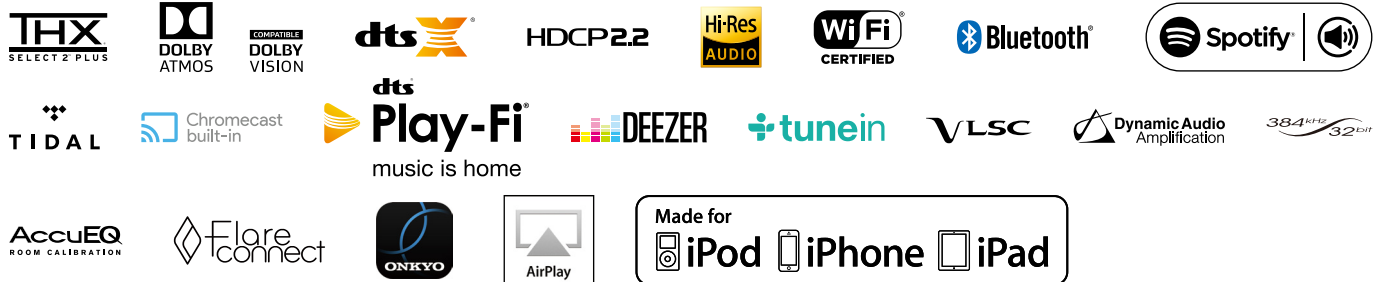


TX-RZ3100 11.2-Channel Network A/V Receiver

BLACK | SILVER

RZ
SERIES



For Multidimensional Sound Without Compromise

Our flagship A/V receiver's fathomless high-current power and lightning dynamic performance make it the ultimate in 7.2.4-channel home cinema. Match with floorstanding speakers and in-ceiling height speakers for accurate, lush, and exuberant sound that transports your audience into the film director's world. As well as transcendent cinema and stereo music, the TX-RZ3100 serves entertainment around your home with wired or wireless multi-zone audio, Zone 2 HDMI®, and network audio platforms including Chromecast built-in®, FlareConnect™, and DTS Play-Fi® that stream music from apps to the home cinema and beyond. Select HDMI terminals enable 4K/60p video with BT.2020, 4:4:4 color space, and HDR (HDR10/Dolby Vision™) pass-through for spectacular images on the latest TVs and projectors. Ready for custom home integration, the TX-RZ3100 is crafted with passion for the passionate listener. * Enabled with a firmware update.

HIGHLIGHTS

- 200 W per Channel
- THX® Select2™ Plus Certification
- DTS:X® and Dolby Atmos® to 7.2.4 Channels
- DTS Neural:X™ Upmixing for Legacy Multichannel Formats
- Chromecast built-in^{*1}, AirPlay, DTS Play-Fi^{®*1}, Wi-Fi®, and Bluetooth® Audio Streaming
- AccuEQ Room Calibration with AccuReflex Technology
- FlareConnect™^{*1} Multi-Room Wireless Technology
- HDMI® 8 In (1 Front), Main Out, Zone 2 Out (HDCP 2.2/HDR Pass-through^{*2})

ADVANCED FEATURES

- THX® Select2™ Plus Cinema-Reference Audio Performance
- 7.2.4-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, BT.2020, HDR (HDR10/Dolby Vision™^{*1}) Pass-through, 4:4:4 Color Space, and HDCP 2.2-protected Video^{*2}
- Chromecast built-in, DTS Play-Fi, AirPlay, Wi-Fi, Bluetooth, TuneIn, Spotify®, TIDAL^{®1}, and Deezer^{®1} Audio Streaming^{*3}
- MP3, WMA, WMA Lossless, FLAC, WAV, AAC, and Apple Lossless Playback Over Network and USB
- Network Hi-Res Audio (DSD 11.2 MHz, 192/24 PCM, Dolby® TrueHD)
- Powered Zone 2 and Powered Zone 3 Outputs for Multi-room Analog and Digital (HDMI/Network/OPT/COAX) Audio with Independent Volume/Tone Controls
- Whole House Mode
- 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 User Setup Customization
- Quality Banana-plug Speaker Posts with Transparent Knobs
- Onkyo Controller^{®*4} App for iOS and Android™ Devices

