

TX-RZ900 7.2-Channel Network A/V Receiver

DTS:X Upgradable

BLACK



Microphone for AccuEQ



HDCP2.2



PANDORA

VLSC

384kHz
32bitAccuEQ
ROOM CALIBRATION

Made for

iPod iPhone iPad

Hear Every Detail, Feel Every Emotion

From thick aluminum faceplate to gold-plated speaker posts, the TX-RZ900 is crafted for one purpose: pure enjoyment of sound, be it vinyl records or the latest object-based movie soundtracks. Every component is customized to reference standards, from a hand-wound toroidal transformer to massive audio-grade capacitors, to capture the whole audio image with breathtaking clarity and timing. The sound is lush, dynamic, and musical, with discrete high-current amplifiers reaching all the way down to 5 Hz. When the soundtrack explodes, you feel the rumble. Using low-noise Vector Linear Shaping Circuitry™ (VLSC), this unique high-current amp technology produces sound that is immensely powerful yet free of distortion. A full complement of wireless audio services is included along with the latest spec HDMI® terminals for 60 fps UltraHD video and 4:4:4 color space. Experience home entertainment at its finest: the TX-RZ900 is one for the ages.

HIGHLIGHTS

- Latest DTS:X™ and Dolby Atmos® Compatible
- THX® Select2™ Plus Certified Power
- 200W per Channel
- Ultra-Low-Frequency Reproduction for Dynamic Bass
- Hi-Current Amp Design for Authentic Sound Reproduction
- Custom Toroidal Transformer for Unbeatable Power
- 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^{*1}
- Zone 2 HDMI Output for 4K Video in a Second Room^{*2}
- Zone 2 Digital Audio and Network Audio Output
- Built-in Wi-Fi® and Bluetooth Technology for Wireless LAN and Audio Streaming
- High-Grade Toroidal Transformer
- 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

- Parallel Push-Pull Amplifier Design for Front Channels
- 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)^{*3}
- 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^{*4}, 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®, and Android Devices^{*6}
- Bi-Amping Capability for Front Channels
- Powered Zone 2 and Zone 2 Pre/Line-Out and Zone 3 Line-Out for Distributed Audio Playback
- Whole House Mode for Synchronized Housewide Audio
- 7.2 Multichannel Pre-Outs
- Transparent High-Grade Speaker Terminals

^{*1} 6G 4:4:4 video and HDCP 2.2 is supported on HDMI inputs 1/2/3/4/5, Main Out, and Sub Out. ^{*2} Zone 2 HDMI is supported on inputs 1/2/3/4/5. ^{*3} 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. ^{*4} LPCM is supported via DLNA only. ^{*5} Compatible with iPod touch (3rd generation or later) and iPhone 3GS or later. All models require iOS 4.2 or later. ^{*6} Requires Android 2.1 or later.

AMPLIFIER FEATURES

- 200W/Ch (6 Ohms, 1 kHz, 0.9% THD, 1 Channels Driven, FTC); 140W/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 Toroidal Transformer, VLSC, and Discrete Output Stage Circuitry
- PLL (Phase Locked Loop) Jitter-Cleaning Circuit Technology for SPDIF Audio

PROCESSING FEATURES

- AK4458 384 kHz/32-bit DAC (8 Channels x 1)
- 32-bit Digital Signal Processing Engine
- 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, 12 V Trigger Output (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
- RIHD (Remote Interactive Over HDMI) for System Control
- Aluminum Front Panel and Volume Control Knob
- Preprogrammed RI (Remote Interactive) Remote Control

TX-RZ900 7.2-Channel Network A/V Receiver

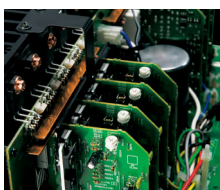
Custom Toroidal Transformer and Hi-Current Amps for Ultra-Low-Frequency Sound

Backed by 70 years' experience building amplifiers and high-grade audio components, the TX-RZ900's custom toroidal transformer and capacitors help to reproduce ultra-low frequencies down to 5 Hz so you can feel the bass impact in your chest. Our high-current amplification system also enables enhanced 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.



Parallel Push-Pull Amplification with Three-Stage Inverted Darlington Circuitry

Parallel Push-Pull Amplification on the front channels enables high instantaneous current through low-impedance Three Stage Inverted Darlington Circuitry, delivering power, current, and efficiency that is simply unrivalled in its class.

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.



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

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

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.

Share Your 4K Video Sources in Two Zones

Use the HDMI Sub Out to connect a second display in another room. This allows you to route 4K and 1080p content from the media players connected to your receiver and play it back on another TV with easy smartphone control.

