



Enjoy spectacular images on your home theater with Ultra HD (4K/60p/4:4:4) upscaling/pass-through, with HDCP 2.2 and support for the latest video standards HDR and BT.2020. Listen to Hi-Res Audio via USB or network. In addition to internet radio and various network streaming services, with Chromecast built-in you can use your mobile device to stream your favorite music to your receiver.

## Amplification

- › Channels: 5
- › Amplification Type: Direct Energy
- › 140 W/ch (6 ohms, 1 kHz, THD 0.9 %, 1ch Driven FTC)
- › 80 W/ch (8 ohms, 20 Hz-20 kHz, THD 0.08 %, 2ch Driven FTC)

## Audio Features

- › Dolby® TrueHD/Dolby Digital Plus/Dolby Pro Logic II
- › DTS-HD Master Audio/DTS-HD High Resolution Audio/DTS 96/24/DTS-HD Express/DTS Neo:6 5.1
- › 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
- › 384 kHz/32-bit DAC (AK4458)
- › 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)
- › HDR and BT.2020 Support
- › Ultra HD Upscaling (1080p → 4K)
- › 3D Ready (Blu-ray Disc™, Broadcast, and Games)
- › Deep Color (36-bit), "x.v.Color"

## Home Network Features

- › Chromecast built-in\*1\*2
- › Apple AirPlay Certified
- › Pandora®\*3
- › Spotify® Digital Music-Streaming Service Ready\*4
- › Internet Radio with TuneIn
- › TIDAL Music Streaming Service Ready\*1
- › Deezer\*1\*5
  - 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
    - Dolby® TrueHD Playback (USB only)

## 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)
- › iControlAV5 Remote Control App Ready (iOS/Android™)\*6
- › New GUI with System/Network Setup Menu
- › 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
- › Audio 1 In (Mini Stereo Jack)
- › Phones 1 Out

## Rear Terminals

- › HDMI 6 In (4 Assignable)
- › HDMI 1 Out
- › Ethernet 1 In

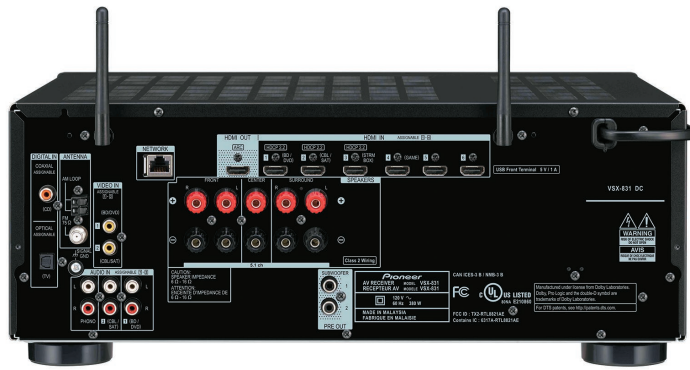
- › AV (Composite) 2 In (Assignable)
- › Audio 2 In (Assignable)
- › Phono (MM) 1 In
- › Digital Coaxial 1 In (Assignable)
- › Digital Optical 1 In (Assignable)
- › Subwoofer 2 Pre Out
- › Speaker 5 ch Out (FRONT, CENTER, SURROUND)
- › FM/AM Antenna

## Specifications

- › Power Requirements: AC 120 V, 60 Hz
- › Power Consumption/Standby: 380 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: 19.8 lbs. (9 kg)

\*1 Available with future firmware update \*2 Chromecast-enabled apps required \*3 Service only available in the U.S., Australia, and New Zealand

\*4 For service availability in your country, check [www.spotify.com](http://www.spotify.com) \*5 Service available in Canada, not available in the U.S. \*6 Available for free download from the App Store™/the Google Play™



VSX-831(B) UPC: 889951000044

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

The feature lets you take advantage of the highest-quality video source for viewing on a 4K TV. With support for HDCP 2.2, you can enjoy premium content such as 4K videos with digital copy protection on a compatible display.

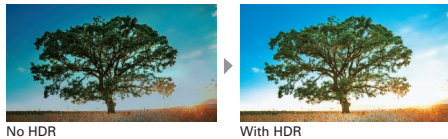


\* Supports up to 4K/60p/4:4:4/24-bit with HDCP 2.2 on HDMI IN (1/2/3), and HDMI OUT.

### Next Generation Video Standard Ready

The VSX-831 is ready for the next generation video standard HDR (High Dynamic Range) and BT.2020, which were adopted by Ultra HD Blu-ray™. HDR is a technology that drastically expands the brightness peak, providing a higher contrast between light and dark images, which creates even more life-like pictures. BT.2020 is a new color-recording technology allowing a much wider gamut than the current BT.709 standard, enabling vividly rich coloration.

HDR Dynamic Range Expansion Image



\* For illustration purpose only

### Chromecast built-in

The VSX-831 comes with Chromecast built-in, so you can use your mobile device to stream your favorite music, radio, or podcasts to the receiver. 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](http://g.co/cast/audioapps).



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

### Integrated Technologies



### 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.



### Synchronized Sound with Phase Control

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



### 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 Pandora, Spotify, TuneIn, TIDAL, and Deezer.

### New User-friendly GUI

The newly developed GUI offers smooth operation with advanced features and design. You can easily set up the AV receiver straight out of the box by following the step-by-step guidance. The network setup and MCACC menus are also available on the GUI.



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

FireConnect™ mirrors network audio and external analog sources connected to the master component—from streaming services to vinyl records—on FireConnect™-compatible speakers in other rooms. Music selection, speaker grouping, and playback management across the home are built into Pioneer Remote App for iOS and Android. \* FireConnect™ is enabled with a firmware update. Sharing of audio from external inputs depends on the model and is enabled with a future firmware update. VSX-831 does not support wireless transmission of signals from external inputs. Sampling rates of 44.1 kHz and 48 kHz are supported. FireConnect is a technology based on Blackfire provided by Blackfire Research Corp., USA.



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