2019 NEW PRODUCT RELEASE

TX-RZ840 9.2-Channel Network A/V Receiver

Immensely powerful for unparalleled speaker control

A glance at the TX-RZ840’s imposing front panel reveals a component built for one purpose: making your smile wider as the volume goes higher. Its thick chassis is loaded with custom parts tested and tuned to THX® Certified Select™ reference standards, handling massive current flows for sound you feel emotionally and physically. Beyond 3D surround supporting IMAX Enhanced® content up to 11.2 channels, and a finessed touch that breathes life into stereo, the receiver forms a hub for house-wide entertainment with SMART A/V Receiver™ integrating AirPlay 2, Works with Sonos, Chromecast built-in™, and more over 802.11ac Wi-Fi®.

Three-zone powered D/A audio distribution is easily managed from your smartphone. With state-of-the-art connectivity and custom-installation interfaces installed, it’s the TX-RZ840’s visceral presence you’ll find most difficult to resist.

PRODUCT HIGHLIGHTS
• 250 Watts x 7 CH (8 ohms, 1 kHz, 0.08% THD, 4 ohms, 2 channels driven)
• Sound optimization for games (Rock, Sports, Action, and RPG)
• THX® listening modes for movies, music, and games
• IMAX® Mode for IMAX Enhanced content
• Dolby Atmos Height Virtualizer 3D audio processing
• Dolby Surround® and DTS® Neural:X upmixing technology
• Dynamic Audio Amplification with RZ Series Build

AMPLIFIER FEATURES
• 250 W/Ch (6 ohms, 1 kHz, 0.08% THD, 4 ohms, 2 channels driven, FTC)
• USB input (5 V/1 A) for audio playback (rear)
• Redesigned simple remote control
• Multiple audio sources enabled. *15 When set to Zone B, playback of encoded and decoded audio via any input is enabled in Main and Zone B. *16 When set to Zone 2, HDMI audio is available on inputs 1–3. SPDIF and D/A playback over Wi-Fi cannot be guaranteed in all network environments. *12 Supported multi-room audio formats are dependent on region-specific compatibility information. *3 Service availability varies with region and subscriptions may be required. *4 Requires a Sonos Connect (sold separately). *9 Voice control requires a smart speaker featuring Alexa and Google Assistant options. *7 Available free at the App Store and Google Play for iPhone, iPad, and Android phones. *6 Plays DSD audio over USB.
• 3-Mode display dimmer (Normal/Dim/Dimmer)
• 40 PHAT random presets
• ACCuEQ Advance 9-point calibration with AccuReflex™
• Dolby Atmos, DTS:X, Dolby® TrueHD, and DTS-HD Master Audio®
• Sound optimization for games (Rock, Sports, Action, and RPG)
• THX® listening modes for movies, music, and games

CONNECTIONS
• HDMI inputs (1 front, 2 outputs) (Main & Zone B/ZONE)
• 2 component video inputs (assignable)
• 2 digital audio inputs (optical and coaxial, assignables)
• 11 banana-plug-ready screw-type speaker posts (including Zone 2)
• 1 phono input with built-in low-noise MM equalizer for turntable
• 1 phono input with built-in low-noise MM equalizer for turntable
• ZONE 2 supports HDMI/SPDIF*13)

ADVANCED FEATURES
• AccuEQ Advance 9-point calibration with AccuReflex™
• Bluetooth® wireless technology with Wake on Play Standby
• Accurate Tone Control technology
• Works with Sonos, Chromecast built-in™, and more over 802.11ac Wi-Fi®.
• Zone B line-out mode connects audio systems for independent multi-zone operation
• Zone 2 and Zone 3 speaker outputs share D/A audio
• Independent tone controls (bass/treble) for all channels
• PLL (Phase Locked Loop) anti-jitter technology for SPDIF audio
• Pure Audio Mode and Direct Mode for source authentic expression
• Zone 2 and Zone 3 speaker outputs share D/A audio
• Zone 2 (separate) and Zone 3 (shared) speaker outputs
• THX® listening modes for movies, music, and games

