

## TX-NR3009 9.2-CHANNEL NETWORK A/V RECEIVER



## Get Connected to the Cutting Edge of High-End Home Cinema

The TX-NR3009 sports a huge array of digital and analog connections, including eight 3D-ready HDMI® inputs, 9.2 multichannel pre-outs, and a USB input for connecting flash drives and digital audio players. An Ethernet jack, meanwhile, supports networked content in the form of internet radio and streaming audio from a PC or media server. Processing, too, is top-class. Audyssey MultEQ® XT32 achieves optimal balance for movie soundtracks and breathtaking realism for music sources. Along with sophisticated surround-sound technologies from Dolby and Audyssey, the TX-NR3009 employs DTS Neo:X™ to create an immersive nine-channel soundscape from any audio source. Video sources also get the red-carpet treatment, thanks to HQV® Vida™ processing, independent ISF calibration, and 4K upscaling via Qdeo™ technology. Onkyo's dedication to build quality is reflected in the low-resonance chassis, multiple transformers, three-stage inverted Darlington circuitry, and high-grade audio terminals. All this and more earns the TX-NR3009 coveted THX® Ultra2 Plus™ certification—your guarantee of an ovation-worthy performance every time.

## ADVANCED FEATURES

- THX® Ultra2 Plus™ Certified
- HDMI® Support for 3D, Audio Return Channel, DeepColor™, x.v.Color™, LipSync, Dolby® TrueHD, DTS-HD Master Audio™, DVD-Audio, Super Audio CD, Multichannel PCM, and CEC
- VLSC™ (Vector Linear Shaping Circuitry) for All Channels
- Massive Transformer and Two Separate Transformers for Audio and Video Processing
- High-Quality HQV® Vida™ VHD1900 Video Processor
- ISF (Imaging Science Foundation) Video Calibration for Optimal Video Performance
- HDMI Video Upscaling to 4K with Qdeo™ Technology by Marvell
- DTS Neo:X™, Audyssey DSX™, and Dolby® Pro Logic® IIz for Expanded Surround Channels
- Audyssey MultEQ® XT32 to Correct for Room Acoustics
- Direct Digital Connection of iPod/iPhone via Front-Panel USB Port
- Supports Onkyo Remote Apps for Control of A/V Receiver via iPod touch/iPhone®¹ and Android Phone®²
- Playback of Audio Files Through Local Network (MP3, WMA, WMA Lossless, FLAC, WAV, Ogg Vorbis, AAC, LPCM)
- Internet Radio and Music Streaming Connectivity (vTuner, Last.fm, Napster, Spotify, and AUPEO!)³
- Bi-Amping Capability
- Powered Zone 2/3 and Zone 2/3 Pre-Outs, and Zone 2 Video Out for Distributed A/V Playback in Multiple Rooms
- Machined Solid Brass, 19 mm-Pitch Audio Inputs (TV/CD and Phono)

\*1. Compatible iPod/iPhone models: iPod touch 3rd generation or later; iPhone 3GS or later. (All models require iOS 4.2 or later.) \*2. Requires Android OS 2.1 or later. \*3. Availability of services depends on region.

## AMPLIFIER FEATURES

- 200 W/Ch at 6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC
- WRAT (Wide Range Amplifier Technology)
- Three-Stage Inverted Darlington Circuitry
- H.C.P.S. (High Current Power Supply) Massive High-Power Transformer
- Linear Optimum Gain Volume Circuitry
- PLL (Phase Locked Loop) Jitter-Cleaning Circuit Technology

## PROCESSING FEATURES

- Dolby® TrueHD and DTS-HD Master Audio™ Decoding
- TI Burr-Brown 192 kHz/24-Bit DACs (PCM1796 x 6) for All Channels
- Advanced 32-Bit Processing DSP Chip
- 4 DSP Modes for Gaming: Rock, Sports, Action, and RPG
- Advanced Music Optimizer for Compressed Digital Music Files
- Handles Playback of Mass Storage Class USB Memory
- Theater-Dimensional Virtual Surround Function
- Direct Mode and Pure Audio Mode

## CONNECTION FEATURES

- 8 HDMI® Inputs (1 Front/7 Rear) and 2 Outputs
- Universal Port for Onkyo Peripheral Devices Such as UP-A1 Dock for iPod/iPhone or UP-DT1 DAB+ Radio Tuner
- 2 USB Ports (1 Front/1 Rear)
- Compatible with UWF-1 Wireless LAN Adapter (via Front-Panel USB Port)
- 3 Component Video Inputs and 1 Output
- 5 Composite Video Inputs and 2 Outputs
- 4 S-Video Inputs and 2 Outputs

