5.1-ch Slim Network AV Receiver

VSX-S520(B/S)

VSX-S520(B)

VSX-S520(S)

Bringing quality sound and the latest features in a slim and stylish design, thanks to the highly-efficient Class D amplifier. Enjoy spectacular images with Ultra HD (4K/60p/4:4:4) upscaling/pass-through, play Hi-Res Audio via USB/network, listen to internet radio and various streaming services, or stream music with FlareConnect™, Chromecast built-in and DTS Play-Fi®. Combine with Pioneer's BDP-X300 Blu-ray Disc player and create a full-scale home cinema with a compact setup.

AMPLIFICATION
- Channels: 6
- Amplification Type: Class D
- 80 W/ch (4 ohms, 1 kHz, THD 1.0 %, 1ch Driven)

AUDIO FEATURES
- Dolby Atmos®*[1] for 3.1.2ch/Dolby Surround*[1]
- Surround Enhancer*[1]
- DTS:X/DTS Neural:X
- Reflex Optimizer
- Dolby® TrueHD/Dolby Digital Plus
- DTS-HD Master Audio/DTS-HD High Resolution Audio/DTS
- DSD Playback via Network/USB (5.6 MHz/2ch 2.8 MHz/2ch)
- DSD Disc (SACD) Playback via HDMI (2.8 MHz/5.1ch, 2ch)
- Digital Core Engine with Cirrus Logic (Quad Core) x1
- HDMI Audio Return Channel (ARC)
- MCACC Auto Room Tuning
  - Phase Control
  - Subwoofer EQ (4 Band)
- 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, Auto Surround

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)
- HDR10 and BT.2020 Pass-through Support
- Ultra HD Upscaling (1080p → 4K)

- 3D Ready (Blu-ray Disc™, Broadcast, and Games)
- Deep Colour (36-bit), "x.v.Colour"

HOME NETWORK FEATURES
- FlareConnect*[1] for Multi-room Audio
- Chromecast built-in*[1]*[2]
- DTS Play-Fi*[1]
- Apple AirPlay Certified
- Spotify, Tidal, and Deezer Music Streaming Services Ready*[3]
- Internet Radio (TuneIn)
- Hi-Res Audio File Playback via USB/Network
  - Up to 192 kHz/24-bit ALAC, AIFF, FLAC, WAV
  - 5.6/2.8 MHz DSD Playback

CONVENIENCE FEATURES
- Built-in Wi-Fi® (Dual Band 5 GHz/2.4 GHz)
- Built-in Bluetooth® Wireless Technology (Version: 4.1, Profile: A2DP/AVRCP, Codec: SBC/AAC)
- Works with Pioneer Remote App (iOS/Android™)*[4]
- New GUI with System/Network Setup Menu
- Auto Power Off in HDMI Standby Through
- FM (RDS) Tuner 40 Presets
- Sleep Timer
- User-Friendly Simple Remote Control

FRONT TERMINALS
- USB 1 In for USB Drive
- MCACC Setup MIC In
- Phones 1 Out

REAR TERMINALS
- HDMI 4 In
- HDMI 1 Out (ARC)
- Ethernet 1 In
- Audio 2 In (Assignable)
- Phono (MM) 1 In

- Digital Coaxial 1 In (Assignable)
- Digital Optical 1 In (Assignable)
- Subwoofer 1 Pre Out
- Speaker 6 ch Out (FRONT, CENTER, SURROUND, SUBWOOFER)
- FM Tuner Antenna

SPECIFICATIONS
- Power Requirements: AC 100-240 V, 50/60 Hz
- Power Consumption/Standby: 60 W/0.38 W
- Dimensions (W x H x D): 435 x 70 x 325 mm
- Weight: 4.0 kg

*[1] Available with firmware update   *[2] Chromecast-enabled apps required   *[3] Service availability depends on region   *[4] Available for free download from the App Store/the Google Play

VSX-S520(B)/MUP

Dolby Atmos for 3.1.2ch with Surround Enhancer

The VSX-S520 supports up to 3.1.2ch Dolby Atmos*. Surround Enhancer*, developed by Dolby Laboratories, Inc., is a virtual speaker technology based on Head-Related Transfer Function (HRTF). With DSP, virtual surround speakers deliver the sound that usually comes from surround speakers. The 3.1.2ch is virtually expanded to 5.1.2ch to create 3D surround sound field. Even those who have difficulty installing rear speakers can also enjoy various audio formats** in a wide sound field with Surround Enhancer, as well Dolby Atmos.

* Dolby Atmos and Surround Enhancer will be available with firmware update.
** Except audio signals encoded by DTS formats

DTS:X®

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.

Reflex Optimizer

When using Dolby Atmos-enabled speakers, high directivity sound from the unit reflects off the ceiling, while low directivity sound directly reaches the ears. The different pathways cause a phase shift, making the sound feel uncomfortable. The Reflex Optimizer which uses the Phase Control technology adjusts this shift, and improves the localisation of the sound image by aligning the frequencies with those of the floor speakers, creating the ideal reproduction environment.
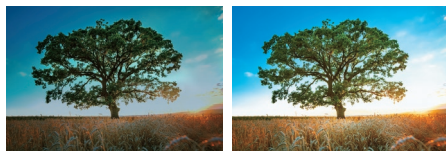
Before   After
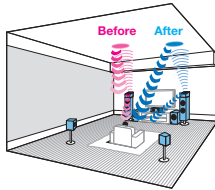
Next Generation Video Standard Ready

The VSX-S520 supports pass-through for HDR10. By connecting the source device, you can enjoy these latest video standards on a compatible display. What's more, all HDMI terminals support 4K, BT.2020, and HDCP 2.2, so you will have no problem when upgrading to new devices.

HDR Dynamic Range Expansion Image

No HDR

With HDR
For illustration purpose only

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 equalises response.

Synchronised Sound with Phase Control

As an innovative solution for the phase lag between the subwoofer and the main channel speakers caused by the bass management filter, Phase Control compensates the delayed bass to improve sound synchronisation.

Built-in Dual Band Wi-Fi

Enjoy network features such as 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 audio files.

Internet Radio & Online Music

Enjoy a limitless flow of music, sports, talk, and news entertainment from internet radio stations and online music services, including Spotify, TuneIn, TIDAL, and Deezer.

Multi-room Audio Offers a Variety of Ways to Enjoy Music

FlareConnect™* shares audio from network and external audio input sources between compatible components. Enjoy effortless multi-room playback of LP records, CDs, network music services, and more with supported components and speaker systems. Music selection, speaker grouping, and playback management across the home are built into the Pioneer Remote App**.

* Sharing audio from external inputs is enabled with a future firmware update. External audio inputs supporting FlareConnect may differ depending on model. Please consult individual product specification for more information.

** Download free from the App Store or Google Play.

Chromecast built-in

The VSX-S520 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™. Discover Chromecast-enabled apps at g.co/cast/audioapps.

* Chromecast built-in will be available with firmware update.

DTS Play-Fi®

DTS Play-Fi* wirelessly streams any audio content from any compatible mobile device to the VSX-S520 and DTS Play-Fi compatible audio systems, creating a multi-room system in your home. You can stream different sources to different speakers at the same time from the Pioneer Music Control App.

* DTS Play-Fi will be available with firmware update.