VSX-90
7.2-Channel Elite® AV Receiver with Dolby Atmos®, Ultra HD Pass-through with HDCP 2.2, High-Resolution Audio Playback, Subwoofer EQ, Dual Subwoofer Preout, Built-in Bluetooth® Wireless Technology and Wi-Fi®, and Spotify® Ready

Amplification

› Channels: 7
› Amplification Type: Direct Energy
› 100 W/ch (8 ohms 20 Hz-20 kHz THD 0.08 % 2ch Driven FTC)

Audio Features

› Dolby Atmos®/Dolby® TrueHD/Dolby Digital® Plus/Dolby Surround
› DTS-HD® Master Audio/DTS-ES/DTS Neo:6®
› DSD Direct Playback via Network/USB (2.8 MHz)
› DSD Disc (SACD) Playback via HDMI (2.8 MHz)
› Digital Core Engine with Texas Instruments Aureus® DSP x 2
› Hi-bit24 Audio Processing
› 192 kHz/24-bit SABRE® Premier Audio DAC (ES9006S) for 7.2ch
› MCACC® Pro Room Calibration
   • Full Band Phase Control
   • Auto Phase Control Plus/Phase Control Plus
   • Standing Wave Control
   • 3D Time Axis Measurement
   • Polarity Check
   • Automatic Crossover Detection
   • Reverb Before and After Calibration Results (AVNavigator for iPad)
   • Subwoofer EQ (4 Band)
   • Bass Management System

Sound Enhancements

› Advanced Sound Retriever® (Multi-ch)
› Sound Retriever Link
› Auto Sound Retriever/Auto Sound Retriever for ARC
› Auto Level Control [Multi-ch]
› Virtual Speakers (Wide/Height/Surround Back)

› Advanced Surround Modes
   • Action, Drama, Advanced Game, Sports, Classical, Rock/Pop
   • Front Stage Surround
   • Sound Retriever Air, Phones Surround
   • ECO Mode 1, ECO Mode 2

Video Features

› HDMI 7 in/2 out (1 for MAIN, 1 for MAIN/HDZONE)
› 3D Ready (Blu-ray Disc™, Broadcast, and Games)
› Deep Color (36-bit), “x.v. Color”
› Video Scaler (1080p to 4K) with Super Resolution

Home Network Features

› Apple AirPlay® Certified
› DLNA Certified® (1.5)
› HTC Connect® Certified
› Windows® 8.1 Compatible
› Music File Playback/Seek* via Network/USB: AIFF, Apple Lossless, WAV, FLAC, MP3, WMA, AAC, DSD
› Gapless Playback for AIFF, Apple Lossless, WAV**, FLAC, AAC, MP3
› Multi-Channel (5.1ch, 5.0ch) Audio Playback (WAV**, FLAC**)
› Pandora® Internet Radio®
› Spotify® Digital Music-Streaming Service Ready®
› Internet Radio with vTuner®

Convenience Features

› iPod® Digital Transmission via Front USB Terminal
› Android™ Audio/Video Playback with MHL™
› Start-up Navi (Initial Network Setting App) Ready [iOS/Android]*
› AVNavigator [Wiring Navi/Interactive Operation Guide]
› iControlAV5 Remote Control App Ready [iOS/Android]*
› HDMI ZONE Out (HDZONE) and Analog Audio Out (ZONE 2)
› Charges iPod and iPhone®
› Built-in Wi-Fi (Dual Band 5 GHz/2.4 GHz)
› Built-in Bluetooth Wireless Technology
› BT Audio Auto Function
› Firmware Update via Internet or USB
› Graphical User Interface [GUI] with Album Artwork [HDMI only]
› Auto Power Down for Each Zone
› Power Save for HDMI Standby Through
› AM/FM Tuner 63 Presets
› Sleep Timer
› Learning Remote Control (Luminous)

* Except DSD files
*2 Except via wireless LAN. Up to 192 kHz streams via USB, up to 96 kHz streams via wired LAN
*3 Up to 96 kHz streams
*4 Except multi-ch audio streaming via wireless LAN
*5 Service only available in the U.S.
*6 For service availability in your country, check www.spotify.com
*7 Available free of charge from the App Store®/the Google Play™ Store

Bold denotes step-up features from VSX-45
VSX-90
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2.2, High-Resolution Audio Playback, Subwoofer EQ, Dual Subwoofer Preout, Built-In Bluetooth® Wireless Technology and Wi-Fi®, and Spotify® Ready

Connections

Power Specifications
› Power Requirements: AC 120 V 60 Hz
› Power Consumption/Standby: 550 W/0.1 W

Product Specifications
› [W x H x D]: 20.6 x 9.7 x 18.1 inches
› Weight: 25.4 lbs.

Carton Specifications
› [W x H x D]: 17.1 x 6.6 x 14.3 inches
› Weight: 21.6 lbs.

Rear Terminals
› HDMI 6 in (5 assignable, 1 for HDMI/MHL)
› HDMI 2 out (1 for MAIN, 1 for MAIN/HDZONE)
› Ethernet 1 in
› AV (Composite) 2 in
› Audio 1 in (assignable)
› Digital Coaxial 1 in (assignable)
› Digital Optical 1 in (assignable)
› Component Video 1 in (assignable)
› Component Video 1 in (assignable)
› Power Consumption/Standby: 550 W/0.1 W

Front Terminals
› HDMI 1 in
› USB 1 in for iPod/iPhone, USB drive
› MCACC Setup MIC in
› Phones 1 out

Carton Specifications
› UPC: 8-84938-29088-3

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