2019 NEW PRODUCT RELEASE

TX-NR696 7.2-Channel Network A/V Receiver

Future-ready home entertainment with THX® Certified Select™

A harmonious mix of tech and tradition, the TX-NR696 adapts to entertainment life and finds the emotion in every sound source, from 3D film-scores to vinyl records. Next-Generation Network Audio gathers Chromecast built-in, Works with Sonos, AirPlay 2, and DTS Play-Fi® with streaming services for smooth multi-room audio evolved by support for the new high-speed 802.11ax (2x2 MIMO) Wi-Fi® specification. Dolby Atmos® and DTS:X™ pull audiences deep into movies and games, THX Certified Select assures a cinema-reference experience. If a 5.2.2-ch setup isn’t possible, Dolby Atmos Height Virtualizer® and DTS Virtual:X™ can create a 3D sound-field from horizontal speaker layouts. Zone 2 outputs bring amped multi-source audio to two rooms, while a flexible new zone line-out/front L/R pre-out terminal lets you listen how you want, where you want. With revitalized DAA system, 4K/60p/HDHR® HDMI® terminals, and many extras, this product excels in every aspect.

PRODUCT HIGHLIGHTS
- 175 W/Ch THX® Certified Select® DAA system
- Works with Sonos, Chromecast built-in, AirPlay 2, DTS Play-Fi®, FlareConnect®
- Supports 5.2.2-ch Dolby Atmos® and DTS:X® playback
- Dolby Atmos Height Virtualizer® and DTS Virtual:X™
- HDMI Sub/Zone 2 output shares media to a second display or projector
- Quad-core SoC supports 802.11ax (2x2 MIMO) Wi-Fi® specification
- Zone 2/Zone B line-out/front L/R pre-out with DAC shares D/A audio (including HDMS/SPDIF®) or connects power amp
- Zone 2 outputs distribute D/A audio sources (including HDMS/SPDIF®)
- Stereo Assign Mode to switch Front playback to Height channels
- DSP-based Virtual Enhancer improves dialog audibility
- GUI with OSD via HDMI features media input/output data display function
- HDMI supports 4K/60p, 4K, HDR, 4:4:4:2:4-bit, BT.2020, HDCP 2.2
- AccuEQ with subwoofer EQ and AccuReflex™
- One-touch volume memory-presets for A/V inputs
- PLL (Phase Locked Loop) antenna technology for S/PDIF audio
- Tone controls (base/level) for front L/R channels
- Pure Audio Mode and Direct Mode for high-fidelity sound

VIDEO & AUDIO SUPPORT
- Supports HDCP 2.2, 4K60p, HDR (Dolby Vision, HDR10, HLG)
- Dolby Atmos, DTS:X, Dolby TrueHD, and DTS-HD Master Audio® decoding
- Dolby Atmos Height Virtualizer and DTS Virtual:X 3D processing
- Dolby Surround® and DTS Neural:X upmixing technology
- THX learning modes for movies, music, and games
- Sound optimization for games (Rock, Sports, Action, and RPG)
- SACD (Super Audio CD) playback via HDMI (2.8 MHz, 5.6 MHz)
- Theater-Dimensional virtual surround-sound function

NETWORK FEATURES
- Next-Generation Network Audio with multi-room audio, streaming service integration, and remote app control
- Works with Sonos certified for the Sonos Home Sound System®
- Chromecast built-in and voice control with the Google Assistant®
- AirPlay 2 multi-room audio and voice control with Siri®
- DTS Play-Fi® multi-room audio via Onkyo Music Control App®
- PureReflex® multi-zone audio with compatible components
- Quad-core SoC processing evolves network functions and supports high-speed 802.11ax (2x2 MIMO) Wi-Fi® specification
- Supports Onkyo Controller remote and music streaming app
- Hi-Res Audio playback via network (DSD 11.2 MHz, 5.6 MHz, 2.8 MHz)
- DAA, WAV (REW, REW, and ALAC to 192 kHz/24-bit)

CONNECTOR TERMINALS
- 7 HDMI inputs (1 front), 2 outputs (Main [ARC], Sub/Zone 2)
- 2 digital audio inputs (optical and coaxial, assignable)
- 4 analog RCA inputs (assignable)
- 3.5 mm minijack input (assignable)
- 1 phone input with built-in PPM equalizer for turntable
- 3.5 mm mic input for AccuEQ (assignable)
- 4.35 mm headphone jack (front)
- 2 subwoofer pre-outs
- Zone 2/Zone B line-out/front L/R pre-out (analog RCA)
- 7 screen-type speaker ports
- Ethernet terminal for network connection and IP control
- USB input (5 V/1 A) for audio playback (rear)
- AC socket for detachable power cable

ADVANCED FEATURES
- AccuEQ Room Acoustic Calibration and AccuReflex®
- DSP Vocal Enhancer boosts dialog audibility via remote keys or front panel
- Bluetooth® wireless technology and Wake on Play Standby with auto input selection supporting select smart speakers
- Advanced Music Optimizer™ improves compressed audio playback
- Zone 2 speaker outputs for powered simultaneous multi-source D/A audio distribution (including HDMS/SPDIF) with Zone 2/DAC (outputs via Zone 2 and Zone 2 line-out)
- Front/Height/Surround Back switching (layout dependent) for ambient listening in Sonos Arrange Mode
- Zone 2/Zone B line-out/front L/R pre-out (analog RCA) with Zone 2 DAC, connects compatible audio systems for synchronized independent DIA playback (including HDMS/SPDIF) in Phm and Zone 2, connects compatible transmitters for wireless headphones; connects power amp for Front L/R speakers
- One-touch volume memory-presets for A/V inputs via front panel
- 1080p to 4K upscaling and GUI with overlaid OSD via HDMI
- Supports HDMI 1.4b-2.0b, 3D, DeepColor™, x.v.Color™, and LipSync via HDMI
- Supports HDCP 2.2, 4K/60p, HDR (Dolby Vision, HDR10, HLG), and Dolby Vision playback via network
- Supports HDMI CEC and TV content from remote keys or AirPlay® wireless technology and Wake on Play Standby with auto input selection supporting select smart speakers
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*1 The unit may automatically download and apply an Onkyo software update during setup. *2 Some countries or regions have regulations that affect wireless signal strength and the use of WiFi channels. *3 Enabled with a future firmware update.

AMPLIFIER FEATURES
- 175 W/Ch (6.1 kHz, 10% THD, 1 channel driven)
- THX Certified Select certified Dynamic Audio Amplification
- Custom High-CURRENT Power Transformers
- Large custom-made audio power capacitors
- Non-phase-diff amp topology with discrete output stage
- New dual-transistor amp output stages (L/R/C) doubles instantaneous current output for steering dynamics and bass impact
- Strengthened power-supply line for high-current dynamics
- Refined HDMI grounds, short signal paths reduce noise
- SoC board remote from audio paths to reduce noise
- High-grade AKM (AK4458) 384 kHz/32-bit multichannel D/A conversion

VIDEO & AUDIO SUPPORT
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