AMPLIFIER FEATURES

- 200 W/Ch (6 Ω, 1 kHz, 1% THD, 1 Channel Driven, IEC) 340 W/Ch (6 Ω, 1 kHz, 10% THD, 1 Channel Driven, JEITA)
- 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, 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
- Separate 384 kHz/32-bit AK4490 Stereo DAC (Front L/R), 2 x 768 kHz/32-bit AK4458 Multichannel DACs (Surround 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
- Direct Mode and Pure Audio Mode

CONNECTION FEATURES

- 8 HDMI Inputs (1 Front/7 Rear), Main, and Zone 2 Outputs
- Component Video Switching (2 Inputs and 1 Output) and 2 Composite Video Inputs
- 5 Digital Audio Inputs (3 Optical and 2 Coaxial) and 7 Analog Audio Inputs
- Phono Input (MM) for Turntable Connection
- Mass Storage Class USB Memory Playback Capability (Rear Input)
- Zone 2 and Zone 3 Powered Speaker Outputs
- 11.2 Multichannel Pre-Outs and Zone 2/3 Pre-/Line Outs
- Dual Subwoofer Pre-Outs
- 12 V Trigger Out (Assignable) with IR Input; Supports IP and RS232
- 6.3 mm Headphone Input

OTHER FEATURES

- Tone Controls (Bass/Treble) ±10 dB for All Channels
- 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)
- 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
- Simple Remote Control

*1 Enabled with a firmware update. *2 6G Video/HDR/HDCP 2.2 supported on HDMI inputs 1-5, Main Out, and Zone 2 Out. *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 For iOS and Android™ devices. Please check App Store or Google Play for device and OS requirements.

TX-RZ3100 11.2-Channel Network A/V Receiver

Ultimate DTS:X® and Dolby Atmos® Home Cinema

With 11.2 channels of instantaneous power from an uncommonly small body, the TX-RZ3100 enables the current maximum Dolby Atmos and DTS:X home-cinema layout of 7.2.4 channels in a self-contained component for the ultimate in multidimensional object-based surround-sound.



Upmixes Standard Surround Formats

DTS Neural:X™ retrieves spacial cues from standard multichannel formats and upmixes for 3D playback that's virtually identical to a native DTS:X source, giving your existing Blu-ray library a new lease on life.

THX®-Certified for Cinema Reference Sound

THX® Select2™ Plus guarantees distortion-free Cinema Reference Volume in your home. Certified products are subjected to the industry's toughest bench-tests to satisfy THX® requirements for audio performance.

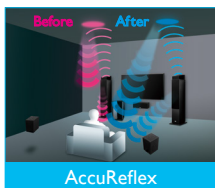
Onkyo High-Current Digital Amplification

The TX-RZ3100 combines high-current driving architecture with sophisticated digital amplification and filtering technology. Noise-reduction hardware including a new custom low-hum transformer delivers fast dynamics, thrilling power, and stunningly precise detail resolution. Painstakingly tuned for velvet-smooth and emotionally evocative audio reproduction, Onkyo High-Current Digital is where power meets control.



Cohesive Multidimensional Sound

AccuReflex—part of the AccuEQ room calibration suite—phase-matches Dolby Atmos-enabled and floor-standing speakers for seamless reproduction of object-based sound. AccuEQ optimizes the entire system to suit your space without affecting front-speaker characteristics for pure stereo listening.



Chromecast built-in*, DTS Play-Fi®, AirPlay, Wi-Fi®, and Bluetooth®

Popular smartphone and PC music apps let you mirror what's playing to your TX-RZ3100 with ease using Chromecast built-in and DTS Play-Fi. The receiver also features AirPlay, Bluetooth, and Wi-Fi for universal wireless audio support, including DSD up to 11.2 MHz. * Enabled with a firmware update.

Spotify®, Deezer, TIDAL, and Tunes

Enjoy the music you want any time on your home cinema via these popular smartphone and PC applications or via Onkyo Controller.

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.

Housewide Playback of Any Source

Put extra speakers you have to good use—connect them to the receiver's Powered Zone 2 and Powered Zone 3 outputs. Dedicated DACs and smartphone control options let you manage content in any zone, making housewide sound a practical proposition.

