

# TX-RZ920 9.2-Channel Network A/V Receiver

**RZ**  
SERIES



BLACK



## Time to Live the Dream

Holographic soundstage. Immense power. Ultimate control. Expect it from the reference-level THX® Certified Select™ TX-RZ920, a 9.2-channel A/V receiver that's crafted top-to-bottom for complete audio-visual immersion. With custom high-current amplification and state-of-the-art processing that preserves signal integrity from the source, this receiver unlocks superior sound reproduction in your media room and beyond. Connect compatible components or speakers to mirror music over FlareConnect™, Chromecast built-in, and DTS Play-Fi® platforms, or distribute audio in up to three zones via powered and pre-/line outputs. Extensive connectivity clears the way to 11-channel home theater, phase-calibrated and acoustically balanced for your room, as well as 4K/60p/HDCP 2.2 video pass-through in two rooms. The TX-RZ920 integrates with home automation systems for seamless audio distribution, transforming your lifestyle with easy entertainment everywhere. \* Firmware update required.

### HIGHLIGHTS

- THX® Certified Select™ Theater Reference Sound
- Native DTS:X® and Dolby Atmos® to 5.2.4 Channels
- DTS Neural:X™ Upmixing for Legacy Formats
- Chromecast built-in, AirPlay, Wi-Fi®, and Bluetooth® App Streaming
- AccuEQ Room Calibration with AccuReflex Technology
- FlareConnect™ Multi-room Wireless Audio Distribution
- HDMI® 8 In (1 Front), Main Out, Sub/Zone 2 Out (HDCP 2.2/HDR Pass-through\*)

### ADVANCED FEATURES

- THX Certified Select Theater-Reference Audio Performance
- 5.2.4-Channel DTS:X and Dolby Atmos Object-based Audio Decoding
- DTS Neural:X Upmixes Standard 5.1 and 7.1 formats to 3D Sound
- HDMI Supports 4K/60 Hz, HDR10, HLG (Hybrid Log-Gamma), Dolby Vision™, BT.2020, 4:4:4 Color Space, and HDCP 2.2-protected Video Pass-through\*\*
- Zone 2 HDMI Output Distributes 4K/60 Hz Video to a Second Display
- Chromecast built-in, DTS Play-Fi®, AirPlay, Wi-Fi, Bluetooth®, Tuneln Radio, Pandora®, Spotify®, TIDAL, and Deezer Audio Streaming\*\*
- Ready for Onkyo Controller App Integrated Multi-room Intuitive Operation\*\*
- Network/USB Audio Playback Supporting Hi-Res Audio 192 kHz/24-bit FLAC, WAV, AIFF, and ALAC, Dolby® TrueHD®, DSD\*\* 2.8/5.6/11.2 MHz (DSD 11.2 MHz for Native Playback Only), and AAC (Up to 96 kHz/24-bit), MP3, and WMA
- Powered Zone 2 and Powered Zone 3 Outputs for Multi-room Audio (Zone 2 Supporting HDMI/NET/OPT/COAX/Analog, Zone 3 Supporting NET/Analog)
- Independent Volume/Tone Controls for Zone 2 and Zone 3 Audio
- Whole House Mode for Easy Simultaneous Multi-zone Audio Playback
- AccuEQ Calibration with AccuReflex for Seamless Object-based, Multichannel, and Stereo Sound (Setup Mic Included)

- FlareConnect Multi-room Audio Distribution to Compatible Components and Speakers
- 11.2 Multichannel Pre-Outs for 7.2.4-channel Object-based Audio with Outboard Stereo Amplifier

### AMPLIFIER FEATURES

- 135 W/Ch (8 Ohms, 1 kHz, 0.08% THD, 2 Channels Driven, FTC); 250 W/Ch (6 Ohms, 1 kHz, 10% THD, 1 Channel Driven)
- Onkyo High-Current Digital Amplification for Smooth Low-Distortion Power
- Customized High-Output Transformer, Custom Audio-Grade Capacitors, Separate Transformer for Standby
- Separated Digital and Analog Circuitry to Reduce Interference
- Extruded Metal Heat Sink with Polycarbonate Cooling Fan
- Optimum Gain Volume Circuitry
- VLSC™ (Vector Linear Shaping Circuitry) Noise-free Signal Processing for All Channels
- PLL (Phase Locked Loop) Jitter-Cleaning Circuitry for S/PDIF Audio

