

# TX-NR1010 7.2-Channel Network A/V Receiver

BLACK | SILVER



## The Ultimate Seven-Channel Home Cinema Solution

The TX-NR1010 Network A/V Receiver has the power to drive your entertainment to an exhilarating new level. A massive transformer sends power through Three-Stage Inverted Darlington Circuitry to guarantee THX® Ultra2 Plus™-certified audio. Video performance eclipses the competition, with a Dual Core Video Engine upscaling content to 1080p—and upwards to 4K with a compatible display—using HQV®, Qdeo™ and ISF technology. A powerful hub for house-wide entertainment, the unit has nine HDMI® inputs (including frontside MHL™ for smart phones) and two outputs—one with ARC for your main display, another for HD video in a second zone. Multi-room entertainment is streamlined with Onkyo's remote control apps, while InstaPrevue™ input selection and an HDMI-enabled GUI simplify operation. Whether streaming online music, immersing yourself in an RPG, or experiencing a 3D movie with DTS-HD Master Audio™, reality-shifting surround sound technologies such as Audyssey MultEQ® XT32, DTS Neo:X™, Dolby® Pro Logic® IIz, and Audyssey DSX® place you in the center of the action. For serious users—who will appreciate bi-amping capability, differential DAC mode, and digital crossover processing for bi-wiring audiophile-grade monitors—there is simply no better AVR in its price range.

### ADVANCED FEATURES

- THX® Ultra2 Plus™ Certified
- 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
- VLSC™ (Vector Linear Shaping Circuitry)
- DTS Neo:X™, Audyssey DSX®, and Dolby® Pro Logic® IIz for Expanded Surround Channels
- MHL™ (Mobile High-Definition Link) for Smart Phone Content on HDTV
- Input Source Preview with InstaPrevue™ Technology
- Audyssey MultEQ® XT32 for Room Acoustic Correction
- Dolby® Volume for Reference-Quality Listening at Any Volume
- Internet Radio and Cloud Music Streaming Service Connectivity (Last.fm, MP3tunes, Spotify, AUPEO!, Simfy, vTuner)\*1
- Supports Onkyo Remote Apps for iPod touch/iPhone\*2 and Android Phone\*3
- Powered Zone 2/3 and Zone 2/3 Line-Outs for Distributed Audio Playback in Multiple Rooms
- Zone 2 HDMI Output for HD Video in a Second Room
- Differential DAC Mode for Front Channels
- Digital Crossover Processing Network to Cancel Crossover Interference
- Machined Solid Brass, 19 mm-Pitch Audio Inputs (TV/CD and Phono)

\*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. \*3 Requires Android OS 2.1 or later.

### AMPLIFIER FEATURES

- 200 W/Ch (6 Ω, 1 kHz, 1% THD, 1 Channel Driven, IEC); 250 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
- TI Burr-Brown 192 kHz/24-Bit DACs 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

### CONNECTION FEATURES

- 9 HDMI Inputs (1 Front/8 Rear) and 2 Outputs
- 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
- 6 Digital Audio Inputs (3 Optical and 3 Coaxial)
- 9.2 Multichannel Pre-Outs
- 7 Analog Audio Inputs and 1 Phono Input
- 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® for Loudness Correction
- Audyssey Dynamic Volume® to Maintain Optimal Listening Level and Dynamic Range
- 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)
- 40 FM/AM Random Presets
- Bi-Directional, Preprogrammed, and Customizable RI Remote Control with Macro Presets for Four Activities

# TX-NR1010 7.2-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 AUPEOI, Simfy, and MP3tunes\*. 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-NR1010 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.

## InstaPrevue™ Technology Makes Switching Sources Easy

The TX-NR1010 incorporates InstaPrevue visual port management technology, making input source selection easier. InstaPrevue technology provides live video thumbnails showing the available content on devices connected via HDMI. You no longer have to remember that your gaming console is connected to Port 4, or your Blu-ray player to Port 1, for example—you can see what's playing and choose accordingly.

## 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™ VHD1900

The VIDA VHD1900 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 seven-channel system provides a more immersive entertainment experience, with additional High or 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 or Height channels. The Dolby system adds Height channels and stereo source expansion, while DTS Neo:X offers Wides or Heights with cinema, music, or game listening modes.

## Audyssey MultEQ® XT32

Audyssey's top-of-the-line room correction suite equalizes the sound to suit the unique acoustics of your listening space. High-resolution filters are applied to all channels—including subwoofers—based on information collected from more than 10,000 individual control points across eight measurement positions.

