

# ELITE

PRESS KIT



## About ELITE

Pioneer has an obsession with accuracy that spans generations. Out of that obsession are born three key philosophies: direct energy design, ideal acoustic environment, and master sound tuning.

The Elite line started in 1986 in north america as a way to elevate pioneer “reference series” line dealers, and provide them with better programs and incentives.

## What's New in 2021

2021 brings an exciting new product set from Elite, including these key features:

- Dirac Live
- HDMI 2.1 & 8K
- Advanced Custom Integration Tools

## 2021 Feature Set

### Dirac Live

Dirac Live® is an advanced digital room correction technology that utilizes sophisticated analysis of the speakers and the room to correct unwanted colorations, yielding astonishing improvements in sound quality. With Dirac Live and compatible Elite receiver, the listener will experience, improved staging (localization of sound events), better clarity and intelligibility in music and vocals, A deeper and tighter bass free of resonances throughout the entire listening area.



### HDMI 2.1 & 8K

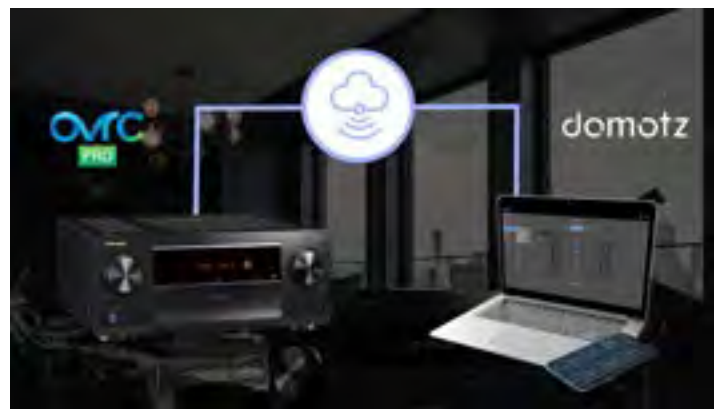
The new wave of 8K TVs is ushering in a new paradigm of much higher bandwidth, better audio, and faster gameplay. With a long history of innovative firsts in the AV world, we have embraced HDMI 2.1 and all it can offer in 2021. This includes higher refresh rates---doubling today's standard refresh rate of 60Hz, or 60fps maximum at 4K resolution, to 120Hz, or 120fps at 4K resolution, and Variable Refresh Rate (VRR), which reduces lag and frame tearing for more fluid and better detailed gameplay.



### Advanced CI Tools

Integrators have asked for compatibility with remote monitoring platforms to help manage, configure, and troubleshoot devices on the network, saving countless hours and expenses from truck rolls.

Elite AVR's work with the leading remote monitoring and management platforms, giving the integrator fast remote access to system status, ability to make adjustment on the fly, and easy secure access to web setup.



New Products in 2021



The Elite VSX-LX505 creates the soundscape of IMAX® Enhanced and Dolby Atmos®/DTS:X ideally calibrated with Advanced MCACC, and even provides similar sound effects with Dolby Atmos Height Virtualizer without additional surround speakers. Enjoy spectacles from next-gen video/gaming standards with support for [HDMI 2.1\\*1 with 8K, VRR, ALLM, QFT pass-through](#), or stream songs across the house with Multi Zone Music, SONOS system, Chromecast built-in, DTS Play-Fi®, and Apple AirPlay 2. Don't forget it also features Powered Zone 2/Zone 3 Audio, 11.2/5.6/2.8 MHz DSD playback with PCM conversion, 2 HDMI outputs and Roon Tested certification. Finally, it [works with Alexa](#) or [Hey Google](#) for voice control.