- Analog RGB Input (D-sub, 15 pin) for PC Video
- 6 Digital Audio Inputs (3 Optical and 3 Coaxial)
- 8 Analog Audio Inputs and 1 Output
- Phono Input
- Color-Coded, 7.1 Multichannel Inputs
- Color-Coded, 9.2 Multichannel Pre-Outs (Including 2 Independent Subwoofer Pre-Outs)
- RS232 Port, IR Input/Output, and 12V Trigger Out (Zone 2/3)

## OTHER FEATURES

- Overlaid Graphical On-Screen Display (OSD) and GUI Navigation via HDMI
- Audyssey Dynamic EQ® for Loudness Correction
- Audyssey Dynamic Volume® to Maintain Optimal Listening Level and Dynamic Range
- Dolby® Volume for Reference-Quality Listening at Any Volume
- Independent Crossover Adjustment for Each Channel (40/50/60/70/80/90/100/120/150/200 Hz)
- A/V Sync Control (Up to 800 ms in 5 ms Steps)
- Tone Control (Bass/Treble) for All Channels
- Light Dimming (Display: Normal/Dim/Dimmer; Volume Knob LED: On/Off)⁴
- RDS (PS/RT/PTY/TP)
- 40 FM/AM Random Presets
- Certified with Windows® 7 and DLNA Version 1.5
- RIHD (Remote Interactive over HDMI) for System Control
- Bi-Directional, Preprogrammed, and Customizable RI Remote Control with On-Screen Setup, Mode-Key LEDs, and Macro Presets for Four Activities

\* Note: Volume knob LED is always off when display is dimmed.

# TX-NR3009 9.2-CHANNEL NETWORK A/V RECEIVER

## Onkyo Remote Apps for iPod touch/iPhone and Android

The Onkyo Remote App for iPod touch/iPhone\*1 and the Onkyo Remote App for Android\*\* both provide an intuitive way to operate Onkyo network A/V receivers. At your fingertips, you have the ability to control input sources, adjust settings, and enjoy your content more seamlessly than ever. The two Remote Apps are available separately as free downloads.

\*1 Compatible with iPod touch (3rd generation or later) and iPhone 3GS or later. All models require iOS 4.2 or later. \*\*2 Requires Android OS 2.1 or later.

## Network Capability Delivers Internet Radio and Network Audio Streaming via Ethernet

Linking directly to the internet or to a media server or home PC via a local network, the TX-NR3009 takes streaming audio and internet radio to a whole new level. MP3, WMA, WMA Lossless, FLAC, WAV, Ogg Vorbis, AAC, and LPCM audio files can now be played back through your main system with unprecedented power and fidelity. The TX-NR3009 also brings to life a huge array of internet radio channels from Last.fm and vTuner, plus on-demand music streaming from Napster, Spotify, and AUPEO!\*. As well as being compatible with earlier platforms, the receiver is compatible with Microsoft's Windows® 7 platform, which includes the DLNA 1.5-specified "Play To" media-streaming feature. The TX-NR3009's internet connectivity has the added benefit of making firmware updates simpler than ever.

\*Availability of internet radio and music streaming services depends on region.

## THX® Ultra2 Plus™ Certified

The ultimate benchmark for home audio performance, THX Ultra2 Plus is specified for rooms where the screen-to-seat viewing distance is more than 4 meters and the room volume is 85 cubic meters or greater. To achieve THX Ultra2 Plus certification, the TX-NR3009 must meet the world's most demanding standards for home cinema audio quality and performance, and must play at reference volume levels with minimal distortion.

## High-Quality Video Processing with HQV® Vida™ VHD1900

The sophisticated HQV Vida VHD1900 processor enhances the quality of both standard-definition and high-definition video sources. The chip employs multi-cadence tracking, expanded 12-bit color processing, and four-field motion-adaptive de-interlacing to optimize video quality and detail. Two new HQV technologies are incorporated into the VHD1900: Auto HQV™, which automatically enhances the incoming image; and HQV StreamClean™, which cleans up compressed video in real time by eliminating mosquito and block noise from lower-quality sources such as online video sites.

## 4K Video Upscaling

The TX-NR3009 employs Qdeo technology from Marvel to achieve full 4K (3840 x 2160) upscaling of 1080p video sources—even sources that have been upscaled to 1080p from lower resolutions by on-board HQV Vida technology. Played back on a compatible wide-screen display, your Blu-ray Discs and other high-def content will look more detailed and cinematic than ever.

## VLSC™ (Vector Linear Shaping Circuitry)

Onkyo's VLSC employs a unique digital-to-analog conversion circuit to mitigate the effects of signal noise. Data is converted between discrete sampling points, which are then joined with analog vectors in real-time to produce a continuous output wave form. The result—a noiseless, smooth analog signal based on the digital source.

