

TX-RZ630 9.2-Channel Network A/V Receiver

RZ
 SERIES


The high-current A/V hub that makes life better

The TX-RZ630 adds fully immersive 5.2.4-channel DTS:X[®] or Dolby Atmos[®] object-based surround-sound to stunning 4K HDR video on your compatible display. A muscular hub for whole-home entertainment, it can power speakers in Main, Zone 2, and Zone 3, and share audio to any supported hi-fi system via wireless platforms including Chromecast built-in, DTS Play-Fi[®] technology, or FlareConnect[™]. You can also stream content over AirPlay, Wi-Fi[®], or Bluetooth[®] wireless technology. Dynamic Audio Amplification has upgraded parts for earthquake bass and flawless treble: check out the 5 Hz–100 kHz frequency response. The amp's blistering dynamics, high current, and nuanced voicing gets more from music, be it a vinyl record, Hi-Res Audio album, or mix of sources playing around the house. The receiver also includes AccuEQ Advance room-acoustic calibration with AccuReflex[™] for a cohesive theater-room soundstage.

HIGHLIGHTS

- Supports 5.2.4-ch Dolby Atmos[®] and DTS:X[®] playback
- 215 W per channel
- HDMI[®] 7 in (1 Front¹), Main Out, and Sub/Zone 2 Out² supporting 4K/60 Hz, HDR10, HLG, Dolby Vision[™], BT.2020, and HDCP 2.2 pass-through
- Dynamic Audio Amplification with 5 Hz–100 kHz reproduction
- Chromecast built-in
- Works with the Google Assistant
- 5 GHz/2.4 GHz Wi-Fi[®], FlareConnect[™], DTS Play-Fi[®] technology, AirPlay, Amazon Music, Spotify, TIDAL, Deezer, Pandora[®], TuneIn³

ADVANCED FEATURES

- HDMI supports HDR10, HLG, Dolby Vision, BT.2020, and 4K/60 Hz pass-through and HDCP 2.2
- Dolby Atmos and DTS:X playback through 5.2.4 or 7.2.2 channels
- Cross-compatible 3D upmixing for Dolby[®] and DTS[®] soundtracks with Dolby Surround and DTS Neural:X[™] solutions
- AccuEQ Advance room-acoustic calibration with standing wave correction
- AccuReflex[™] phase alignment for Dolby Atmos-enabled speakers
- Stable 5 GHz/2.4 GHz Wi-Fi connectivity
- Onkyo Controller app⁴ for easy multi-room operation
- Audio streaming with Chromecast built-in and voice control through devices with the Google Assistant built-in
- DTS Play-Fi multi-room audio distribution technology via Onkyo Music Control App⁴
- Supports audio streaming from iPad, iPhone, Mac, and iTunes via AirPlay
- Amazon Music, Spotify, TIDAL, Pandora, and Deezer music streaming services and TuneIn internet radio
- FlareConnect multi-room audio distribution to compatible components

- Hi-Res Audio playback including DSD 5.6 MHz/2.8 MHz⁵, 192 kHz/24-bit FLAC⁶, WAV (RIFF)⁶, AIFF, ALAC⁶, and Dolby[®] TrueHD^{8,7}
- Powered ZONE 2 and powered ZONE 3 speaker outputs, Zone 2 line-level output with DAC supporting digital⁹ and analog audio playback
- Bluetooth[®] wireless audio technology for mobile, laptop, and PC (Version 4.1 + LE, Profile: A2DP v1.2, AVRCP v1.3)
- Advanced Music Optimizer improves compressed digital audio quality (Bluetooth audio included)
- Built-in low-noise phono pre-amp for Moving Magnet (MM) cartridges
- Supports Front L/R bi-amping
- 480i de-interlacing (480i to 480p) via HDMI for legacy video formats

AMPLIFICATION FEATURES

- 215 W/Ch (6 ohms, 1 kHz, 10% THD, 1 channel driven); 90 W/Ch (8 ohms, 20 Hz–20 kHz, 0.08% THD, 2 channels driven, FTC)
- Dynamic Audio Amplification with 5 Hz–100 kHz reproduction
- High-current power to drive large speakers with 4-ohm resistance
- H.C.P.S. (High Current Power Supply) customized transformer
- Custom block capacitors for instantaneous power
- VLSC[™] (Vector Linear Shaping Circuitry) high-frequency noise removal technology (Front L/R channels)
- Non-phase-shift amplification circuitry for a clear and cohesive audio image
- Discrete output stage circuitry for low distortion