## Amplification

- > Channels: 9
- > Amplification Type: Direct Energy
- > 230 W/ch (6 ohms, 1 kHz, THD 10 %, 1ch Driven)
- > 120 W/ch (8 ohms, 20 Hz-20 kHz, THD 0.08 %, 2ch Driven FTC)

## Audio Features

- > IMAX Enhanced
- > Dolby Atmos®, Dolby Surround Upmixer supports DTS Formats
- > DTS:X®, DTS Neural:X® Upmixer supports Dolby Formats
- > Reflex Optimizer
- > Dolby Atmos Height Virtualizer
- > 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)
- > 192 kHz/24-bit D/A Conversion for Hi-Res Audio
- > Enhanced Audio Return Channel (eARC) on HDMI Out (Main)
- > Advanced MCACC Auto Room Tuning
  - Auto Phase Control Plus
  - Subwoofer EQ
  - Multi-point Standing Wave Control
- > [Dirac Live® Room Correction](#)
- > Advanced Sound Retriever (2ch)
- > Advanced Surround Modes
  - Classical, Unplugged, Entertainment Show, Drama, Advanced Game, Action, Rock/Pop, Sports, Extended Stereo, Mono Music, Front Stage Surround Advance

## Video Features

- > [Support HDMI 2.1\\*1 with 8K, VRR \(Variable Refresh Rate\), ALLM \(Auto Low Latency Mode\), QFT \(Quick Frame transport\), DSC \(Display Stream Compression\), and QMS \(Quick Media Switching\) pass-through](#)

- > Supports HDR10+, HDR10, and HLG; 8K/60p (4:2:0/10-bit), 8K/30p (4:4:4/10-bit, 4:2:2/12-bit), 4K/120p (4:4:4/10-bit, 4:2:2/12-bit), 4K60p (4:4:4/12-bit) and BT.2020 color; DeepColor™ (36-bit), "x.v.Color", LipSync, and HDCP 2.3
- > Dolby Vision Compatible
- > Ultra HD Upscaling (4K to 8K, 1080p to 8K/4K)

## Home Network Features

- > Works with Alexa supporting [multi-room music\\*2](#)
- > Works with Hey Google and Chromecast built-in
- > DTS Play-Fi with Pioneer Music Control App\*3 supporting Hi-Res Audio Playback
- > Apple AirPlay 2 with Siri Voice Control
- > Works with SONOS supporting multiple Sonos Connect control and Volume Pass Through mode
- > [Amazon Music HD\\*4](#), Pandora®, Spotify, TIDAL, and Deezer Hi-Fi Music-Streaming Services Ready\*5
- > Internet Radio with TuneIn
- > Hi-Res Audio File Playback via USB/Network
- > Up to 192 kHz/24-bit ALAC\*6, AIFF, FLAC, WAV (RIFF) and 11.2 MHz DSD\*7

## Convenience Features

- > Personal Preset
- > Dialog Enhancement
- > Dual Band (5 GHz/2.4 GHz) Wi-Fi® Built-in
- > [Bluetooth® Wireless Technology Transmitter/Receiver \(Version: 4.2, Profile: A2DP 1.2/AVRCP 1.3, Codec: SBC/aptX/aptX HD \(TX\), SBC/AAC\(RX\)\) Built-in](#)
- > Pioneer Remote App\*3 Ready for Multi-room Entertainment Control and Network Streaming
- > User-Friendly GUI with System Setup Menu
- > On-Screen Information for Audio, Video and Network
- > Web Setup
- > 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/Dirac Live Setup MIC In
- > Phones 1 Out (Gold-Plated)

## Rear Terminals

- > HDMI 6 In (4 Assignable)
- > HDMI 2 Out (1 for MAIN, 1 for SUB/ZONE 2)
- > Ethernet 1 In
- > USB 1 In for USB Drive
- > AV (Component) 1 In (Assignable)
- > AV (Composite) 2 In (Assignable)

- > Audio 1 In (Assignable)
- > Phono (MM) 1 In
- > Digital Coaxial 1 In (Assignable)
- > Digital Optical 1 In (Assignable)
- > FRONT, CENTER, SURROUND, SURROUND BACK, HEIGHT 1, HEIGHT 2, SUBWOOFER x 2 Pre Out
- > ZONE 2 Pre/Line Out/ZONE B Line Out
- > ZONE 3/HEIGHT 2 Pre/Line Out
- > Speaker 11ch Out (FRONT, CENTER, SURROUND, HEIGHT 1/Bi-AMP, SURROUND BACK/ZONE 3/HEIGHT 2, ZONE 2)
- > IR 1 In/1 Out
- > 12 V Trigger 2 Out