## DTS Neo:X™ Adds Extra Dimensions to Surround Sound

The TX-NR3009 is one of the first receivers in the world to feature DTS Neo:X, a new technology that offers a multitude of ways to set up the speakers in a 9.1-channel home cinema system. A basic 5.1-channel set-up can be complemented by one of three different arrangements: (1) You can add surround back and front-height speakers to bring out ambient, non-directional sounds; (2) You can add surround back and front-wide speakers to provide a more expansive soundstage; or (3) You can add front-height and front-wide speakers to create an immersive space without needing to install rear speakers.

## SPECIFICATIONS

### Amplifier Section

<b>Power Output</b>	200 W/Ch
Front L/R	(6 Ω, 1 kHz, 1%, 1 channel driven, IEC)
Center	200 W
Surround L/R	(6 Ω, 1 kHz, 1%, 1 channel driven, IEC)
Surround Back L/R	200 W/Ch
Surround Front L/R, Front Wide L/R, or Zone 2/3 L/R	(6 Ω, 1 kHz, 1%, 1 channel driven, IEC)
200 W/Ch	(6 Ω, 1 kHz, 1%, 1 channel driven, IEC)
<b>Dynamic Power</b>	320 W (3 Ω Front)
270 W (4 Ω Front)	160 W (8 Ω Front)

**THD+N (Total Harmonic Distortion + Noise)**  
0.05% (20 Hz–20 kHz, Half power)

**Damping Factor**  
60 (Front, 1 kHz, 8 Ω)

**Input Sensitivity and Impedance**  
200 mV/47 kΩ (Line)  
2.5 mV/47 kΩ (Phono MM)

**Rated RCA Output Level and Impedance**  
1.0 V/470 Ω (Pre out)

**Maximum RCA Output Level and Impedance**  
5.5 V/470 Ω (Pre out)

**Phono Overload**  
70 mV (MM, 1 kHz, 0.5%)

**Frequency Response**  
5 Hz–100 kHz/±1 dB, -3 dB (Direct mode)

**Tone Control**  
±10 dB, 50 Hz (Bass)  
±10 dB, 20 kHz (Treble)

**Signal-to-Noise Ratio**  
110 dB (Line, IHF-A)  
80 dB (Phono MM, IHF-A)

**Speaker Impedance**  
4 Ω–16 Ω or 6 Ω–16 Ω

### Video Section

**Input Sensitivity/Output Level and Impedance**

Video	1.0 Vp-p/75 Ω (Component and S-Video Y)
	0.7 Vp-p/75 Ω (Component Pb/Cr, Pr/Cr)
	0.28 Vp-p/75 Ω (S-Video C)
	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  
AM 522 kHz–1.611 kHz

**FM/AM Preset Memory**  
40 stations

### General

**Power Supply**  
AC 220–240 V~, 50/60 Hz

**Power Consumption**  
1,060 W

**Dimensions (W x H x D)**  
435 x 198.5 x 463.5 mm

**Weight**  
25.0 kg

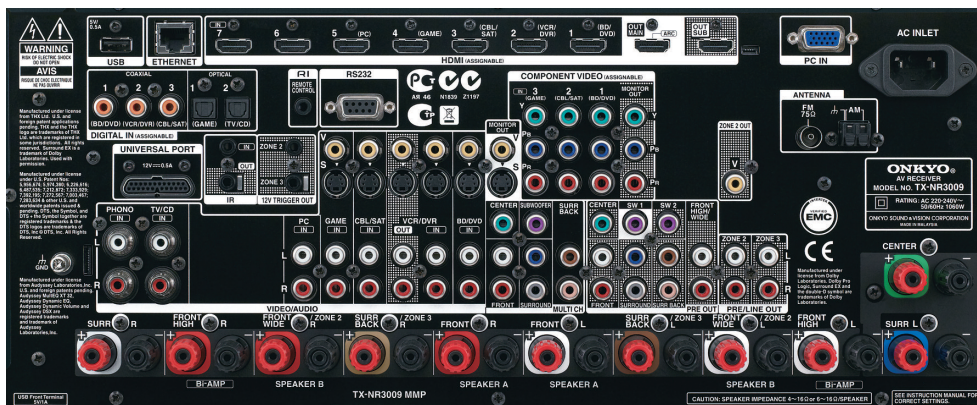
### CARTON

**Dimensions (W x H x D)**  
610 x 337 x 594 mm (Tentative)

**Weight**  
29.5 kg (Tentative)

### Supplied Accessories

- Indoor FM antenna • AM loop antenna • Speaker cable labels
- Speaker set-up microphone • Instruction manual
- Quick set-up guide • Remote controller • AA (R6) batteries x 2



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