

# TX-NR5010 9.2-Channel Network A/V Receiver

BLACK | SILVER



Microphone for Audyssey



## Tradition Meets Technology in Our Stunning New Flagship Model

The culmination of nearly 70 years' audio engineering experience, our flagship model celebrates Onkyo's proud heritage while pushing the boundaries of technology even further. Behind the thick anti-resonant exterior panels, you'll find a massive toroidal transformer—assisted by separate transformers for audio and video processing—to power the Three-Stage Inverted Darlington Circuitry. Both are fundamental to achieving THX® Ultra2 Plus certification. Crucial details such as the premium 192 kHz/32-bit DACs, gold-plated speaker posts and terminals, and differential DAC mode will not escape the audiophile's attention. Nor will the Audyssey MultEQ® XT32 and DTS Neo:X™ systems. Video processing is incomparably good, with technology from HQV®, Qdeo™, and ISF upscaling video sources to 4K. With HDMI® support for two displays, 11.4-channel pre-outs, and powered audio in three zones, your entertainment options extend throughout the home, yet are easily managed with our convenient remote apps and HDMI-enabled GUI. A total of 11 HDMI ports (including MHL™ for smart phone), DLNA, and ample legacy connections allow your media to be played with exhilarating power and accuracy. This iconic blend of phenomenal sound and advanced technology is why more home cinema experts own an Onkyo.

### ADVANCED FEATURES

- THX® Ultra2 Plus™ Certified
- Massive Toroidal Transformer and Two Separate Transformers for Audio and Video Processing
- Anti-Vibration Construction with Separate Aluminum Side Panels
- VLSC™ (Vector Linear Shaping Circuitry)
- High-Quality HQV® VIDA™ VHD1900 Video Processor
- HDMI® Video Upscaling to 4K with Qdeo™ Technology by Marvell
- ISF (Imaging Science Foundation) Video Calibration for Optimal Video Performance
- DTS Neo:X™, Audyssey DSX®, and Dolby® Pro Logic® IIz for Expanded Surround Channels
- Input Source Preview with InstaPrevue™ Technology
- Audyssey MultEQ® XT32 for Room Acoustic Correction
- Internet Radio and Cloud Music Streaming Service Connectivity (Last.fm, Spotify, AUPEO!, Simfy, vTuner)\*1
- Supports Onkyo Remote Apps for iPod touch/iPhone\*2 and Android Phone\*3
- Zone 2 HDMI Output for HD Video in a Second Room
- Digital Processing Crossover Network to Cancel Crossover Interference
- Gold-Plated, Machined Solid Brass, 19 mm-Pitch Audio Inputs (TV/CD and Phono)
- Gold-Plated Speaker Posts and A/V Terminals
- Gold-Plated HDMI Terminals (2 Inputs and 1 Output Only)

\*1 Availability of services depends on region. Some services may require a firmware update. Availability of third-party services advertised here is accurate at the time of printing, but may be subject to change without notice. \*2 Compatible with iPod touch (3rd generation or later) and iPhone 3GS or later. All models require iOS 4.2 or later. \*3 Requires Android OS 2.1 or later.

### AMPLIFIER FEATURES

- 220 W/Ch (6 Ω, 1 kHz, 1% THD, 1 Channel Driven, IEC); 280 W/Ch (6 Ω, 1 kHz, 1 Channel Driven, JEITA)
- Isolated Power-Amp and Pre-Amp Block
- WRAT (Wide Range Amplifier Technology)
- Three-Stage Inverted Darlington Circuitry
- H.C.P.S. (High Current Power Supply) Massive High Power Transformer
- Discrete Output Stage Circuitry
- Optimum Gain Volume Circuitry
- PLL (Phase Locked Loop) Jitter-Cleaning Circuit Technology
- Bi-Amping Capability

### PROCESSING FEATURES

- 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
- 7 x TI Burr-Brown 192 kHz/32-Bit DACs
- Differential DAC Mode to Double Processing Power for up to 5.1 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

### CONNECTION FEATURES

- 9 HDMI Inputs (1 Front/8 Rear) and 2 Outputs
- MHL™ (Mobile High-Definition Link) for Smart Phone Content on HDTV
- 2 USB Ports (1 Front/1 Rear)

- Direct Digital Connection of iPod/iPhone via Front-Panel USB Port
- Compatible with Optional UWF-1 Wireless LAN Adapter and UBT-1 Bluetooth USB Adapter
- Playback of Audio Files Through Local Network (MP3, WMA, WMA Lossless, FLAC, WAV, Ogg Vorbis, AAC, Apple Lossless, DSD, LPCM)
- 2 Component Video Inputs and 1 Output
- 5 Composite Video Inputs and 1 Output
- 7 Digital Audio Inputs (4 Optical and 3 Coaxial)
- 7 Analog Audio Inputs and 1 Phono Input
- Powered Zone 2/3 and Zone 2/3 Line-Outs for Distributed Audio Playback in Multiple Rooms
- 11.4 Multichannel Pre-Outs
- Zone 2 Video Output (Composite)
- Analog RGB Video Input (D-sub, 15 pin) for PC
- RS-232 Port, IR Input/Output, and 12V Trigger Outs (Zone 2/3)