PROCESSING FEATURES

- Dolby Atmos and DTS:X reproduction through 5.2.4 or 7.2.2 channels
- HDMI support for 4K/60 Hz, HDR10, HLG, Dolby Vision, 3D, Audio Return Channel, DeepColor[™], x.v.Color[™], LipSync, Dolby Atmos, Dolby TrueHD, DTS:X, DTS-HD[®] Master Audio[™], DSD, DVD-Audio, Super Audio CD (SACD), multichannel PCM1, and CEC
- Precision AKM (AK4458) 384 kHz/32-bit multichannel DAC
- PLL (Phase Locked Loop) jitter-reduction technology for S/PDIF audio
- 32-bit Digital Signal Processing (DSP)

- Listening modes for gaming (Rock, Sports, Action, and RPG)
- Theater-Dimensional virtual surround-sound function
- Direct Mode for audio reproduction close to original source quality
- Independent tone controls (bass/treble) for all channels

CONNECTION FEATURES

- 7 HDMI inputs (1 Front), Main Out, and Sub/Zone 2 Out
- Powered USB terminal (5 V, 1 A) for audio playback (rear)
- 2 composite video inputs and 2 component video inputs
- 3 digital audio inputs (2 optical and 1 coaxial)
- 6 analog audio inputs, 1 stereo 1/8" (3.5 mm) analog input (front)
- Phono input (MM) and equalizer for turntable connection
- 2 subwoofer pre-outs
- 1/4" (6.35 mm) headphone jack (front)
- Speaker setup mic input (front)
- Banana-plug-compatible speaker posts
- 12 V trigger output, IR input, IP control, and RS232 support
- Detachable power cable

OTHER FEATURES

- 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 User Interface with overlaid On-Screen Display via HDMI
- Quick Setup Guide via GUI
- Economical HDMI pass-through and Network Standby functions
- 3-mode display dimmer (Normal/Dim/Dimmer)
- 40 FM/AM random presets
- Simple remote control
- Rack-mounting kit (optional IRK-155-3D)

¹ Front HDMI input does not support ARC or CEC. ² Sub/Zone 2 HDMI does not support ARC or CEC. ³ Availability of services may vary with region. Subscription may also be required. ⁴ Visit App Store or the Google Play Store to check device and OS requirements and download free. ⁵ Converted to PCM. Playback not guaranteed via wireless LAN. ⁶ Playback not guaranteed via wireless LAN. Supported sampling rate via wireless LAN depends on network environment. ⁷ Playback not guaranteed via wireless LAN. ⁸ Audio via HDMI inputs and S/PDIF audio not supported in Zone 3.

TX-RZ630 9.2-Channel current Network A/V Receiver

Introducing the premium Onkyo RZ Series

Our RZ Series takes performance and build quality to the next level for a reference-level experience. Custom high-current transformer, block capacitors, and other upgraded parts deliver 5 Hz–100 kHz frequency response for wall-shaking bass, clean treble, and fast dynamics. RZ Series supports a variety of home theater and multi-room layouts to suit you, while details such as 12 V trigger, RS-232C, IP Control, and IR input make home integration easy.



Dynamic Audio Amplification

The design philosophy behind Dynamic Audio Amplification places less emphasis on lab measurements and more on how the sound feels in real life. Unique high-current architecture and expert tuning deliver natural transient response, the key to lifelike sound. This deep reserve of power arrives instantly when action explodes on screen, adding pure adrenaline to the film experience. Control is maintained with custom transformer and huge block capacitors, non-phase-shift amp circuitry, and discrete output transistors. Rated to drive nine four-ohm speakers simultaneously, and with patented VLSC™ digital noise filtering (Front L/R) for source-faithful clarity, DAA has muscle and sensitivity for emotionally compelling sound.

Dolby Atmos® and DTS:X® without compromise

Experience Dolby Atmos and DTS:X soundtracks as they were meant to be felt, with complete coverage assured through 5.2.4 or 7.2.2-ch speaker layouts. Individual sounds aren't tied to a specific channel and move in space above and around your audience with lifelike realism.



Dolby® and DTS® solutions for 3D sound

DTS Neural:X™ technology and Dolby Surround find spatial cues in legacy soundtracks and upmix for playback through speaker systems with height channels. Cross-compatible with popular sound formats from Dolby® and DTS®, you can enjoy seamless front-to-back, side-to-side, and floor-to-ceiling coverage with your existing DVD and Blu-ray Disc™ library or video streaming service.

Chromecast built-in works with the Google Assistant

Stream any music from your smartphone, laptop, or PC to the receiver with ease. Control playback with Chromecast-enabled apps from your iPhone, iPad, Android™ phone or tablet, Mac or Windows laptop, or Chromebook™. If you have a device with the Google Assistant built-in, you can control music on the TX-RZ630 by voice.