- > RS-232C
- > FM/AM Antenna

## Specifications

- > Power Requirements: AC 120 V, 60 Hz
- > Power Consumption/Standby: 850 W/0.1 W
- > Dimensions (W x H x D): 17-1/8 x 7-5/16 x 15-3/16 inches (435 x 185 x 386 mm)
- > Weight: 28.7 lbs. (13 kg)
- > Carton Dimensions: 21-5/16 x 12-3/16 x 19-3/16 inches (541 x 310 x 487 mm)
- > Carton Included Weight: 35.3 lbs. (16.0 kg)

\*1 HDMI IN 1-6, HDMI OUT MAIN and SUB/ZONE 2 in sub output mode. \*2 Alexa multi-room music may require a firmware update. \*3 Available for free download from the App Store/The Google Play Store.

\*4 Amazon Music HD is supported via DTS Play-Fi. \*5 Service availability depends on country or region. \*6 Up to 96 kHz supported via wireless LAN. \*7 Converted to PCM. Not guaranteed via wireless LAN.



VSX-LX505(B) UPC: 889951003441

## HDMI 2.1 for a powerful viewing and gaming experience

The VSX-LX505 ensures its HDMI terminals\*<sup>1</sup> support 8K/60p (4:4:4/12-bit\*<sup>2</sup>, 4:2:0/10-bit\*<sup>3</sup>), 8K/30p (4:4:4/12-bit\*<sup>2</sup>, 4:4:4/10-bit\*<sup>3</sup>, 4:2:2/12-bit\*<sup>3</sup>, 4:2:0/12-bit), 4K/120p (4:4:4/12-bit\*<sup>2</sup>, 4:4:4/10-bit\*<sup>3</sup>, 4:2:2/12-bit\*<sup>3</sup>, 4:2:0/12-bit) video passthrough to compatible displays, as well as HDCP 2.3\*<sup>4</sup> so you will have no problem when upgrading to new devices. HDMI 2.1 also supports VRR (Variable Refresh Rate) to eliminate lag, stutter and frame-tearing to deliver a fluid gaming experience. Various enhancements such as ALLM (Auto Low Latency Mode) and QFT (Quick Frame Transport) help to optimize latency and further limit lag to ensure you'll always be on top of your game.

\*<sup>1</sup> HDMI 2.1 specification, HDR10+, and passthrough capabilities described are supported on HDMI IN 1-6, HDMI OUT MAIN and SUB/ZONE 2 in sub mode output. \*<sup>2</sup> DSC signals only. \*<sup>3</sup> DSC signals only when input via HDMI IN 4-6. \*<sup>4</sup> All HDMI terminals support HDCP 2.3.



## IMAX Enhanced

The VSX-LX505 is IMAX Enhanced, certified to deliver the dynamic and heart-pounding sound presented by DTS just as intended by the filmmaker, and provide an immersive experience on your home theater.



## Dolby Atmos®/Dolby Surround Upmixing

By adding an external amplifier, the 9.2ch AV receiver can be expanded to decode 11ch to drive the 7.2.4ch configuration of 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.



## 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. By adding an external amplifier, the 9.2ch AV receiver can be expanded to decode 11ch for driving a 7.2.4ch surround system. Experience an immersive soundscape with incredibly rich and life-like audio. Other audio codecs such as PCM and DSD can be upmixed using DTS Neural:X for enjoying 3D surround sound.



## 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.

## 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.



## Integrated Technologies



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All other trademarks and registered trademarks are the property of their respective holders.

## 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 bringing the VSX-LX505 into the Sonos eco-system with Connect or Port, you can play any music or audio source on your Sonos app. With "Volume Pass Through" mode selected at the Sonos App settings, you'll be able to control the volume of the unit by Sonos app or by itself. Enjoy high-quality playback from the AV receiver by Sonos app, just as you would with your favorite Sonos system.

\*Connection of maximum 3 Sonos devices is supported.



## Powered Zone 2/Zone 3

With the powered feature, the VSX-LX505 can directly drive speakers in other rooms, 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-LX505 is equipped with Zone B audio output terminals for expanding the Main Zone sound. You can listen to the sound playing in the living room via wireless headphones.



