# TX-RZ710 7.2-Channel Network A/V Receiver

Just bought a big 4K TV? Here’s big sound to go with it. THX® Certified for Cinema Reference Volume, the TX-RZ710 has a premium RZ build with non-phase-shift amps, huge capacitors, and high-output transformer that pull every drop of emotion from object-based soundtracks, which are precisely phase-aligned with new AccuReflex calibration technology. Music blooms with vibrant energy thanks to high-current amp, massive high power transformer for high current delivery and precise speaker driver control, and bi-amping capability for front channels. AccuEQ Room Calibration featuring AccuReflex Technology and THX® Select2™ Cinema Reference Certification will give you the best possible experience from your media and giving easy access across the home, the TX-RZ710 will make daily entertainment an event to look forward to.

**HIGHLIGHTS**
- Custom RZ Grade Amplification System with Upgraded Parts
- THX® Select2™ Cinema Reference Certification
- DTS:X™ and Dolby Atmos® up to 5.1.2 Channels
- AccuEQ Room Calibration with AccuReflex Technology
- FireConnect™ Multi-Room Wireless Technology
- Wireless Audio Streaming with Google Cast, AirPlay, Wi-Fi®, and Bluetooth
- HDMI® 8 In with Zone 1 and Zone 2 Out (HDCP 2.2 / HDR)**
- Upgraded Parts
- Custom RZ Grade Amplification System with Bi-Amping Capability for Front Channels
- AccuEQ Room Calibration Featuring AccuReflex Technology for Seamless Object-based Sound from Compatible Speakers
- Wireless Digital and Analog Audio Transmission to Optional Wireless Speaker via FireConnect™ Technology
- AccuEQ Room Calibration Featuring AccuReflex Technology for Seamless Object-based Sound from Compatible Speakers
- THX® Select2™ Cinema Reference Certification
- HDMI Support for 4K/60 Hz, 3D Audio Return Channel, DeepColor™, x.v.Color™, LipSync, Dolby Atmos®, Dolby® TrueHD, DTS:X™, DTS-HD Master Audio™, DSD Audio, Super Audio CD, Multichannel PCM, and CEC
- Dolby® TrueHD and DTS-HD Master Audio® Decoding
- AK4458 384 kHz/32-bit DAC (8 Channels x 1)
- 3D-Axis Digital Signal Processing Engines
- 4 DSP Modes for Gaming, Rock, Sports, Action, and RPG
- Theater-Dimensional Virtual Surround Function
- Direct Mode
- Double Bass Function

**ADVANCED FEATURES**
- THX® Select2™ Cinema Reference Certification
- DTS-X™ and Dolby Atmos® Object-based Sound Decoding
- 4K/60 Hz-Capable 4:4:4 HDMI® Terminals with HDCP 2.2 and HDR for Next-Generation UltraHD and Full HD Video Content
- Zone 2 HDMI Output for 4K/60 Hz Video in Another Room
- Google Cast, AirPlay, Wi-Fi®, and Bluetooth® Specification Version 4.1
- HDMI Support for 4K/60 Hz, 3D Audio Return Channel, DeepColor™, x.v.Color™, LipSync, Dolby Atmos®, Dolby® TrueHD, DTS:X™, DTS-HD Master Audio™, DSD Audio, Super Audio CD, Multichannel PCM, and CEC
- Zone 2 HDMI Output for 4K/60 Hz Video in Another Room
- Control and Stream with Free Onkyo Remote Streaming Apps for iPod touch/iPhone*3 and Android™ Devices*4

**PROCESSING FEATURES**
- 175 W/Ch (6 Ω, 1 kHz, 1% THD, 1 Channel Driven, IEC); 185 W/Ch (6 Ω, 1 kHz, 10% THD, 1 Channel Driven, JEITA)
- Discrete RZ Grade Non-Phase-Shifting Amplifier Circuits for Accurate Speaker Driver Control
- Graphical Overlaid On-Screen Display (OSD) via HDMI with A/V Sync Control (Up to 500 ms in 5 ms Steps at 48 kHz)
- Hybrid Standby Function with HDMI Pass-through
- Tone Control (Bass/Treble) for Front L/R Channels
- 3-Mode Display Dimmer (Normal/Dim/Dimmer)
- 40 IPv4/IPv6 Function Presets
- Firmware Updates via Ethernet and USB
- Hybrid Standby Function with HDMI Pass-through
- Tone Control (Bass/Treble) for Front L/R Channels
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**AMPLIFIER FEATURES**
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**CONNECTION FEATURES**
- 8 HDMI Inputs (1 Front / 7 Rear) and 2 Outputs
- USB 2.0 Port with Mass Storage Class USB Memory Playback
- 2 Component Inputs and 2 Composite Video Inputs
- 3 Digital Audio Inputs (2 Optical and 1 Coaxial)
- 8 Analog Audio Inputs (1 Front/7 Rear)
- Phono Input for Turntable Connection
- 2 Parallel Subwoofer Pre-Outs
- Location-Numbered Speaker Terminals

**OTHER FEATURES**
- Crossover Adjustment for Each Channel (40/50/60/70/80/90/100/120/150/180/200 Hz)
- PLL (Phase Locked Loop) Jitter-Cleaning Circuit Technology for High Current Delivery and Precise Speaker Driver Control
- VLSC™ D/A Conversion Enhancement Delivers Supreme Clarity
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* Firmware updates / ** optional Onkyo wireless speaker required
TX-RZ710 7.2-Channel Network A/V Receiver

What is the RZ Series? Our premium RZ series audio-video receivers deliver a significant boost to the dynamics detail, and accuracy of music and movie soundtracks for a listening experience that packs stunning emotional impact. Upgraded components, such as the massive transformer and custom capacitors, provide high instantaneous current for lightning-fast transient response and a frequency range that extends down to 5 Hz. Discrete amp circuits prevent phase shifting, clearly focusing the audio image and cutting distortion even at floor-shaking volumes. It’s a serious build if you’re serious about sound.