### PROCESSING FEATURES

- HDMI Support for 4K/60 Hz, HDR10, Dolby Vision, HLG, BT.2020, 4:4:4 Color Space, 3D, Audio Return Channel, DeepColor™, x.v.Color™, LipSync, Dolby Atmos, Dolby TrueHD, Dolby® Digital Plus, Dolby® Surround, DTS:X, DTS-HD Master Audio™, DTS 96/24, DTS-ES, DTS Express, DTS Neural:X, THX® Cinema/Music/Game, DVD-Audio, Super Audio CD, Multichannel PCM, and CEC
- Dolby Atmos, DTS:X, Dolby TrueHD, and DTS-HD Master Audio Decoding
- 11-Ch Processing Enables 7.2.4-Ch DTS:X and Dolby Atmos (External Amplifier Required)
- 384 kHz/32-bit D/A Conversion with AK4490 (Front L/R), 768 kHz/32-bit D/A Conversion with AK4458 (Other Channels)
- Discrete 192 kHz/24-bit AK4388 Stereo DACs (x2) for Zone 2 and Zone 3
- Multiple 32-bit Digital Signal Processing Engines
- 4 DSP Modes for Gaming: Rock, Sports, Action, and RPG
- Theater-Dimensional Virtual Surround Function
- Pristine Reproduction of Audio-only Sources in Pure Audio Mode
- Direct Mode for Audio Reproduction Close to Original Source Quality

### CONNECTION FEATURES

- 8 HDMI Inputs (1 Front/7 Rear), Main, and Sub/Zone 2\*\* Outputs
- Mass Storage Class USB Memory Playback Capability (Rear Input)
- 11.2 Multichannel Pre-Outs and Zone 2/3 Pre-/Line Outs
- Zone 2 and Zone 3 Powered Speaker Outputs/Bi-Amping Outputs
- 2 Component Video Inputs
- 2 Composite Video Inputs
- 4 Digital Audio Inputs (2 Optical and 2 Coaxial), 6 Analog Audio Inputs, and Phono (MM) Input for Turntable
- Quality Banana-plug-compatible Speaker Posts
- Dual Subwoofer Pre-Outs
- 12 V Trigger Outputs (A: 100 mA, B: 25 mA) with IR Input; Supports IP and RS232
- 1/4" (6.35 mm) Headphone Jack (Front)

### OTHER FEATURES

- Tone Controls (Bass/Treble) ±10 dB for All Channels
- Independent Crossover Adjustment for All Channels (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)
- New Graphical Overlaid On-Screen Display (OSD) via HDMI with Quick Setup Function
- 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
- Optional Rack-mounting Kit (IRK-180-4C)
- Simple Remote Control

\*1 Service enabled via firmware update. \*2 6G Video/HDCP 2.2 pass-through supported on HDMI inputs 1-5, Main Out, and Sub Out. 3G Video/HDCP 2.2 pass-through supported on Zone 2 Out. \*3 Bluetooth specification Version 4.1 +LE (Compatible profile: A2DP v1.2, AVRCP v1.3). \*4 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. \*5 For iOS and Android™ devices. Please check App Store or Google Play for device and OS requirements. \*6 Dolby TrueHD in 3.1/5.1/7.1 multichannel formats are supported via USB input only. \*7 DSD playback not guaranteed over wireless LAN. \*8 Zone 2 output is limited to HDMI inputs 1-5.

# TX-RZ920 9.2-Channel Network A/V Receiver

## Welcome to the RZ Series

Our flagship RZ Series A/V receivers deliver a significant boost to the dynamism, detail, and accuracy of music and movie soundtracks for a listening experience that packs deep emotional impact. The TX-RZ920 features top-quality components and a massive custom transformer to provide high instantaneous current for fast transients and wideband frequency response down to 5 Hz. Discrete non-phase-shift amp circuits clearly focus the audio image and cut distortion even at floor-shaking volumes.

## Customized High-Current Capacitors and Massive Transformer

To supply the current needed to respond instantly to dynamic changes in the signal, Onkyo employs a fully customized massive transformer and huge audio-grade capacitors. Even at high volume, the TX-RZ920 never feels strained or unbalanced by complex musical passages or dynamic movie soundtracks.



Customized high-current capacitors

## THX® Certified Select™ Reference Sound

THX Certified Select guarantees the same high-volume sound you experience at a commercial theater in your home. To gain certification, amplifiers must pass severe bench-tests covering every aspect of audio performance. THX Certified Select components are ideally suited to rooms where the screen-to-seat viewing distance is about 10 feet and the room volume approximately 2,000 cubic feet.



## Unleash Dolby Atmos® and DTS:X® Home Theater

Object-based soundtracks allow independently mixed sound to play through any speaker in your system, moving above and around you with breathtaking realism. The TX-RZ920 reproduces 5.2.4-channel Dolby Atmos or DTS:X formats, with AccuReflex correcting the phase of direct and indirect sounds for cohesive audio imaging with Dolby Atmos-enabled speakers.



## Upmixing Solutions for Legacy Soundtracks

DTS Neural:X™ identifies spatial effects in multichannel soundtracks and upmixes for 3D playback through object-audio-ready speaker systems. Dolby Surround also upmixes legacy sound formats so you can experience multidimensional playback of legacy sound formats in a Dolby Atmos environment.

## Music Made Easy with Chromecast built-in

Stream any music from your smartphone, laptop, or PC to the TX-RZ920 with ease. Control playback with Chromecast-enabled apps you know and love from your iPhone, iPad, Android phone or tablet, Mac or Windows® laptop, or Chromebook™.