NETWORK FEATURES
• SMART A/V Receiver supports multi-room streaming and Onkyo Controller®
• Works with Sonos for the Sonos Home Sound System®
• Impeccable tone control
• 3-Mode display dimmer (Normal/Dim/Dimmer)
• 40 PHAT random presets
• ACCuEQ 9-point calibration with AccuReflex™
• Volume memory-preset for AV inputs via front panel
• IP control, RS-232C, 12 V trigger output, and IR input
• 12 V trigger output (Main, assignable, 100 mA)
• Supports 3.4.1 Dolby Atmos and DTS:X® playback
• 11-2.4 pre-outputs and processing for 7.2.4 layouts
• Dolby Atmos Height Virtualizer™
• 11.2-ch pre-outputs and processing for 7.2.4 layouts
• Dolby Atmos Height Virtualizer™
• DTS® Neural:X upmixing technology
• Dynamic Audio Amplification with RZ Series Build

IMPROVED D/A COMPONENTS
• 15,000 μF high-current smoothing capacitors
• Refined HDMI grounds, SoC board, and power amps
• Redesigned simple remote control
• Multiple audio sources enabled. *15 When set to Zone B, playback of encoded and decoded audio via any input is enabled in Main and Zone B. *16 When set to Zone 2, HDMI audio is available on inputs 1–3. SPDIF and D/A playback over Wi-Fi cannot be guaranteed in all network environments. *12 Supported multi-room audio formats are dependent on region-specific compatibility information. *3 Service availability varies with region and subscriptions may be required. *4 Requires a Sonos Connect (sold separately). *9 Voice control requires a smart speaker featuring Alexa and Google Assistant options. *7 Available free at the App Store and Google Play for iPhone, iPad, and Android phones. *6 Plays DSD audio over USB.
• 3-Mode display dimmer (Normal/Dim/Dimmer)
• 40 PHAT random presets
• Redesigned simple remote control

*1 Enrolled with a future firmware update. *2 This unit may automatically download and apply an Over-the-Air software update during setup. *3 Some countries or regions have regulations that affect wireless signal strength and the use of Wi-Fi channels.

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TX-RZ840 9.2-Channel Network A/V Receiver

Experience IMAX® Enhanced

This Onkyo A/V receiver is released under the IMAX Enhanced® program, which features DT:X immersive audio decoding that is optimized to reproduce the full dynamic range of IMAX theatrical sound mixes available in digitally re-mastered IMAX Enhanced content. The IMAX Enhanced Mode reproduces IMAX Enhanced content at the highest level, just as the filmmakers intended. IMAX Enhanced versions of films, from Hollywood blockbuster movies to documentary films, are scheduled for Blu-ray and Ultra HD Blu-ray® release.

THX® Certified Select™ theater-reference sound

THX Certified Select guarantees the same reference level of commercial theater in rooms where the viewing position is about 10–12 ft. from the screen. To gain certification for reference sound within strict THX® sound-quality parameters, receivers must pass 2,000 bench-tests in 75 categories covering 14,000 data points.

Dolby Atmos® and DTS:X®

Dolby Atmos and DTS:X® formats map sound in 3D space, allowing users to feel as though they are right in the room and immersing your audience in the film. With 11.2-ch pre-outs and 11.1-ch processing, you can enjoy 3D sound through a 2.4-channel layout (external power amp required), or use built-in amps for a 5.2.4 or 7.2.2 layout. Enjoy classic titles through your height-enabled speaker system with Dolby Surround® and DTS Neural:X finding cues in legacy soundtracks and upmixed for spatial playback.

Dolby Atmos Height Virtualizer

When playing any Dolby® format, engaging Dolby Atmos Height Virtualizer enables a more immersive listening experience, creating a virtual surround and height effect from traditional speaker layouts without employing additional speakers.

New upgrades reduce noise and boost power

Additional refinements control noise, boost power, and improve SN ratio. A new HMS® board has shorter signal paths and low, well-finished grounds for AV signal integrity. SoC is isolated to reduce interference noise. The power-supply line is reinforced in pursuit of smooth power delivery. These contribute to punchier bass and improved signal-paths and large, well-finished grounds for A/V signal distribution to Zone 2 and Zone 3.

Quad-core SoC supports 802.11ac Wi-Fi®

A powerful SoC (System on a Chip) processes multiple tasks at once. It evolves network functions and supports the latest high-speed 802.11ac (2x2 MIMO) specification while compatible with 802.11 b/g/n dual-band routers. Note: some countries or regions have regulations that affect wireless signal strength and the use of Wi-Fi channels.

Clarify voice dialog in-program instantly

Vocal Enhancer solves inaudible dialog in TV programs and movies. DSP technology identifies voice frequencies so you can conveniently adjust them using remote-control keys or controls on the front panel.