## 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.

## Innovative Design and Quality Construction

The TX-NR1010 receiver is built to deliver superb sound quality. Processing equipment and amplifier circuits are housed separately to limit electrical interference, while PLL (Phase Locked Loop) jitter cleaning preserves signal integrity by eliminating digital clock noise. The amplifier's Three-Stage Inverted Darlington Circuitry—an enhancement to the core WRAT (Wide Range Amplifier Technology) concept—and VLSC™ system ensures minimal distortion. Quality circuitry dovetails with a heavy-duty power supply for instantaneous response to signal gains. The resulting sound is reliably pure, even under heavy loads.

## SPECIFICATIONS

### Amplifier Section

<b>Power Output</b>	200 W/Ch (6 Ω, 1 kHz, 1% THD, 1 Channel Driven, IEC)
Front L/R	250 W/Ch (6 Ω, 1 kHz, 1 Channel Driven, JEITA)
Center	200 W (6 Ω, 1 kHz, 1% THD, 1 Channel Driven, IEC)
Surround L/R	250 W (6 Ω, 1 kHz, 1 Channel Driven, JEITA)
Surround Back L/R, Front High/Wide L/R, or Zone 2/3 L/R	200 W/Ch (6 Ω, 1 kHz, 1% THD, 1 Channel Driven, IEC)
	250 W/Ch (6 Ω, 1 kHz, 1 Channel Driven, JEITA)

<b>Dynamic Power</b>	320 W (3 Ω, Front)
	270 W (4 Ω, Front)
	160 W (8 Ω, Front)

<b>THD+N (Total Harmonic Distortion + Noise)</b>	0.05% (20 Hz–20 kHz, Rated Power)
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<b>Damping Factor</b>	60 (Front, 1 kHz, 8 Ω)
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<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)
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<b>Maximum RCA Output Level and Impedance</b>	5.5 V/470 Ω (Pre Out)
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<b>Phono Overload</b>	70 mV (MM, 1 kHz, 0.5%)
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<b>Frequency Response</b>	5 Hz–100 kHz/±1 dB, -3 dB (Direct Mode)
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<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)
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<b>Speaker Impedance</b>	4 Ω–16 Ω or 6 Ω–16 Ω
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### Video Section

<b>Input Sensitivity/Output Level and Impedance</b>	1.0 Vp-p/75 Ω (Component Y)
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	0.7 Vp-p/75 Ω (Component Pb/Cb, Pr/CR)
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	1.0 Vp-p/75 Ω (Composite)
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<b>Component Video Frequency Response</b>	5 Hz–100 MHz/±0 dB, -3 dB
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### Tuner Section

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

<b>Power Supply</b>	AC 220–240V~, 50/60 Hz
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<b>Power Consumption</b>	850 W
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<b>Standby Power Consumption</b>	0.15 W
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<b>Dimensions (W x H x D)</b>	435 x 198.5 x 463.5 mm
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<b>Weight</b>	23.0 kg
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### CARTON

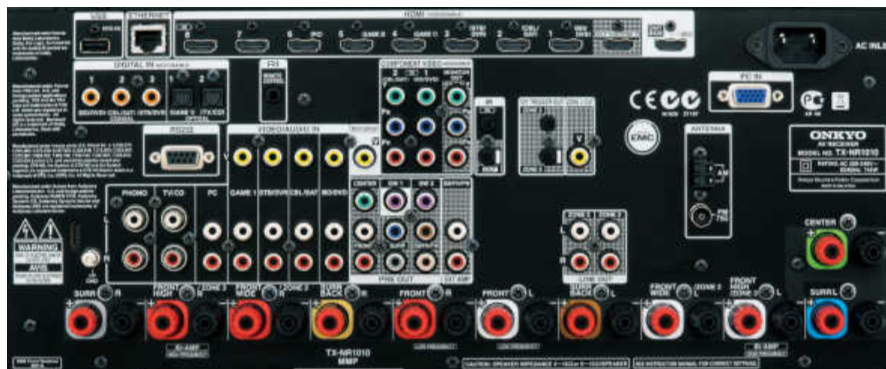
<b>Dimensions (W x H x D)</b>	610 x 337 x 594 mm
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<b>Weight</b>	27.5 kg
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### Supplied Accessories

- 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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