Monumental Sound & Vision Delivered Without Compromise

Upgrades to the TX-RZ820 Network A/V Receiver—our THX® Certified Select™ 7.2-channel flagship—result in genuinely spectacular sonic performance. Dynamic Audio Amplification delivers instantaneous high-current power to full-scale speakers for thrilling energy and lifelike transient response across a wide 5 Hz–100 kHz spectrum. VLSC™ on all channels and non-phase-shift circuitry clarify details floating in three-dimensional space. Multi-room network and analog audio, including streaming over Chromecast built-in and DTS Play-Fi®, are served to NCP-302 wireless speakers via FireConnect™ powered by Blackfire. Powered and pre-/line audio distribution adds app-controllable audio in up to three zones simultaneously. Decoding Dolby Atmos® and DTS:X™, the receiver also supports Dolby Vision®, HDR10, HLG (Hybrid Log-Gamma), and BT.2020 video pass-through, and is set up for custom installs. Simply, it’s the no-compromises 7.2-channel powerhouse you’ve been waiting for.

ADVANCED FEATURES

- THX Certified Select™ Reference Sound
- Dynamic Audio Amplification with 180 WCH, 5 Hz–100 Hz Power Output
- Supports 5.2.2-Channel Dolby Atmos® and DTS:X™ Playback
- 7 HDMI Inputs (1 Front) / Main Out/Zone 2 Out
- Dolby Vision®, HDR10, HLG (Hybrid Log-Gamma), and BT.2020 Video Pass-through and HDCP 2.2
- Ready for Chromecast built-in and DTS Play-Fi®
- 5 GHz/2.4 GHz Wi-Fi, AirPlay, Spotify®, Tidal, Deezer, Pandora®, TuneIn®
- FireConnect™ Wireless Multi-room Audio, Powered Zone 2, Zone 2 Pre/Line Outs, and 7.2-Channel Pre-Outs

HIGHLIGHTS

- Powered Zone 2 Speaker Outputs and Zone 2/3 Pre-Line Outputs with Dedicated DAC, Supporting Network, S/PDIF, HDMI, and Analog Audio
- 7.2-Channel Pre-Outs, 12 V Trigger-Out, and IR Input
- Bluetooth Wireless Technology for Mobiles, Laptops, and PCs (Version 4.1 + LE, Profile: A2DP v1.2, AVRCP v1.3)
- Supports from L/R Channel B-Ampling in 5.2-Ch Speaker Layout
- Advanced Music Optimizer Improves Compressed Digital Audio Quality, including Bluetooth Audio
- 460-Bit-deinterfacing (680 x 460) for Legacy Video Formats

AMPLIFIER FEATURES

- 180 WCH (6.0, 1 kHz, 1% THD, 1 Channel Driven, IEC)
- Dynamic Audio Amplification System with 5 Hz–100 kHz Frequency Response
- H.C.P.S. (High Current Power Supply) EL Transformer
- VLSC™ (Vector Linear Shaping Circuitry) Noise-fighting Technology for All Channels
- Optimum Gain Volume Circuitry
- Non-Phase-Shift Amplification Circuitry for Clarity and Detail
- Discrete Output Stage Circuitry for Low Distortion

PROCESSING FEATURES

- Dolby Atmos and DTS:X Reproduction (5.2.2 Channels)
- HDMI Support for 4K60 Hz, HDR10, HLG, Dolby Vision, 3D, Audio Return Channel (ARC), DeepColor™, x.v.Color™, LipSync, Dolby Atmos, Dolby TrueHD®, DTS:X, DTS-HD Master Audio® DSD, DVD-Audio, Super Audio CD, (SACD), Multichannel PCM, and CEC
- AKP (AK4568) 384 kHz/32-bit Multichannel DAC
- PLL (Phase-Locked Loop) jitter-Cleaning Circuit Technology for SPDIF Audio
- 32-bit Digital Signal Processing
- THX Listening Modes for Movies, Music, and Games
- DSP Modes for Gaming, Rock, Sports, Action, and RPG
- Theater-Dimensional Virtual Surround Function
- Direct Mode for Audio Reproduction Close to Original Source Quality
- from L/R tone Controls (Bass/Treble) and Independent Zone 2 and Zone 3 Tone, Balance, and Volume Controls

CONNECTION FEATURES

- 7 HDMI Inputs (6 Rear, 1 Front), Main Out, and Zone 2 Output
- Powered USB Port (5 V, 1 A) for Audio Playback
- 2 Component Video Inputs
- 2 Component Video Outputs
- 3 Digital Audio Inputs (2 Optical and 1 Coaxial)
- 6 Analog Audio Inputs
- Phono Input (MM) and Equalizer for Turntable
- 3 Subwoofer Pre-Outs
- LAN Input with IP Control Support for Home Automation Systems and Setup via a Connected PC
- RS-232 Serial Input for External Control Commands
- 12 V Trigger Out (Max, 100 mA) for External Component Control Integration
- IR Input for Remote Control
- 6.3 mm Headphone Jack (Front)
- Speaker Posts with Screw Knobs

