (Version: 4.2 + LE, Profile: A2DP 1.2/AVRCP 1.3, Codec: SBC/AAC) Built-in
> Pioneer Remote App*7 Ready for Multi-room Entertainment Control and Network Streaming
> User-Friendly GUI with System Setup Menu
> On-Screen Information for Audio/Video Status
> Auto Power Off in HDMI Standby Through
> AM/FM Tuner 40 Presets
> Sleep Timer
> User-Friendly Simple Remote Control

FRONT TERMINALS

> HDMI 1 In
> USB 1 In for USB Drive
> MCACC Setup MIC In (Gold-Plated)
> Audio 1 In (Mini Stereo Jack, Gold-Plated)
> Phones 1 Out

REAR TERMINALS

> HDMI 6 In (4 Assignable)
> HDMI 2 Out (1 for MAIN, 1 for SUB)
> Ethernet 1 In
> USB 1 In for USB Drive
> Audio 4 In (Assignable)
> Phono (MM) 1 In

> Digital Coaxial 1 In (Assignable)
> Digital Optical 1 In (Assignable)
> Subwoofer 2 Pre Out
> ZONE B Line Out for Wireless Headphones
> ZONE 2 Pre/Line Out
> Speaker 9ch Out (FRONT, CENTER, SURROUND, HEIGHT 1/Bi-AMP/ZONE 2, SURROUND BACK/HEIGHT 2/ZONE 3)
> IR 1 In/1 Out
> 12 V Trigger 2 Out
> RS-232C
> FM/AM Antenna

SPECIFICATIONS

> Power Requirements: AC 220-240 V, 50/60 Hz
> Power Consumption/Standby: 760 W/0.15 W
> Dimensions (W x H x D): 435 x 173 x 370.5 mm
> Weight: 10.8 kg

*1 Available with future firmware update *2 Except AUX INPUT (Front) *3 Chromecast-enabled apps required *4 Service availability depends on country or region
*5 Up to 96 kHz supported via wireless LAN *6 Not guaranteed via wireless LAN *7 Available for free download from the App Store/The Google Play

REAR PANEL

VSX-LX304(B)/MMP

IMAX Enhanced*

The VSX-LX304 is IMAX Enhanced, certified to deliver the powerful sound just as intended by the filmmaker, and provide the immersive experience on your home theater.

* Function available with future firmware update

Dolby Atmos®/Dolby Surround Upmixing

The VSX-LX304 is compatible with 7.2.2ch/5.2.4ch configuration of the latest theater sound platform, Dolby Atmos®. You can reproduce object-oriented sound in smooth, curving movements, or the realistic three-dimensional movement overhead by the top speakers. Other audio codecs such as PCM and DSD can be upmixed using Dolby Surround for enjoying 3D surround sound.

Dolby Atmos 7.2.2ch Speaker System

DTS:X®/DTS Neural:X Upmixing

DTS:X is the next-generation audio codec from DTS that leverages object-based audio to enable new immersive and interactive audio experiences. Enjoy a seamless soundscape with 7.2.2ch/5.2.4ch surround system offering maximum excitement. Other audio codecs such as PCM and DSD can be upmixed using DTS Neural:X for enjoying 3D surround sound.

DTS:X 7.2.2ch Speaker System

Dolby Atmos Height Virtualization*

When playing any Dolby format, engaging the Dolby Atmos Height Virtualizer enables a more immersive listening experience, creating a virtual surround and height effect from traditional speaker layouts without employing additional surround or height speakers.

* Function available with future firmware update

Apple AirPlay 2

Apple AirPlay 2 lets you effortlessly stream music or podcasts to speakers throughout your house using any Apple device or by asking Siri, and it all stays in perfect sync.

Next Generation Video Standard Ready

The VSX-LX304 supports pass-through for HDR10, HLG (Hybrid Log-Gamma), and Dolby Vision signals. By connecting a compatible source device, you can enjoy these latest video standards on a compatible display. What's more, all HDMI terminals support 4K (60p/4:4:4/24-bit), Wide Colour Gamut (BT.2020), and HDCP 2.2, so you will have no problem when upgrading to new devices, and can also enjoy premium content such as 4K videos with digital copy protection.

HDR Dynamic Range Expansion Image

No HDR — With HDR

For illustration purpose only

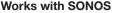## Advanced MCACC Auto Room Tuning featuring Auto Phase Control Plus

Advanced MCACC adjusts the sound according to the listening room and speakers, and also creates clearer sound by suppressing the standing waves that occur between walls or ceiling and floor. Measurement of up to nine positions can be saved for a wide listening area. Auto Phase Control Plus* makes real-time analysis of the phase difference, and automatically compensates the gap between the LFE and main signals, providing strong bass and clear high-frequency sound.

* Effectiveness depends on content

Works with SONOS

By connecting the VSX-LX304 to Sonos Connect, you can play any music or audio source on your Sonos app. You can group the VSX-LX304 with other Sonos devices on the network, or use it independently. The AV receiver will automatically turn on and switch input as soon as you play music on your Sonos app.

Powered Zone 2 with Dedicated DAC

With the powered feature, the VSX-LX304 can directly drive speakers in another room, without the need for a separate amplifier. What's more, the dedicated DAC for Zone 2 lets you listen to all digital audio sources.

Zone B Output for Wireless Headphones

The VSX-LX304 is equipped with Zone B audio output. The Zone 2 Pre output can also used as Zone B Line output to extend the sound of Zone A (Main Zone) to another location or to wireless headphones via a transmitter.

Chromecast built-in

The VSX-LX304 comes with Chromecast built-in, so you can use your mobile device to stream your favorite music, radio, or podcasts to your speaker. You can control the audio from anywhere in the house using Chromecast-enabled apps running on your personal device—iPhone, iPad, Android phone and tablet, Mac and Windows laptop, and Chromebook™. The VSX-LX304 also works with the Google Assistant, so you can tell it to turn up the volume, skip tracks, or stop the music using your Google Assistant enabled device, like Google Home. Discover Chromecast-enabled apps at google.com/cast/apps.