### OTHER FEATURES

- Audyssey Dynamic EQ® and Audyssey Dynamic Volume®
- Dolby® Volume for Reference-Quality Listening at Any Volume
- Overlaid On-Screen Display (OSD) with Quick Set-Up and Home Menu
- Hybrid Standby to Reduce Power Consumption
- Independent Crossover Adjustment for Each Channel (40/45/50/55/60/70/80/90/100/110/120/130/150/200 Hz)
- A/V Sync Control (Up to 800 ms at 48 kHz)
- Tone Control (Bass/Treble) for All Channels (except Zone 2/3)
- RDS (PS/RT/PTY/TP) (European Model only)
- Bi-Directional, Preprogrammed, and Customizable RI Remote Control with Macro Presets for Four Activities

# TX-NR5010 9.2-Channel Network A/V Receiver

## Incorporate Digital Libraries and Explore Online with Home Networking and Optional Bluetooth for Mobile Devices

Accessing your home network via LAN cable or optional UWF-1 wireless adapter, this receiver makes streaming online audio simple. Once connected, you can also play music stored on PC or NAS through your home cinema system, with MP3, AAC, Apple Lossless, FLAC, and WMA Lossless formats supported. The receiver offers instant access to internet radio channels from Last.fm and vTuner, plus cloud-based music streaming from AUPEO! and Simfy\*. Or, if you prefer, simply plug in our optional UBT-1 Bluetooth adapter to stream high quality audio from your PC, smart phone, or tablet.

\*Availability of services depends on region. Some services may require a firmware update. Availability of third-party services advertised here is accurate at the time of printing, but may be subject to change without notice.

## 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 four meters and the room volume is 85 cubic meters or greater. To achieve THX Ultra2 Plus certification, the TX-NR5010 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.

## World's Best Video Processing

Three of the best video processing and enhancement systems are included to guarantee smooth and accurate images on your HDTV.

### HQV® Vida™ VHD 1900

The Vida VHD 1900 upscales analog content to 1080p, and enhances native high-definition sources. The chip employs multi-cadence tracking, expanded 12-bit color processing, and four-field motion-adaptive de-interlacing. Auto HQV™ enhances the incoming image, while HQV StreamClean™ cleans up video from lower-quality online sources by eliminating mosquito and block noise.

### Marvell Qdeo™ Technology

Qdeo technology upscales 1080p sources to 4K (4096 x 2160)—even content already upscaled from lower resolutions by the HQV Vida processor. Played back on a compatible 4K display, your high-definition content will look more cinematic than ever.

### ISF Video Calibration

ISF (Imaging Science Foundation) video calibration dramatically improves picture quality. Each video input source is independently calibrated to achieve the best possible performance from your connected HDTV.

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

The Onkyo remote control apps for iPod touch/iPhone\*1 and Android phone\*2 both provide intuitive ways to operate Onkyo network A/V receivers. Control input sources, adjust settings, and play audio stored in a smart phone wirelessly (Android phone) using the application's interactive graphical display. 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.

## Three High-Performance Sound Expansion Systems

A nine-channel system provides the ultimate entertainment experience, with additional High and Wide channels convincing you with realistic directional and ambient effects. Audyssey DSX®, Dolby® Pro Logic® IIz, and DTS Neo:X™ expansion systems offer you freedom to choose your preferred speaker setup. Audyssey DSX can expand 5.1-channel sources to incorporate Wide and Height channels. The Dolby system adds Height channels and stereo source expansion, while DTS Neo:X offers Wides and Heights with cinema, music, or game listening modes.

## House-wide Audio and Video Entertainment

Now there's a way to share your hi-def content on a second TV—say, a wall-mounted flatscreen in the kitchen or bedroom—without having to buy and connect another Blu-ray player or set-top box. Connect your additional display using the receiver's Zone 2 HDMI output to enjoy the same program, or two different HD sources, in both rooms. Naturally, this receiver also powers audio in two other zones by assigning Front Wide or Front High channel outputs. Playback of audio and video is easily controlled with the main system remote or Onkyo remote control app.

## Design and Build to Audiophile Standards

From the gold-plated A/V and speaker terminals through to the massive toroidal transformer at its heart, the TX-NR5010 is built to uncompromising standards of excellence. For example, to limit the effects of interference, the pre-amp block and power amplifier are housed separately. There are dedicated transformers for audio and video processing. Anti-resonant aluminum side panels are fitted to reduce vibration. And on the processing side, PLL (Phase Locked Loop) jitter-clearing technology removes digital pulse noise, while VLSC™ circuits help to create a pristine analog waveform, ready for amplification by Onkyo's efficient Three-Stage Inverted Darlington Circuitry. This abundance of clean power, advanced processing technology, and generous build specification are what allow the TX-NR5010 to drive your home entertainment to previously unimagined heights.