OTHER FEATURES

- Aluminum Front Panel, Volume Control, and Flip Door
- Crossover Adjustment for Each Channel (50Hz/100Hz/200Hz/400Hz/800Hz)
- AV Sync Control (Up to 500 ms in 5 ms Steps at 48 kHz)
- Graphical User Interface with On-screen Display (OSD) via HDMI
- Quick Setup Guide via GUI and Easy Connection Diagram on Rear Panel
- Economical HDMI Pass-through and Network Standby Functions
- 3-Mode Display Dimmer (Normal/Dim/Dimmer)
- 40 PHONES and AM/PM Random Presets
- RS-232 Serial Port (Optional)
- Full-sized Simple Remote Control

*1 HDMI Full input/output does not support MHL/ARC/4K60 Hz video to HDR10, Dolby Vision, AEC, or BT.2020. *2 Requires a future firmware update. *3 Pandora® available in Australia and New Zealand only. *4 Availability of wireless may vary with region. Please confirm before purchase. *5 Requires a future firmware update. *6 AirPlay 2 and AirPlay supports: litre, check Apple Store at Google Play® for device and OS requirements. *7 DTS does not support some wireless L奴. *8 Dolby TrueAudio playback via USB input only. *9 Streaming audio from external Dolby Vision input network is not supported and is enabled with a future firmware update. *10 Audio distribution via S/PDIF or HDMI is not supported in Zone 3.
TX-RZ820 7.2-Channel Network A/V Receiver

Introducing the RZ Series
Our premium RZ Series A/V receivers deliver a significant boost to the dynamics, detail, and accuracy of music and movie soundtracks for a listening experience that packs deep emotional impact. The TX-RZ820 features quality components, such as large custom capacitors, to provide high instantaneous current for fast transients and wideband frequency response down to 5 Hz. Discrete non-phase-shift amp circuits carefully focus the audio image and cut distortion even at floor-shaking volumes.

THX® Certified Select™ Reference Sound
THX Certified Select guarantees the same high-volume sound you experience at a commercial cinema in your home. To gain certification, amplifiers must pass the industry’s most rigorous volume tests covering every aspect of audio performance. THX Certified Select Series units are ideally suited to rooms where the screen-to-seat viewing distance is approximately 3 meters, and the room volume is approximately 57 cubic meters.

Unleash Dolby Atmos® or DTS-X™ Home Cinema
Object-based soundtracks allow independently mixed sound to play through any speaker in your system, moving around and above you with breathtaking realism. The TX-RZ820 reproduces 5.2.2-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 Neual: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-RZ820 with ease. Control playback with Chromecast-enabled apps, and Voice control your receiver through Chromecast built-in™ on your Google device.

Stream Anything with DTS Play-Fi®
DTS Play-Fi is a protocol that works with any audio app on mobiles and PCs. Pick whatever’s playing to the receiver, even from different sources to different components at the same time.

Note: Streaming audio from external inputs depends on the model and is enabled with a future firmware update. Sampling rates of 44.1 kHz and 48 kHz are supported.

FireConnect™ Wireless Multi-room Audio
FireConnect™ mirrors network audio and external analog sources connected to a master component—from streaming services to vinyl records—on FireConnect™-compatible speakers in other rooms. Music selection, speaker grouping, and playback management across the home are built into Onkyo Controller app for iOS and Android.

SPECIFICATIONS
Amplifier Section

Power Output
All Channels 180 W/Ch (6 Ω, 1 kHz, THD, 1 Channel Drive, IR)
Dynamic Power 300 W (3 Ω, Front)
250 W (6 Ω, Front)
150 W (8 Ω, Front)

THD+N (Total Harmonic Distortion + Noise) 0.08% (20 Hz–20 kHz, Half Power)

Input Sensitivity and Impedance
Line 450 mV/47 kΩ (Phono)

Input Mode
Pre Out

Frequency Response
10 Hz–100 kHz (1 kHz, 0 dB, 3 dB (Direct Mode))

Tone Control
±10 dB, 60 Hz (Band)
±10 dB, 7.5 kHz (Treble)

Signal-to-Noise Ratio
106 dB (Line, IR-Φ, A-weighted)

Speaker Impedance
4Ω–16Ω

Video Section

Input Sensitivity/Output Level and Impedance
Video 1.0 Vp–p/75 Ω (Component PB/CB, PR/CR)

Vide of Line (100 mV/470 Ω (Subwoofer Pre Out))

Input Sensitivity and Impedance
Line 200 mV/47 kΩ (Line)
3.5 mV/47 kΩ (Phono)

Rated RCA Output Level and Impedance
200 mV/470 Ω (Composite)

THD+N (Total Harmonic Distortion + Noise)
1% (1 kHz, 10% THD)

Dynamic Range
90 dB

Slew Rate Power Consumption
450 W

No-Sound Power Consumption
60 W

Sensitivity Power Consumption
70 W

Dimensions (W x H x D)
135 x 315 x 395 mm

Weight
41.6 kg

CARTON
Dimensions (W x H x D)
310 x 303 x 490 mm
Weight
17.9 kg

Supplied Accessories

Power cord • Indoor FM antenna • B450 stem antenna • Speaker setup microphone • Quick Start Guide • Basic manual • Remote controller • AAA (R03) batteries x 2

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