## Voice Control

The VSX-LX505 works with Hey Google, so you can control playback of various music services supported by Chromecast by asking a Google Assistant enabled device to play, stop, skip, or take the volume up or down. This receiver also works with Alexa, so you can also use voice commands to control supported music services in multiple rooms\* via Alexa built-in device. Thanks to both voice controls, you can easily operate and enjoy music services or Internet radio with your voice, without using a remote control or smartphone app.

\*Alexa multi-room music may require a firmware update.



## High Quality Audio transmit by Bluetooth® wireless technology

The VSX-LX505 features built-in Bluetooth® receiver and transmitter. Thus not only can you listen to the sound transmitted from your smartphone or tablet with the AV receiver, but you can also listen to the sound input to the AV receiver from Bluetooth® headphones. Supporting aptX and aptX HD codecs for audio transmission, you can enjoy high-quality sound with low latency with compatible headphones.







Designed for optimum IMAX® Enhanced 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/gaming standards including [HDMI 2.1\\*\\* with 8K, VRR, ALLM, QFT pass-through](#), the VSX-LX305 brings multi-dimensional excitement to your home entertainment. Dolby Atmos Height Virtualizer provides virtual sound effects without using height or surround speakers. And it's Roon Tested so music streaming from AV equipment is super easy. Enjoy multi-room audio streaming with Sonos system, Chromecast built-in, DTS Play-Fi®, and Apple AirPlay 2. Finally, it [works with Alexa](#) or [Hey Google](#) for voice control.

## Amplification

- > Channels: 9
- > Amplification Type: Direct Energy
- > 225 W/ch (6 ohms, 1 kHz, THD 10 %, 1ch Driven)
- > 100 W/ch (8 ohms, 20 Hz-20 kHz, THD 0.08 %, 2ch Driven FTC)

## Audio Features

- > IMAX Enhanced
- > Dolby Atmos®, Dolby Surround Upmixer supports DTS Formats
- > DTS:X®, DTS Neural:X® Upmixer supports Dolby Formats
- > Reflex Optimizer
- > Dolby Atmos Height Virtualizer
- > 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)
- > 192 kHz/24-bit D/A Conversion for Hi-Res Audio
- > Enhanced Audio Return Channel (eARC) on HDMI Out (Main)
- > Advanced MCACC Auto Room Tuning
  - Auto Phase Control Plus
  - Subwoofer EQ
  - Multi-point Standing Wave Control
- > [Dirac Live® Room Correction](#)
- > Advanced Sound Retriever (2ch)
- > Advanced Surround Modes
  - Classical, Unplugged, Entertainment Show, Drama, Advanced Game, Action, Rock/Pop, Sports, Extended Stereo, Mono Music, Front Stage Surround Advance

## Video Features

- > [Support HDMI 2.1\\*\\* with 8K, VRR \(Variable Refresh Rate\), ALLM \(Auto Low Latency Mode\), QFT \(Quick Frame transport\), DSC \(Display Stream Compression\), and QMS \(Quick Media Switching\) pass-through](#)

- > Supports HDR10+, HDR10, and HLG; 8K/60p (4:2:0/10-bit), 8K/30p (4:4:4/10-bit, 4:2:2/12-bit), 4K/120p (4:4:4/10-bit, 4:2:2/12-bit), 4K60p (4:4:4/12-bit) and BT.2020 color; DeepColor™ (36-bit), "x.v.Color", LipSync, and HDCP 2.3
- > Dolby Vision Compatible
- > Ultra HD Upscaling (4K to 8K, 1080p to 8K/4K)

## Home Network Features

- > Works with Alexa supporting [multi-room music\\*\\*](#)
- > Works with Hey Google and Chromecast built-in
- > DTS Play-Fi with Pioneer Music Control App
- > Apple AirPlay 2 with Siri Voice Control
- > Works with SONOS supporting multiple Sonos Connect control and Volume Pass Through mode
- > [Amazon Music HD\\*\\*](#), Pandora®, Spotify, TIDAL, and Deezer Hi-Fi Music-Streaming Services Ready\*\*
- > Internet Radio with TuneIn
- > Hi-Res Audio File Playback via USB/Network
- > Up to 192 kHz/24-bit ALAC\*, AIFF, FLAC, WAV (RIFF) and 11.2 MHz DSD\*