Powered sound in three zones

With a 5.2-ch theater layout in Zone 1 (Main), the remaining four channels can drive speakers in Zone 2 and Zone 3. As well as analog distribution, dedicated DACs enable digital sources* to be synced across rooms simultaneously, or a unique source to be played in every zone at once. Zone 2 line-level output is ideal for sharing sources to an existing hi-fi system. * Audio via HDMI inputs and SPDIF audio not supported in Zone 3.

AccuEQ Advance for Accurate Calibration

AccuEQ sets speaker distance, SP level, and crossover. In addition, AccuEQ Advance employs multi-point

measurement to remove standing waves from your listening space, which compromise audio quality and bass response. The technology also detects and compensates for background noise, such as the hum from an HVAC, to ensure accurate equalization.



Ready for DTS Play-Fi® multi-room audio technology

DTS Play-Fi technology allows you to enjoy quality music from online services, media server, and mobile device to any number of compatible products using Onkyo Music Control App. DTS Play-Fi technology can synchronize music in every room, and family members can use their own device to listen in a room or group of rooms.



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.



Note: For external input availability visit <http://www.onkyo.com/flareconnect>. Download Onkyo Controller free from the App Store or Google Play.

Wi-Fi® and Bluetooth® wireless connectivity

Built-in 5 GHz/2.4 GHz Wi-Fi provides network stability for streaming, Onkyo Controller app, and multi-room audio. Bluetooth wireless technology is also on board for easy mobile or laptop connection.

Manage playback with Onkyo Controller

Onkyo Controller app collects streaming services and network-attached audio into one interface. Select sources, control playback, and distribute audio.



AirPlay, streaming services, and internet radio built in

Music lovers have easy access to their iTunes library. Find and stream music from iPad, iPhone, Mac, and PC over the Apple AirPlay wireless audio platform. Further, Amazon Music, Spotify, TIDAL, Deezer, Pandora®, and TuneIn are all baked into the system GUI, making selection easy using Onkyo Controller or Onkyo Music Control App.

Supports 4K HDR, BT.2020, 4K/60 Hz, and HDCP 2.2

Welcome film-like 4K video bursting with the vibrant colors enabled by High Dynamic Range (HDR) to your supported TV display or projector. The receiver's HDMI® inputs, Main Out, and Sub/Zone 2 Out pass HDR10, HLG, and Dolby Vision™ formats through to compatible displays. These terminals support the BT.2020 4K video standard, 4K/60 Hz playback, and HDCP 2.2.



HDCP 2.2

HDR10, HLG, BT. 2020

SPECIFICATIONS

Amplifier Section

Power output	
All channels	215 W/Ch (6 ohms, 1 kHz, 10% THD, 1 channel driven)
	90 W/Ch (8 ohms, 20 Hz–20 kHz, 0.08% THD, 2 channels driven, FTC)
Dynamic power	
	240 W (3 ohms, Front)
	210 W (4 ohms, Front)
	120 W (8 ohms, Front)
THD+N (Total Harmonic Distortion + Noise)	
	0.08% (20 Hz–20 kHz, half power)
Input sensitivity and impedance	
	200 mV/47 k-ohms (Line)
	3.5 mV/47 k-ohms (Phono)
Rated RCA output level and impedance	
	1 V/470 ohms (Subwoofer pre-out)
	1 V/2.3 k-ohms (Zone pre-out)
	1 V/200 mV/470 ohms (Zone pre/line-out)
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, IIF-A)
	80 dB (Phono, IIF-A)

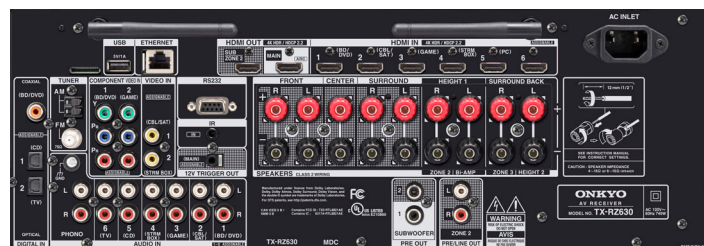
Input sensitivity and impedance

Video Section	
Input sensitivity/output level and impedance	
Video	1.0 Vp–p/75 ohms (Component Y)
	0.7 Vp–p/75 ohms (Component B/R)
	1.0 Vp–p/75 ohms (Composite)
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 120 V~, 60 Hz
Power consumption	740 W
No-sound power consumption	70 W
Standby power consumption	0.15 W
Dimensions (W x H x D)	17 1/8" x 6 13/16" x 14 15/16"
	(435 x 177 x 379.5 mm)
Weight	22.5 lbs. (10.2 kg)

UPC CODE	
(B)	889951001263
CARTON	
Dimensions (W x H x D)	22 7/16" x 11 3/16" x 18 7/16"
	(570 x 288 x 468 mm)
Weight	28.7 lbs. (13.0 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	



Text on receiver may vary with region.

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