

# TX-RZ800 7.2-Channel Network A/V Receiver

DTS:X Upgradable

BLACK



Microphone for AccuEQ



Made for



## The Difference is Sonic Pleasure

This is what happens when you give talented engineers free rein to create a product for movie lovers who really care about sound. The all-new TX-RZ800 is a weapon: separate amp and processing blocks, custom high-current transformer, custom capacitors, Asahi Kasei 384 kHz/32-bit DAC, discrete low-impedance amp circuitry, and a 32-bit DSP to extract every drop of performance from DTS:X™ and Dolby Atmos® soundtracks. The high-current amp grips the speaker drivers with confidence for effortlessly clear sound that extends down to 5 Hz without phase shifting, meaning you enjoy a perfectly focused audio image and earth-shaking bass. Combine this with original VLSC™ technology—which cleanses the signal of pulse noise—and you have a receiver that just begs to be turned up to THX® Reference levels, whether you're playing an object-based movie soundtrack or an album over AirPlay. From front to back and top to bottom, the TX-RZ800 adds pure sonic emotion to the latest UltraHD entertainment.

### HIGHLIGHTS

- Latest DTS:X™ and Dolby Atmos® Compatible
- THX® Select2™ Plus Certified Power
- 185W per Channel
- Ultra-Low-Frequency Reproduction for Dynamic Bass
- Hi-Current Amp Design for Authentic Sound Reproduction
- HDMI® 8 In / 2 Out Including 1 Front (4K UltraHD / HDCP 2.2 / 4:4:4 Color Space)
- Bluetooth Audio / Wi-Fi® with Pandora, Spotify, and AirPlay
- DSD 5.6 MHz, FLAC 192 kHz/24-bit Hi-Res Audio Capable
- 384 kHz/32-bit Hi-Grade DAC

### ADVANCED FEATURES

- Supports New DTS:X™ and Dolby Atmos® Formats for Exciting Multidimensional Sound
- THX® Select2™ Plus Certified for Theater Reference Sound
- 4K/60 Hz 4:4:4 Color Space, and HDCP 2.2 Capable HDMI® Terminals for UltraHD Entertainment<sup>1</sup>
- Zone 2 HDMI Output for HD Video in a Second Room<sup>2</sup>
- Zone 2 Digital Audio and Network Audio Output
- Built-in Wi-Fi® and Bluetooth Technology for Wireless LAN and Audio Streaming
- Three-Stage Inverted Darlington Circuitry on All Channels
- Customized Capacitors and Transformer for High-Current and Ultra-Low-Frequency Reproduction
- VLSC Technology for Noise-free Signal Path

- Pure Direct Analog Path Mode for Interference-free Hi-Fi Stereo Listening
- Internet Radio and Music Streaming Subscription Services Included (TuneIn Radio, Pandora®, Slacker™, SiriusXM Internet Radio®, Spotify, and Deezer)<sup>3</sup>
- Play Compressed, Lossless, and Hi-Res Audio via Local Network (MP3, WMA, WMA Lossless, FLAC, WAV, Ogg Vorbis, AAC, Apple Lossless, DSD 5.6 MHz, LPCM<sup>4</sup>, and Dolby® TrueHD)
- AccuEQ Room Calibration with Mic for Clear and Balanced Sound
- Advanced Music Optimizer to Improve Compressed Digital Audio Quality (Bluetooth Included)
- Control and Stream with Free Onkyo Remote Streaming Apps for iPod touch®/iPhone®<sup>5</sup> and Android Devices<sup>6</sup>
- Bi-Amping Capability for Front Channels
- Powered Zone 2 and Zone 2/3 Pre/Line-Outs for Distributed Audio Playback
- Whole House Mode for Synchronized Housewide Audio
- 7.2 Multichannel Pre-Outs

<sup>1</sup> 6G 4:4:4 video and HDCP 2.2 is supported on HDMI inputs 1/2/3/4/5, Main Out, and Sub Out. <sup>2</sup> Zone 2 HDMI is supported on inputs 1/2/3/4/5. <sup>3</sup> Availability of services depends on region. Some services may require a paid subscription and firmware update. Availability of third-party services advertised here is accurate at the time of publication, but may be subject to change without notice. <sup>4</sup> LPCM is supported via DLNA only. <sup>5</sup> Compatible with iPod touch (3rd generation or later) and iPhone 3GS or later. All models require iOS 4.2 or later. <sup>6</sup> Requires Android 2.1 or later.