## Convenience Features

- > Personal Preset
- > Dialog Enhancement
- > Dual Band (5 GHz/2.4 GHz) Wi-Fi® Built-in
- > [Bluetooth® Wireless Technology Transmitter/Receiver \(Version: 4.2, Profile: A2DP 1.2/AVRCP 1.3, Codec: SBC/aptX/aptX HD \(TX\), SBC/AAC\(RX\)\) Built-in](#)
- > Pioneer Remote App\*\* Ready for Multi-room Entertainment Control and Network Streaming
- > User-Friendly GUI with System Setup Menu
- > On-Screen Information for Audio, Video and Network
- > Web Setup
- > 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/Dirac Live Web Setup MIC In (Gold-Plated)
- > Audio 1 In (Mini Stereo Jack, Gold-Plated)
- > Phones 1 Out (Gold-Plated)

## Rear Terminals

- > HDMI 6 In (4 Assignable)
- > HDMI 2 Out (1 for MAIN, 1 for SUB/ZONE 2)
- > 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 2 Pre/Line Out/ZONE B 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 120 V, 60 Hz
- > Power Consumption/Standby: 750 W/0.1 W
- > Dimensions (W x H x D): 17-1/8 x 6-13/16 x 14-9/16 inches (435 x 173 x 370.5 mm)
- > Weight: 22.9 lbs. (10.4 kg)
- > Carton Dimensions: 21-1/8 x 10-7/16 x 18-1/16 inches (536 x 265 x 458 mm)
- > Carton Included Weight: 29.8 lbs. (13.5 kg)



VSX-LX305(B) UPC: 889951003434

## HDMI 2.1 for a powerful viewing and gaming experience

The VSX-LX305 ensures its HDMI terminals<sup>\*1</sup> support 8K/60p (4:4:4/12-bit<sup>2</sup>, 4:2:0/10-bit<sup>3</sup>), 8K/30p (4:4:4/12-bit<sup>2</sup>, 4:4:4/10-bit<sup>3</sup>, 4:2:2/12-bit<sup>3</sup>, 4:2:0/12-bit), 4K/120p (4:4:4/12-bit<sup>2</sup>, 4:4:4/10-bit<sup>3</sup>, 4:2:2/12-bit<sup>3</sup>, 4:2:0/12-bit) video passthrough to compatible displays, as well as HDCP 2.3<sup>4</sup> so you will have no problem when upgrading to new devices. HDMI 2.1 also supports VRR (Variable Refresh Rate) to eliminate lag, stutter and frame-tearing to deliver a fluid gaming experience. Various enhancements such as ALLM (Auto Low Latency Mode) and QFT (Quick Frame Transport) help to optimize latency and further limit lag to ensure you'll always be on top of your game.

<sup>\*1</sup> HDMI 2.1 specification, HDR10+, and passthrough capabilities described are supported on HDMI IN 1-6, HDMI OUT MAIN and SUB/ZONE 2 in sub mode output. <sup>\*2</sup> DSC signals only. <sup>\*3</sup> DSC signals only when input via HDMI IN 4-6. <sup>\*4</sup> All HDMI terminals support HDCP 2.3.



COMPATIBLE WITH

**Dolby Vision**

## IMAX Enhanced

The VSX-LX305 is IMAX Enhanced, certified to deliver the dynamic and heart-pounding sound presented by DTS just as intended by the filmmaker, and provide an immersive experience on your home theater.

**IMAX  
ENHANCED**

## Dolby Atmos®/Dolby Surround Upmixing

The VSX-LX305 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.

## 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.



## 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 bringing the VSX-LX305 into the Sonos eco-system with Connect or Port, you can play any music or audio source on your Sonos app. With "Volume Pass Through" mode selected at the Sonos App settings, you'll be able to control the volume of the unit by Sonos app or by itself. Enjoy high-quality playback from the AV receiver by Sonos app, just as you would with your favorite Sonos system.

\*Connection of maximum 3 Sonos devices is supported.



## Powered Zone 2 with Dedicated DAC

With the powered feature, the VSX-LX305 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-LX305 is equipped with Zone B audio output terminals for expanding the Main Zone sound. You can listen to the sound playing in the living room via wireless headphones.