## Ready for DTS Play-Fi® Multi-room Audio

DTS Play-Fi allows you to enjoy high-quality music from connected online services, networked media servers, and your device library over Wi-Fi® to any number of compatible products using the Onkyo Music Control App for iPad, iPhone, and Android™ smartphones/tablets. DTS Play-Fi can

synchronize the music in every room. Each member of your family can use their own device to listen to their own music in their room or group of rooms. DTS Play-Fi lets you easily structure a comprehensive multi-room ecosystem that satisfies virtually any need.

For more information, visit [www.play-fi.com](http://www.play-fi.com).

\* Enabled with a firmware update.



## FlareConnect™ Wireless Multi-room Audio

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 Onkyo Controller\*\* 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.

## Dual-band Wi-Fi, AirPlay, and Bluetooth® Technology

Dual-band 5 GHz/2.4 GHz Wi-Fi assures a stable connection so you can stream over AirPlay and the local network. Bluetooth wireless technology provides quick and simple streaming from your choice of app and device.



## Internet Radio and Streaming Services

Spotify®, TIDAL, Deezer, Pandora®, and TunesIn are on board to make selecting from a massive range of music and radio programs using Onkyo Controller very simple.

## Supports HDR10, HLG, Dolby Vision™, BT.2020, 4K/60 Hz, and HDCP 2.2

Five rear HDMI® inputs (HDMI 1–5), Main Out, and Sub/Zone 2 Out support pass-through of HDR10, HLG (Hybrid Log-Gamma), and Dolby Vision; the BT.2020 4K color standard; 4K/60 Hz video playback; and HDCP 2.2 for premium video content. Front HDMI terminal is ideal for temporary device connections.



## Wide Connectivity for Custom Setups

With 11.2-channel pre-outs, 12 V triggers, IR input, and optional rack-mount kit, the TX-RZ920 integrates with other components (such as outboard amps) to create a full wired multi-room setup thanks to Powered Zone 2/3 and Zone 2/3 Pre-Line Outputs governed by Whole Home Audio or a home automation system.

## SPECIFICATIONS

Amplifier Section	
<b>Power Output</b>	
All Channels	135 W/Ch (8 Ohms, 1 kHz, 0.08% THD, 2 Channels Driven, FTC)
	250 W/Ch (6 Ohms, 1 kHz, 10% THD, 1 Channel Driven)
<b>Dynamic Power</b>	
	320 W (3 Ohms, Front)
	270 W (4 Ohms, Front)
	160 W (8 Ohms, Front)
<b>THD+N (Total Harmonic Distortion + Noise)</b>	
	0.04% (1 kHz, 100 W, 8 Ohms)
<b>Input Sensitivity and Impedance</b>	
	200 mV/82 k-ohms (Line)
	3.5 mV/47 k-ohms (Phono MM)
<b>Rated RCA Output Level and Impedance</b>	
	1 V/330 Ohms (Pre Out)
	1 V/330 Ohms (Subwoofer Pre Out)
	200 mV/1.2 k-ohms (Zone Line Out)
	2 V/1.2 k-ohms (Zone Pre Out)
<b>Phono Overload</b>	
	70 mV (MM, 1 kHz, 0.5%)
<b>Tone Control</b>	
	±10 dB, 100 Hz (Bass)
	±10 dB, 10 kHz (Treble)
<b>Signal-to-Noise Ratio</b>	
	107 dB (Line, IHF-A)
	90 dB (Phono MM, IHF-A)
<b>Speaker Impedance</b>	
	4 Ohms–16 Ohms
Video Section	
<b>Input Sensitivity/Output Level and Impedance</b>	
Video	1.0 Vp–p/75 Ohms (Component Y)
	0.7 Vp–p/75 Ohms (Component Pb/Cb, Pr/CR)
	1.0 Vp–p/75 Ohms (Composite)
Tuner Section	
<b>Tuning Frequency Range</b>	
FM	87.5 MHz–107.9 MHz
AM	530 kHz–1,710 kHz
FM/AM Preset Memory	40 Stations
General	
Power Supply	AC 120 V~ , 60 Hz
Power Consumption	310 W
Standby Power Consumption	0.1 W
No-Sound Power Consumption	80 W
Dimensions (W x H x D)	17 1/8" x 7 1/16" x 17 13/16" (435 x 201 x 453 mm)
Weight	35.9 lbs. (16.3 kg)
UPC CODE	
(B)	889951001089
CARTON	
Dimensions (W x H x D)	22 1/4" x 12 1/16" x 21 1/16" (565 x 325 x 547 mm)
Weight	41.9 lbs. (19.0 kg)
Supplied Accessories	
• Power cord • Indoor FM antenna • AM loop antenna	
• Speaker setup microphone • Quick Start Guide • Basic manual	
• Remote controller • AAA (R03) batteries x 2	
Optional Accessories	
• Rack-mounting kit (IRK-180-4C)	



Text on receiver may vary with region.

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