### AMPLIFIER FEATURES

- 185W/Ch (6 Ohms, 1 kHz, 0.9% THD, 1 Channels Driven, FTC); 135W/Ch (8 Ohms, 20 Hz–20 kHz, 0.08% THD, 2 Channels Driven, FTC);
- WRAT (Wide Range Amplifier Technology), H.C.P.S. (High Current Power Supply) Massive High-Power Transformer, VLSC, and Discrete Output Stage Circuitry
- PLL (Phase Locked Loop) Jitter-Cleaning Circuit Technology for S/PDIF Audio

### PROCESSING FEATURES

- AK4458 384 kHz/32-bit DAC (8 Channels x 1)
- 32-bit Digital Signal Processing Engines
- 4 DSP Modes for Gaming: Rock, Sports, Action, and RPG
- Theater-Dimensional Virtual Surround Function
- Direct Mode and Pure Audio Mode

### CONNECTION FEATURES

- 8 HDMI Inputs (1 Front/7 Rear), Main, and Zone 2 Outputs
- Mass Storage Class USB Memory Playback Capability
- Component Video Switching (2 Input and 1 Output)
- 3 Composite Video Inputs (3 Rear) and 1 Output
- 5 Digital Audio Inputs (3 Optical and 2 Coaxial)
- 9 Analog Audio Inputs (9 Rear)
- Phono Input (MM) for Turntable Connection
- IR Input, 12V Trigger Out (Assignable), and RS232 Port
- 2 Parallel Subwoofer Pre-Outs

### OTHER FEATURES

- Independent Crossover Adjustment for Each Channel (40/50/60/70/80/90/100/120/150/180/200 Hz)
- A/V Sync Control (Up to 500 ms in 5 ms Steps at 48 kHz)
- Graphical Overlaid On-Screen Display (OSD) via HDMI
- Hybrid Standby Function with HDMI Passthrough
- 40 FM/AM and 40 Internet Radio Station Presets
- Certified with DLNA Version 1.5
- RIHD (Remote Interactive Over HDMI) for System Control
- Aluminum Front Panel and Volume Control Knob
- Preprogrammed RI (Remote Interactive) Remote Control

# TX-RZ800 7.2-Channel Network A/V Receiver

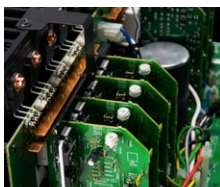
## Ultra-Low-Frequency Hi-Current Amp Design

Backed by 70 years' experience building amplifiers and high-grade audio components, the TX-RZ800 reproduces ultra-low-frequencies down to 5 Hz so you can feel the bass impact in your chest. Our high-current amplification system also enhances control of the speakers for accurate and dynamic sound.



## Non-Phase-Shift Amp for Realistic Audio Imaging

Wide Range Amp Technology (WRAT) prevents phase shifting by pushing the roll-off point higher than the listening level frequency. Amplifying sound without phase shift creates an uncommonly clear, well focused, and realistic audio image.



## VLSC for Noiseless Audio Processing

Onkyo developed Vector Linear Shaping Circuitry (VLSC) to reassemble the signal in its original form following processing. Unlike conventional filters, VLSC completely removes pulse-noise generated in D/A conversion, allowing the sound wave to be reproduced with extremely high fidelity.

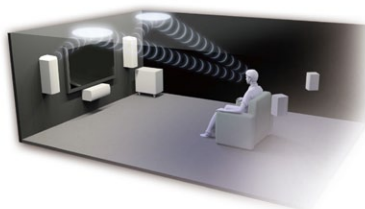


## HDMI® 8 In / 2 Out Including 1 Front (4K UltraHD / HDCP 2.2 / 4:4:4 Color)

All HDMI terminals support 4K/60 Hz as well as HDCP 2.2 for next-generation UltraHD streaming and broadcasting.

## DTS:X™ and Dolby Atmos® Support

DTS:X is a next-generation object-based surround-sound technology that includes height to deliver a fully immersive listening experience in your living room. DTS:X provides the ultimate in flexibility, immersion, and interactivity. Dolby Atmos transports you from an ordinary moment into an extraordinary experience with captivating, multidimensional sound that fills your room and flows all around you to move your mind, body, and soul.



## THX®-Certified Amp Quality

THX certification guarantees the same high-volume, low-distortion sound you experience in a commercial theater in your listening room. THX® Select2™ Plus is recommended for screen-to-seat viewing distances of 10–12 feet (3–4 m).



## Premium 384 kHz/32-bit DAC for Hi-Res Audio

Onkyo A/V receivers are engineered for universal Hi-Res playback including DSD 5.6 MHz and 192 kHz/24-bit FLAC files. A top-quality AK4458 DAC from Asahi Kasei extracts the best possible performance from any format for transparent, lifelike sound.



## Bluetooth Audio, Wi-Fi®, and AirPlay with Pandora® and Spotify

Stream virtually any audio to your home theater with zero hassle. Available internet radio and music subscription services include Pandora, Spotify, and much more.