Dynamic Audio Amplification for Thrilling Sound

Dynamic Audio Amplification lets music live and breathe thanks to accurate, noise-free signal processing and hi-current power that dynamically controls your speakers, producing rich and authentic sound that fills you with emotion.

THX®-Certified for Cinema Reference Sound

THX® certification guarantees the same high volume and low distortion levels you experience in a commercial cinema in your listening room. THX® Select2 Plus is recommended for screen-to-seat viewing distances of 3–4 m. To achieve THX® certification, amplifiers must undergo a barrage of the industry’s toughest independent bench testing to satisfy THX® requirements.

Experience DTS:X™ and Dolby Atmos®

Make object-based Dolby Atmos® and DTS:X™ surround-sound reality in your living room. Sound flows naturally above and around in three dimensions with discrete effects—such as birdcalls, rain, or the sound of a helicopter—originating from overhead. In fact, every element in an “object-based” soundtrack is mixed separately so it’s free to travel from speaker to speaker with lifelike realism. *Firmware update required

FireConnect™ Multi-room Audio

A firmware update enables any audio source connected to the receiver—from vinyl to streaming audio—to be sent wirelessly via FireConnect™ to an optional speaker* placed anywhere in your home. Stable, fast, and easy to control with a mobile, it’s the smart way to set audio free.

Go Wireless with Google Cast, AirPlay, Wi-Fi®, and Bluetooth

Google Cast and AirPlay free your music from your smartphone. You can stream audio from compatible applications to your home cinema, or stream virtually any mobile or PC audio via Bluetooth® technology. Available internet music and subscription services include Pandora, Spotify, and more.

Latest Spec HDMI®, with Zone 2 Video

Select HDMI terminals support 4K60 Hz video, HDCP 2.2 copy protection, and next-generation UltraHD streaming and broadcasting.

Power LED lighting

FireConnect™ by Blackfire

Enjoy seamless audio streaming from your home cinema, or stream virtually any smartphone. You can stream audio from compatible applications, and enjoy AV sources connected to the receiver in another room.

Powered Zone 2 for Audio in a Second Room

If you choose, Powered Zone 2 capability can bring audio to a second room connected to the receiver. Now with a dedicated Zone 2 DAC, you can share Digital Audio input sources such as Spotify or Internet podcasts.

SPECIFICATIONS

Amplifier Section

Power Output
All Channels 175 W/CH (6 Ω, 1 kHz, 1% THD)
1 Channel Drive (EC) 185 W/CH (6 Ω, 10% THD)
Dynamic Power 350 W (3 Ω, Front)
250 W (3 Ω, Front)
185 W (8 Ω, Front)
THD+N (Total Harmonic Distortion + Noise) 0.04% (20 Hz–20 kHz, Half Power)
Input Sensitivity and Impedance 200 mV/47 kΩ (Line)
3.5 mV/47 kΩ (Phone MM)
Rated RCA Output Level and Impedance 200 mV/47 kΩ (Line Out)
150 mV/47 kΩ (Subwoofer Pre Out)
Frequency Response 100 Hz–20 kHz ±3 dB
(TerahermPure Audio)
Tone Control ±10 dB, 95 Hz (Bass)
±10 dB, 7.5 kHz (Treble)
Signal-to-Noise Ratio 106 dB (Line, IHF-A)
80 dB (Phone)
Stereo Power Consumption 0.08% (20 Hz–20 kHz, Half Power)

Video Section

Input Sensitivity/Output Level and Impedance
Video 1.0 Vp–p/75 Ω (Component Y)
0.7 Vp–p/75 Ω (Component PB/CB, PR/CR)
Frequency Response 1.0 Vp–p/75 Ω (Component Y)
1 V/470 Ω (Subwoofer Pre Out)
Speaker Impedance 106 dB (Line, IHF-A)

Tuner Section

Tuning Frequency Range
FM 87.5 MHz–108 MHz
AM 522 kHz–1,611 kHz
530 kHz–1,70 kHz
530 kHz–1,911 kHz (Taiwan Model)

FPWM Preset Memory
80 Stations

General

Power Supply AC 220~240 V, 50/60 Hz
AC 120V–60 Hz (Taiwan Model)
Power Consumption 600W
Stability Power Consumption 0.15 W
0.1 W (Taiwan Model)

Dimensions (W x H x D) 395 x 177 x 378 mm
Weighs 105 kg

CARTON

Dimensions (W x H x D) 570 x 268 x 468 mm
Weighs 105 kg

Supplied Accessories

• Indoor FM antenna
• AM loop antenna
• Speaker set-up microphones
• Instruction manual
• Remote controller
• AAA (R03) batteries x 2

*Unavailable at press time. Release date TBA. Firmware update required.

Test an receiver may vary with region.

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