Versatile Zone 2/Zone B line-out

Connect your supported hi-fi system via analog RCA input to the AVR's Zone 2/Zone B line-out. In Zone 2 mode, you can play the same or different analog/digital sources (including SPDIF and HDMI) in either or both rooms at the same time. Zone B mode is an ideal match for a supported wireless transmitter. Listen to any source through wired wireless headphones for disruption-free late-night TV entertainment.

AccuEQ Advance with AccuReflex™

AccuEQ Advance room acoustic calibration uses nine-point mic measurement to calibrate EQ and speakers and subwoofers accurately with no clipping volumes that arise when sound from the speakers resonates with sound reflecting off the walls, compromising its proper expression. During the process, background noise is ignored to ensure accurate equalization. AccuReflex compensates for room sound through height speakers by resolving phase-shifting, resulting in a cohesive sound-field.

Connections for custom installation

The TX-RZ840 features a 12 V trigger output for an external component and an IR input for remote-control range extension. It supports IP control, RS-232C, and OSD output for custom installers. An optional rack-mount kit (IRK-180-4C) is available.

Supports EARC audio transmission

HDMI Main Out features EARC, supporting HD audio transmission from an EARC-compatible TV or A/V receiver via HDMI cable. It works with 3D audio formats such as Dolby Atmos and DTS:X as well as Dolby True-HD and DTS-HD Master Audio® lossless codecs. High-bit-rate and object-based audio features in videos streamed via Smart TV or smartphone app and a connected network media dongle can now be decoded and amplified by the A/V receiver at native quality.

SPECIFICATIONS

Amplifier Section

<table>
<thead>
<tr>
<th>Power output (All channels)</th>
<th>250 W/ch.</th>
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<tbody>
<tr>
<td>(6 ohms, 1 kHz, 1% THD)</td>
<td>130 W/ch.</td>
</tr>
<tr>
<td>(8 ohms, 20 Hz–20 kHz, 0.08% THD, 2 channels driven, FTC)</td>
<td>100 W/ch.</td>
</tr>
<tr>
<td>Dynamic power</td>
<td>220 W (ch. Off)</td>
</tr>
<tr>
<td>THD+N (Total Harmonic Distortion ± Noise)</td>
<td>0.08% (20 Hz–20 kHz, half power)</td>
</tr>
</tbody>
</table>

Input sensitivity and impedance

- 250 mV/100 kΩ (Line-in)
- 350 mV/10 kΩ (Phono MM)

Raised RCA output level and impedance

- 0.15 V/100 kΩ (Subwoofer pre-out)
- 200 mV/100 kΩ (Zone B/Zone 2 line-out)

Frequency response

- 5 Hz–100 kHz (±1 dB, 2% Distortion) |
- 20 Hz–20 kHz (±10 dB, 2% Distortion) |
- 10 Hz–20 kHz (±20 dB, 2% Distortion) |

- 0.15 V/470 kΩ (Phono MM)
- 80 dB (Phono PHONO) |

- 100 Hz (THX, HEC-3) |

Speaker impedance

- 4 ohms–6 ohms |

Input sensitivity/output level and impedance

- Video | 1.0 Vp-p/75 ohms (Component Y) |
- 0.7 Vp-p/75 ohms (Component Pb)
- 0.7 Vp-p/75 ohms (Composite) |

Tuner Section

<table>
<thead>
<tr>
<th>Tuning frequency range</th>
<th>87.5 MHz–107.9 MHz</th>
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</thead>
<tbody>
<tr>
<td>AM</td>
<td>520 kHz–1.7 MHz</td>
</tr>
<tr>
<td>FM</td>
<td>540 stations</td>
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</tbody>
</table>

Power Supply

- Mini Fan: 18 W |
- Power consumption: 810 W |
- No-sound power consumption: 70 W |
- Standby power consumption: 0.15 W |

Dimensions (W x H x D) |
- 7.5” x 22” x 15” (190 x 560 x 382 mm) |
- Weight: 30.2 lbs. (13.7 kg) |

UPC CODE

- 889951007999 |

CARTON

- Dimensions (W x H x D) |
- Weight: 37.6 lbs. (17.0 kg) |

Supplied Accessories

- Power cord + Indoor FM antenna + AM loop antennas |
- Speaker setup microphone + Quick Start Guide + Remote controller + AAA (R03) batteries x 2 |

Please visit https://www.onkyousa.com/ for a list of our distributor network and to find the nearest dealer, or call 1-877-367-6538 for further information.

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