## SPECIFICATIONS

### Amplifier Section

<b>Power Output</b>	
All Channels	185 W/Ch (6 Ohms, 1 kHz, 0.9% THD, 1 Channel Driven)
	135 W/Ch (8 Ohms, 20 Hz–20 kHz, 0.08% THD, 2 Channels Driven)
<b>Dynamic Power</b>	300 W (3 Ohms, Front)
	250 W (4 Ohms, Front)
	150 W (8 Ohms, Front)
<b>THD+N (Total Harmonic Distortion + Noise)</b>	
	0.08% (20 Hz–20 kHz, Half Power)
<b>Damping Factor</b>	Over 40 (Front, 1 kHz, 8 Ohms)
<b>Input Sensitivity and Impedance</b>	
	200 mV/47 k-ohms (Line)
	3.5 mV/47 k-ohms (Phono MM)
<b>Rated RCA Output Level and Impedance</b>	
	1.0V/470 Ohms (Pre Out)
	1.0V/470 Ohms (Subwoofer Pre Out)
	100 mV/2.2 k-ohms (Zone Out)
	1.0V/2.2 k-ohms (Zone Pre Out)
<b>Phono Overload</b>	70 mV (MM, 1 kHz, 0.5%)
<b>Frequency Response</b>	
	5 Hz–100 kHz/±1 dB, -3 dB (Direct Mode)
<b>Tone Control</b>	
	±10 dB, 20 Hz (Bass)
	±10 dB, 20 kHz (Treble)
<b>Signal-to-Noise Ratio</b>	106 dB (Line, IHF-A)
	80 dB (Phono MM, IHF-A)
<b>Speaker Impedance</b>	4 Ohms – 16 Ohms

### Video Section

<b>Input Sensitivity/Output Level and Impedance</b>	
Video	1.0Vp-p/75 Ohms (Component Y)
	0.7Vp-p/75 Ohms (Component PB/CB, PR/CR)
	1.0Vp-p/75 Ohms (Composite)
<b>Component Video Frequency Response</b>	
	5 Hz–100 MHz/±0 dB, -3 dB

### Tuner Section

<b>Tuning Frequency Range</b>	
FM	87.5 MHz–107.9 MHz
AM	530 kHz–1,710 kHz
<b>FM/AM Preset Memory</b>	40 Stations

### General

<b>Power Supply</b>	AC 120V~, 60 Hz
<b>No-Sound Power Consumption</b>	90 W
<b>Standby Power Consumption</b>	0.15 W
<b>Dimensions (W x H x D)</b>	17 1/8" x 7 13/16" x 17 1/16" (435 x 201.5 x 433.5 mm) (Height: 10 3/16" [261.5 mm] with antennas raised)
<b>Weight</b>	37.5 lbs. (17 kg)

### CARTON

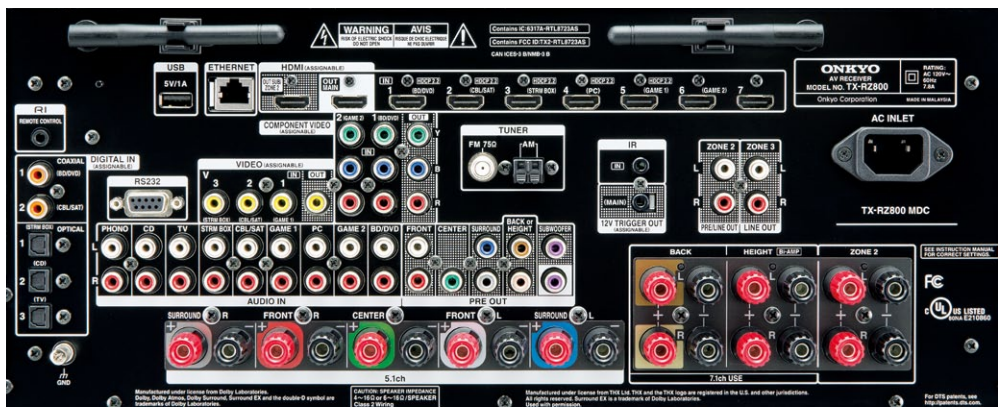
<b>Dimensions (W x H x D)</b>	21 13/16" x 12 1/2" x 20 1/2" (582 x 317 x 521 mm)
<b>Weight</b>	45.2 lbs. (20.5 kg)

### UPC CODE

(B)	751398012310
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### Supplied Accessories

- Indoor FM antenna • AM loop antenna • Speaker setup microphone • Instruction manual • Remote controller • AA (R6) batteries x 2



Text on receiver may vary with region.

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