## Voice Control

The VSX-LX305 works with Hey Google, so you can control playback of various music services supported by Chromecast by asking a Google Assistant enabled device to play, stop, skip, or take the volume up or down. This receiver also works with Alexa, so you can also use voice commands to control supported music services in multiple rooms\* via Alexa built-in device. Thanks to both voice controls, you can easily operate and enjoy music services or Internet radio with your voice, without using a remote control or smartphone app.

\*Alexa multi-room music may require a firmware update.



## High Quality Audio Transmission by Bluetooth® Wireless technology

The VSX-LX305 features built-in Bluetooth® receiver and transmitter. Thus not only can you listen to the sound transmitted from your smartphone or tablet with the AV receiver, but you can also listen to the sound input to the AV receiver from Bluetooth® headphones. Supporting aptX and aptX HD codecs for audio transmission, you can enjoy high-quality sound with low latency with compatible headphones.



Qualcomm aptX HD

## Integrated Technologies



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Indulge yourself in 5.2.2ch surround sound created by Dolby Atmos® or DTS:X, and even without height or surround speakers, you can still experience similar effects by Dolby Atmos Height Virtualizer and DTS Virtual:X. Enjoy superior images with Ultra HD, HDR10, HLG, and Dolby Vision™ pass through. Plus, the VSX-LX105 supports [HDMI 2.1\\*1](#) for 8K, VRR, ALLM, and QFT pass-through for next-generation video and gaming. You can also stream songs from various sources via Music Server, *Bluetooth*®, DTS Play-Fi, Sonos system, and Apple AirPlay 2. It is Roon Tested, making music streaming easy from AV equipment. Other highlights include Powered Zone 2 feature with a dedicated DAC, Personal Preset buttons, 2 HDMI outputs, and it [works with Alexa/Hey Google](#) for voice control.

## Amplification

- > Channels: 7
- > Amplification Type: Direct Energy
- > 210 W/ch (6 ohms, 1 kHz, THD 10 %, 1ch Driven)
- > 100 W/ch (8 ohms, 20 Hz-20 kHz, THD 0.08 %, 2ch Driven FTC)

## Audio Features

- > Dolby Atmos®, Dolby Surround Upmixer supports DTS Formats
- > DTS:X®, DTS Neural:X® Upmixer supports Dolby Formats
- > Reflex Optimizer
- > Dolby Atmos Height Virtualizer
- > DTS Virtual:X
- > 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/2ch, 5.1ch)
- > Digital Quad-Core 32-bit DSP (Cirrus Logic)
- > 192 kHz/24-bit D/A Conversion for Hi-Res Audio
- > Enhanced Audio Return Channel (eARC) on HDMI OUT (MAIN)
- > MCACC Auto Room Tuning
  - Phase Control
  - Subwoofer EQ
- > Advanced Sound Retriever (2ch)
- > Advanced Surround Modes
  - Classical, Unplugged, Entertainment Show, Drama, Advanced Game, Action, Rock/Pop, Sports, Extended Stereo, Mono Music, Front Stage Surround Advance

## Video Features

- > [Support HDMI 2.1 \(HDMI IN 1-3\) with 8K, VRR \(Variable Refresh Rate\), ALLM \(Auto Low Latency Mode\), QFT \(Quick Frame transport\), DSC \(Display Stream Compression\), and QMS \(Quick Media Switching\) pass-through](#)

- > Supports HDR10+ and HLG; 8K/60p (4:2:0/10-bit), 8K/30p (4:4:4/10-bit, 4:2:2/12-bit), 4K/120p (4:4:4/10-bit, 4:2:2/12-bit), 4K60p (4:4:4/12-bit) and BT.2020 color; DeepColor™ (36-bit), "x.v.Color", LipSync, and HDCP 2.3
- > Dolby Vision Compatible
- > Ultra HD Upscaling (4K to 8K, 1080p to 8K/4K)