SPECIFICATIONS

Amplifier Section

Power Output	
All Channels	200 W/Ch (6 Ohms, 1 kHz, 0.9% THD, 1 Channel Driven, FTC)
	140 W/Ch (8 Ohms, 20 Hz–20 kHz, 0.08% THD, 2 Channels Driven, FTC)
Dynamic Power	320 W (3 Ohms, Front)
	270 W (4 Ohms, Front)
	160 W (8 Ohms, Front)
THD+N (Total Harmonic Distortion + Noise)	
	0.08% (20 Hz–20 kHz, Half Power)
Damping Factor	Over 40 (Front, 1 kHz, 8 Ohms)
Input Sensitivity and Impedance	
	200 mV/47 k-ohms (Line)
	3.5 mV/47 k-ohms (Phono MM)
Rated RCA Output Level and Impedance	
	1.0 V/470 Ohms (Pre Out)
	1.0 V/470 Ohms (Subwoofer Pre Out)
	100 mV/2.2 k-ohms (Zone Out)
	1.0 V/2.2 k-ohms (Zone Pre Out)
Phono Overload	70 mV (MM, 1 kHz, 0.5%)
Frequency Response	
	5 Hz–100 kHz/±1 dB, -3 dB (Direct Mode)
Tone Control	
	±10 dB, 20 Hz (Bass)
	±10 dB, 20 kHz (Treble)
Signal-to-Noise Ratio	
	106 dB (Line, IHF-A)
	80 dB (Phono MM, IHF-A)
Speaker Impedance	4 Ohms – 16 Ohms

Video Section

Input Sensitivity/Output Level and Impedance	
Video	1.0 Vp–p/75 Ohms (Component Y)
	0.7 Vp–p/75 Ohms (Component Pb/Cb, Pr/Cr)
	1.0 Vp–p/75 Ohms (Composite)
Component Video Frequency Response	
	5 Hz–100 MHz/±0 dB, -3 dB

Tuner Section

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

General

Power Supply	AC 120V~, 60 Hz
No-Sound Power Consumption	95 W
Standby Power Consumption	0.15 W
Dimensions (W x H x D)	
	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)
Weight	39.7 lbs. (18 kg)

CARTON

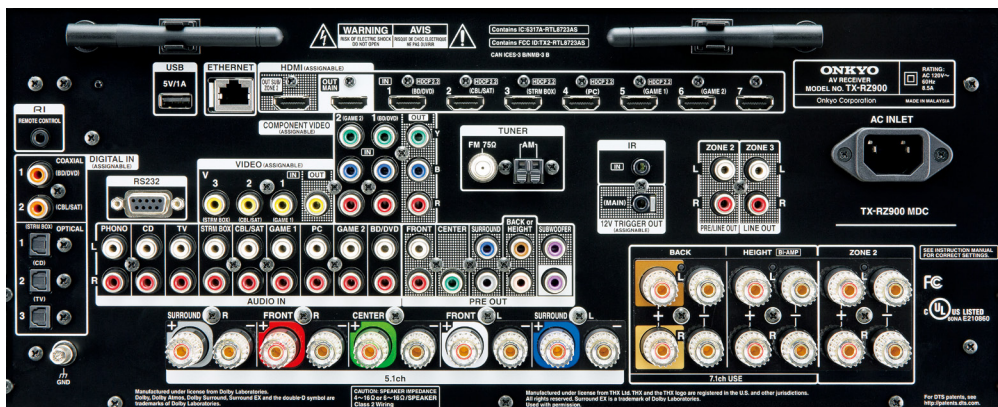
Dimensions (W x H x D)	
	22 13/16" x 12 1/2" x 20 1/2"
	(582 x 317 x 521 mm)
Weight	47.4 lbs. (21.5 kg)

UPC CODE

(B) 751398012327

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.

Due to a policy of continuous product improvement, Onkyo reserves the right to change specifications and appearance without notice. THX, the THX logo, and Select2 are trademarks of THX Ltd. THX and the THX logo are registered in the U.S. and other jurisdictions. All rights reserved. Manufactured under license from Dolby Laboratories. Dolby, Atmos, and the double-D symbol are trademarks of Dolby Laboratories. For DTS patents, see <http://patents.dts.com>. Manufactured under license from DTS Licensing Limited. DTS, the Symbol, DTS in combination with the Symbol, DTS:X, and the DTS:X logo are registered trademarks or trademarks of DTS, Inc. in the United States and/or other countries. © DTS, Inc. All Rights Reserved. HDMI, the HDMI logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries. iPhone, iPod, iPod classic, iPod nano, iPod shuffle, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this device with iPod or iPhone may affect wireless performance. Android is a trademark of Google Inc. The Bluetooth™ word mark and logos are owned by the Bluetooth SIG, Inc. SIRIUS, XM and all related marks and logos are trademarks of SIRIUS XM Radio Inc. and its subsidiaries. WRAT, Music Optimizer, Theater-Dimensional, VLSC, and AccuEQ are trademarks of Onkyo Corporation. All other trademarks and registered trademarks are the property of their respective holders.