Latest Dual-Zone HDMI®

Select HDMI terminals support HDR (HDR10/Dolby Vision™) pass-through, 4:4:4 color-space, BT.2020, and HDCP 2.2 for next-generation Ultra HD Blu-ray, streaming 4K video, and 4K/60 Hz PC-based gaming. Zone 2 output transmits 4K home cinema sources to a second TV.

* Enabled with a firmware update.

SPECIFICATIONS

Amplifier Section

Power Output	
All Channels	200 W/Ch (6 Ω, 1 kHz, 1% THD, 1 Channel Driven, IEC) 340 W/Ch (6 Ω, 1 kHz, 10% THD, 1 Channel Driven, JEITA)
Dynamic Power	
	320 W (3 Ω, Front) 270 W (4 Ω, Front) 160 W (8 Ω, Front)
THD+N (Total Harmonic Distortion + Noise)	
	0.04% (1 kHz, 100 W)
Input Sensitivity and Impedance	
	200 mV/82 kΩ (Line) 3.5 mV/47 kΩ (Phono MM)
Rated RCA Output Level and Impedance	
	1.0 V/330 Ω (Pre Out) 1.0 V/330 Ω (Subwoofer Pre Out) 200 mV/1.2 kΩ (Zone Out) 2.0 V/1.2 kΩ (Zone Pre Out)
Phono Overload	
	70 mV (MM, 1 kHz, 0.5%)
Tone Control	
	±10 dB, 100 Hz (Bass) ±10 dB, 10 kHz (Treble)
Signal-to-Noise Ratio	
	108 dB (Line, I/F-A) 90 dB (Phono MM, I/F-A)
Speaker Impedance	
	4 Ω – 16 Ω

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) 1.0 Vp-p/75 Ω (Composite)
Component Video Frequency Response	
	5 Hz–100 MHz/+0 dB, -3 dB

Tuner Section

Tuning Frequency Range	
FM	87.5 MHz–108 MHz 87.5 MHz–107.9 MHz (Taiwan Model)
AM	530 kHz–1,710 kHz 522 kHz–1,611 kHz 522 kHz–1,611 kHz (Taiwan Model)
FM/AM Preset Memory	
	40 Stations

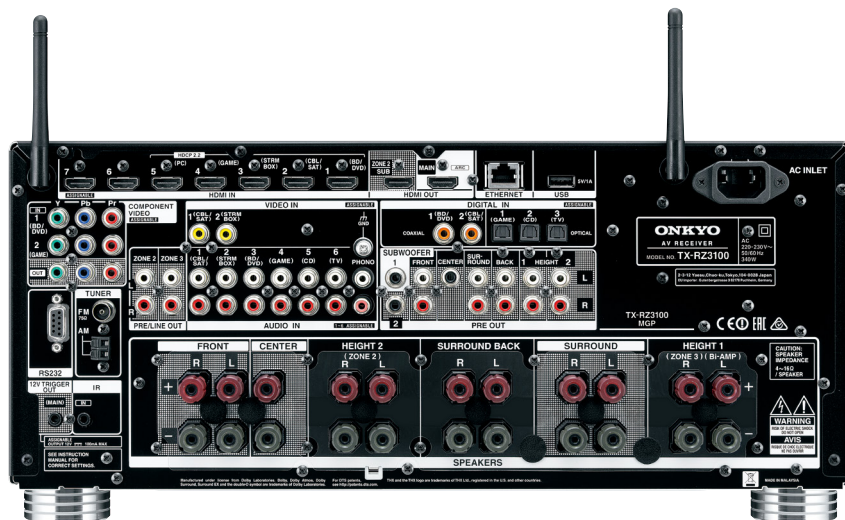
General

Power Supply	
	AC 220–230 V~, 50/60 Hz AC 120 V~, 60 Hz (Taiwan Model)
Power Consumption	
	340 W
Standby Power Consumption	
	0.15 W
Dimensions (W x H x D)	
	435 x 201 x 453 mm
Weight	
	19.7 kg
CARTON	
Dimensions (W x H x D)	
	565 x 325 x 547 mm
Weight	
	22.5 kg

Supplied Accessories

- Indoor FM antenna • AM loop antenna • Speaker setup microphone
- Instruction manual • Remote controller • AA (R6) batteries x 2*

* Batteries not included with Chinese model variants



Text on receiver may vary with region.

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