## Home Network Features

- > Works with Alexa supporting [multi-room music](#)<sup>2</sup>
- > Works with Hey Google and Chromecast built-in
- > DTS Play-Fi with Pioneer Music Control App<sup>3</sup>
- > Apple AirPlay 2 with Siri Voice Control
- > Works with SONOS supporting multiple Sonos Connect control and Volume Pass Through mode
- > [Amazon Music HD](#)<sup>4</sup>, Pandora®, Spotify, TIDAL, and Deezer Hi-Fi Music-Streaming Services Ready<sup>5</sup>
- > Internet Radio with TuneIn
- > Hi-Res Audio File Playback via USB/Network
- > Up to 192 kHz/24-bit ALAC®, AIFF, FLAC, WAV (RIFF) and 5.6 MHz DSD<sup>7</sup>

## Convenience Features

- > Personal Preset
- > Dialog Enhancement
- > Dual Band (5 GHz/2.4 GHz) Wi-Fi® Built-in
- > *Bluetooth*® Wireless Technology (Version: 4.2, Profile: A2DP 1.2/AVRCP 1.3, Codec: SBC/aptX/aptX HD (TX), SBC/AAC(RX)) Built-in
- > Pioneer Remote App<sup>3</sup> Ready for Multi-room Entertainment Control and Network Streaming
- > User-Friendly GUI with System Setup Menu
- > On-Screen Information for Audio, Video and Network
- > Web Setup
- > Auto Power Off in HDMI Standby Through
- > AM/FM Tuner 40 Presets
- > Sleep Timer
- > User-Friendly Simple Remote Control

## Front Terminals

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

## Rear Terminals

- > HDMI 6 In (4 Assignable)
- > HDMI 2 Out (1 for MAIN, 1 for SUB/ZONE 2)
- > 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 2 Pre/Line Out/ZONE B Line Out](#)
- > Speaker 9ch Out (FRONT, CENTER, SURROUND/HEIGHT, HEIGHT/SURROUND BACK/Bi-AMP, ZONE 2)
- > IR 1 In
- > 12 V Trigger 1 Out
- > RS-232C
- > FM/AM Antenna

## Specifications

- > Power Requirements: AC 120 V, 60 Hz
- > Power Consumption/Standby: 635 W/0.1 W
- > Dimensions (W x H x D): 17-1/8 x 6-13/16 x 14-9/16 inches (435 x 173 x 370.5 mm)
- > Weight: 21.6 lbs. (9.8 kg)
- > Carton Dimensions: 21-1/8 x 10-7/16 x 18-1/16 inches (536 x 265 x 458 mm)
- > Carton Included Weight: 27.6 lbs. (12.5 kg)

\*1 HDMI IN 1-3, HDMI OUT MAIN and SUB/ZONE 2 in sub output mode. \*2 Alexa multi-room music may require a firmware update. \*3 Available for free download from the App Store/The Google Play Store.

\*4 Amazon Music HD is supported via DTS Play-Fi. \*5 Service availability depends on country or region. \*6 Up to 96 kHz supported via wireless LAN. \*7 Converted to PCM. Not guaranteed via wireless LAN.



VSX-LX105(B) UPC: 889951003519

## HDMI 2.1 for a powerful viewing and gaming experience

The VSX-LX105 ensures its HDMI terminals<sup>\*1</sup> support 8K/60p (4:4:4/12-bit<sup>2</sup>, 4:2:0/10-bit), 8K/30p (4:4:4/12-bit<sup>2</sup>, 4:4:4/10-bit, 4:2:2/12-bit), 4K/120p (4:4:4/12-bit<sup>2</sup>, 4:4:4/10-bit, 4:2:2/12-bit) video passthrough to compatible displays, as well as HDCP 2.3 so you will have no problem when upgrading to new devices. HDMI 2.1 also supports VRR (Variable Refresh Rate) to eliminate lag, stutter and frame-tearing to deliver a fluid gaming experience. Various enhancements such as ALLM (Auto Low Latency Mode) and QFT (Quick Frame Transport) help to optimize latency and further limit lag to ensure you'll always be on top of your game.

<sup>\*1</sup>HDMI 2.1 specification, HDR10+, and passthrough capabilities described are supported on HDMI IN 1-3, HDMI OUT MAIN and SUB/ZONE 2 in sub mode output. <sup>\*2</sup>DSC signals only.



