TX-NR1010 7.2-Channel Network A/V Receiver

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 fronts ide 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™, and Audyssey DSX™ place you in the center of the action. For serious users—who will love the differential DAC mode and Digital Processing Crossover Network for bi-amping 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
• PHL™ (Portable 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, Spotify, AUPEO!, iSmfy, TUNER)
• Supports Onkyo Remote Apps for iPod touch/iPhone® and Android Phone®
• 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 to Double Processing Power for up to 5.1 Channels
• Digital Processing Crossover Network to Cancel Crossover Interference
• Planchined Solid Brass, 19 mm-Pitch Audio Inputs (TIV/CD and Phono)

AMPLIFIER FEATURES
• 200 W/Ch (6 Ω, 1 kHz, 1% THD, 1 Channel Driven, IEC)
• 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)
• Playback of Audio Files Through Local Network (MP3, WMA, WMA Lossless, FLAC, WAV, Ogg Vorbis, AAC, Apple Lossless, DSD, LPCM)

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
• Advanced Music Optimizer for Compressed Digital Music Files

CONNECTION FEATURES
• 9 HDMI Inputs (1 Front/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
• 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)
• RSS-223 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
• Advanced Music Optimizer for Compressed Digital Music Files
• Playback of Audio Files Through Local Network (MP3, WMA, WMA Lossless, FLAC, WAV, Ogg Vorbis, AAC, Apple Lossless, DSD, LPCM)
• 2 Composite Video Inputs and 1 Output
• 3 Component Video Inputs and 1 Output
• 5 Composite Video Inputs and 1 Output
• 2 Component Video Inputs and 1 Output
• 7 Analog Audio Inputs and 1 Phono Input
• Zone 2 Video Output (Composite)
• Analog RGB Video Input (D-sub, 15 pin) for PC
• 40 FM/AM Random Presets
• Bi-Directional, Preprogrammed, and Customizable RI Remote Control with Macro Presets for Four Activities

*1 Availability of ancillary services depends on region. Some services may require a firmware update. Availability of ancillary services advertised here is accurate at the time of printing but may be subject to change without notice. *2 Connectable with iPod touch/iPhone (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.
Incorporate Digital Libraries and Explore Online with Home Networking and Optional Bluetooth for Mobile Devices

Accessing your home network via LAN cable or optional UW-F1 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 iTunes Plus, etc. Plus, the built-in WPS (Wi-Fi Protected Setup) feature allows wireless connections to a compatible device. Handset compatibility is guaranteed with genuine Onkyo wireless products.

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 input video signals, allowing you to instantly switch between them. Source information such as resolution, aspect ratio, and copyright notices is also displayed if available.

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 Video**
  - 1080p sources to 4K (4096 x 2160) in a single pass, up to 1080p enhancement native high-definition sources: The chip employs multisampling technology, expanded 2:1 color processing, and four-field motion-adaptive de-interlacing Auto HQV™ enhances the incoming image, while HQV StreamClean™ cleans up video from lower-quality sources by eliminating mosquito and block noise.

- **Marvel Qdeo™ Technology**
  - Full HD 1080p input up to 1080p, and includes high-definition sound processors that use multi-core technology, expanded 2:1 color processing, and four-field motion-adaptive de-interlacing Auto Qdeo™ enhances the incoming image, while Qdeo StreamClean™ cleans up video from lower-quality sources by eliminating mosquito and block noise.

- **3D 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® and Android phone™ both provide intuitive ways to operate Onkyo network A/V components. Control input sources, adjust settings, and play audio stored in a smart phone wirelessly (Android phone) using the application’s interactive graphical display.

Three-High-Performance Sound Expansion Systems

A seven-channel system provides a more immersive entertainment experience, with additional High or Wide channels conveying you with realistic directional and ambient effects. Audyssey DSX®, Dolby® Pro Logic II® and DTS Neo:XC™ 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:XC offers ‘Wides or Heights with cinema, music, or game modes.

Audyssey MultEQ® XT32

Audyssey’s top-of-the-line room correction suite equalizes the sound to suit the unique acoustics of your listening environment. 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 flat-screen in the living room or bedroom—without having to buy and connect another Blu-ray player or set-top box. Connect your additional display to Port 3, your gaming console to Port 1, or your Blu-ray player to Port 4, and you can play and control the 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 VLS™ circuitry ensures minimal distortion. Quality circuitry dovetails with a heavy-duty power supply for instantaneous response to signal gains. The result is reliably pure, even under heavy loads.

SPECIFICATIONS

### Amplifier Section

<table>
<thead>
<tr>
<th>Power Output</th>
<th>Front L/R</th>
<th>200 W (8 Ω, 1 kHz, 10% THD, 1 Channel Driven, EC)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Center</td>
<td>200 W (8 Ω, 1 kHz, 10% THD, 1 Channel Driven, EC)</td>
</tr>
<tr>
<td></td>
<td>Surround L/R</td>
<td>200 W (8 Ω, 1 kHz, 10% THD, 1 Channel Driven, EC)</td>
</tr>
<tr>
<td></td>
<td>Total (200 W + 200 W)</td>
<td>400 W (8 Ω, 1 kHz, 10% THD, 2 Channels Driven, EC)</td>
</tr>
</tbody>
</table>

| Dynamic Power | 600 W (200 W + 200 W + 100 W) |

| Clamping Factor | 60% (Front, L/R) |

<table>
<thead>
<tr>
<th>Input Sensitivity and Impedance</th>
<th>200 mV (Line)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2.5 mV (Phono MM)</td>
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</tbody>
</table>

### Rca Cables

- Front Panel: 2.0 mV (Line) |
- Rear Panel: 2.5 mV (Phono MM) |

### Connection Port

- Remote Control: 2.5 mV (Phono MM) |
- Headphone: 2.5 mV (Phono MM) |

### Video Section

- Component Video Frequency Response: 0.15 W |
- Component Video Frequency Response: 0.7 W |
- Component Video Frequency Response: 1.0 W |

### Tuner Section

- Tuning Frequency Range: 87.5 MHz–108.0 MHz |
- AM: 522 kHz–1,611 kHz |
- FM: 87.5 MHz–108.0 MHz |

### PowerConsumption

- Power Supply: 200–240 V, 50/60 Hz |
- Power Consumption: 120 W |
- Standby Power Consumption: 0.25 W |

### Dimensions

- Dimensions (W x H x D): 183 mm x 486 mm x 486 mm |
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- Weight: 23 kg

### CARTON

- Weight: 23 kg

### Supplied Accessories

- * Indoor FM Antenna |
- * AM Loop Antenna |
- * Speaker Cable Labels |
- * Speaker Set-Up Microphone |
- * Instruction Manual |
- * Quick Start Guide |
- * Remote Controller (AA-RB) Batteries |

* Not included with Chinese model.