## SPECIFICATIONS

### Amplifier Section

<b>Power Output</b>	
Front L/R	220 W/Ch (6 Ω, 1 kHz, 1% THD, 1 Channel Driven, IEC) 280 W/Ch (6 Ω, 1 kHz, 1 Channel Driven, JEITA)
Center	220 W (6 Ω, 1 kHz, 1% THD, 1 Channel Driven, IEC) 280 W (6 Ω, 1 kHz, 1 Channel Driven, JEITA)
Surround L/R	220 W/Ch (6 Ω, 1 kHz, 1% THD, 1 Channel Driven, IEC) 280 W/Ch (6 Ω, 1 kHz, 1 Channel Driven, JEITA)
Surround Back L/R	220 W/Ch (6 Ω, 1 kHz, 1% THD, 1 Channel Driven, IEC) 280 W/Ch (6 Ω, 1 kHz, 1 Channel Driven, JEITA)
Front High/Wide L/R or Zone 2/3 L/R	220 W/Ch (6 Ω, 1 kHz, 1% THD, 1 Channel Driven, IEC) 280 W/Ch (6 Ω, 1 kHz, 1 Channel Driven, JEITA)
<b>Dynamic Power</b>	
	400 W (3 Ω, Front)
	300 W (4 Ω, Front)
	180 W (8 Ω, Front)
<b>THD+N (Total Harmonic Distortion + Noise)</b>	
	0.05% (20 Hz–20 kHz, Rated Power)
<b>Damping Factor</b>	
	60 (Front, 1 kHz, 8 Ω)
<b>Input Sensitivity and Impedance</b>	
	200 mV/47 kΩ (Line)
	2.5 mV/47 kΩ (Phono MM)
<b>Rated RCA Output Level and Impedance</b>	
	1.0 V/470 Ω (Pre Out)
<b>Maximum RCA Output Level and Impedance</b>	
	5.5 V/470 Ω (Pre Out)
<b>Phono Overload</b>	
	70 mV (MM), 1 kHz, 0.5%
<b>Frequency Response</b>	
	5 Hz–100 kHz/±1 dB, -3 dB (Direct Mode)
<b>Tone Control</b>	
	±10 dB, 50 Hz (Bass)
	±10 dB, 20 kHz (Treble)
<b>Signal-to-Noise Ratio</b>	
	110 dB (Line, IHF-A)
	80 dB (Phono MM, IHF-A)
<b>Speaker Impedance</b>	
	4 Ω–16 Ω or 6 Ω–16 Ω

### Video Section

<b>Input Sensitivity/Output Level and Impedance</b>	
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)
<b>Component Video Frequency Response</b>	
	5 Hz–100 MHz/±0 dB, -3 dB

### Tuner Section

<b>Tuning Frequency Range</b>	
FM	87.5 MHz–108 MHz
AM	522 kHz–1,611 kHz 530 kHz–1,710 kHz
<b>FM/AM Preset Memory</b>	
	40 Stations

### General

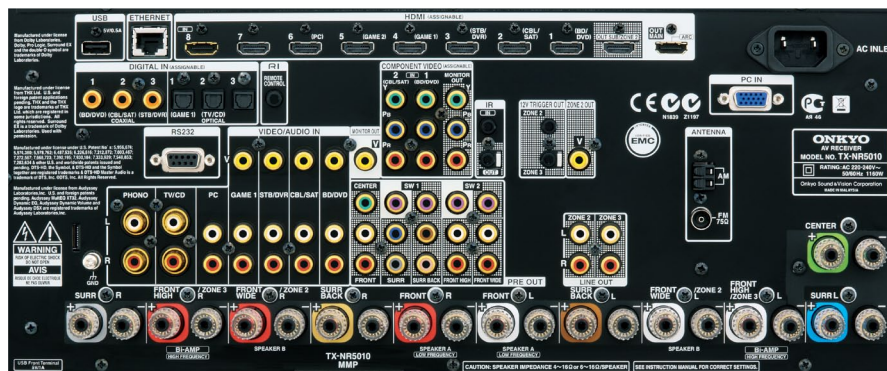
<b>Power Supply</b>	
	AC 220–240 V~, 50/60 Hz
<b>Power Consumption</b>	
	1,160 W
<b>Standby Power Consumption</b>	
	0.15 W
<b>Dimensions (W x H x D)</b>	
	435 x 198.5 x 463.5 mm
<b>Weight</b>	
	25.0 kg

### CARTON

<b>Dimensions (W x H x D)</b>	
	610 x 337 x 594 mm
<b>Weight</b>	
	29.0 kg

### Supplied Accessories

- Indoor FM Antenna • AM Loop Antenna • Speaker Cable Labels
  - Speaker Set-Up Microphone • Instruction Manual
  - Quick Start Guide • Remote Controller • AA (R6) Batteries\* x 2
- \*Not included with Chinese model.



Text on receiver may vary with region.

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