COMPATIBLE WITH



## Dolby Atmos®/Dolby Surround Upmixing

The VSX-LX105 is compatible with 5.2.2ch 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 5.2.2ch 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. Since DTS:X can automatically adapt the audio to the existing channels and speaker system, no specific speaker layout is required. Experience an immersive soundscape with incredibly rich and life-like audio. Other audio codecs such as PCM and DSD can be upmixed using DTS Neural:X for enjoying 3D surround sound.



DTS:X 5.2.2ch 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.

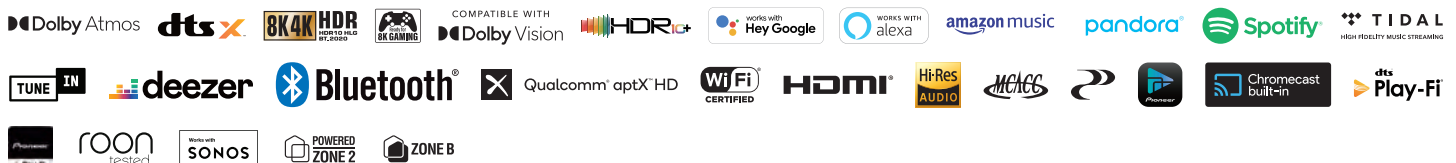
## DTS Virtual:X

With DTS Virtual:X, you can enjoy a three-dimensional immersive sound similar to DTS:X, without the need of height or rear speakers. The technology supports 2 to 7.1.4-channel input source, for delivery on 2 to 5.1 or even 7.1-channel speaker layout. DTS Virtual:X works with all DTS codecs, including DTS:X.

## Personal Preset

Just press the Personal Preset button on the front panel for three seconds, and your current settings such as volume level and listening mode can be saved. Up to three presets can be registered and easily called up from the front panel button or the remote control.

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## Dialog Enhancement

With this unique mid-range sound control feature, you can make independent volume adjustments to the range including dialogs in films, with the up/down key on the remote control.

## MCACC Auto Room Tuning

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



## Works with SONOS

By bringing the VSX-LX105 into the Sonos eco-system with Connect or Port, you can play any music or audio source on your Sonos app. With "Volume Pass Through" mode selected at the Sonos App settings, you'll be able to control the volume of the unit by Sonos app or by itself. Enjoy high-quality playback from the AV receiver by Sonos app, just as you would with your favorite Sonos system.

<sup>\*</sup>Connection of maximum 2 Sonos devices is supported



## Powered Zone 2 with Dedicated DAC

With the powered feature, the VSX-LX105 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-LX105 is equipped with Zone B audio output terminals for expanding the Main Zone sound. You can listen to the sound playing in the living room via wireless headphones.



## High-quality Audio Transmission by Bluetooth® Wireless technology

Stream songs from compatible devices with the built-in Bluetooth® Wireless Technology (ver. 4.2). The VSX-LX105 features A2DP/AVRCP profiles, supporting SBC/aptX/aptX HD codecs for transmitter and SBC/AAC codecs for receiver. Not only you can listen music with the receiver via Bluetooth, but also listen to the main source sound of the receiver with a high-quality codec using compatible headphones.



With Wake on Play function, the AV receiver automatically wakes up and switches input when a Bluetooth source starts playing.



## Voice Control

The VSX-LX105 works with Hey Google, so you can control playback of various music services supported by Chromecast by asking a Google Assistant enabled device to play, stop, skip, or take the volume up or down. This receiver also works with Alexa, so you can also use voice commands to control supported music services in multiple rooms\* via Alexa built-in device. Thanks to both voice controls, you can easily operate and enjoy music services or Internet radio with your voice, without using a remote control or smartphone app.

<sup>\*</sup>Alexa multi-room music may require a firmware update.



## Downloads and More

Download available media for new 2021 products below:

[https://www.dropbox.com/sh/1y4ahkbkv5sxszv/  
AABqweSLdmE1RaxMq9yHPQU6a?dl=0](https://www.dropbox.com/sh/1y4ahkbkv5sxszv/AABqweSLdmE1RaxMq9yHPQU6a?dl=0)

## Additional Information

Website: <http://www.pioneerhomeusa.com>

Inquiries: [Turnitup@11tradingcompany.com](mailto:Turnitup@11tradingcompany.com)