

TX-NR579 7.1-CHANNEL NETWORK A/V RECEIVER

BLACK | SILVER



Microphone for Audyssey



HDMI



NETWORK



RDS RI



Value and Versatility to Anchor Your Home Cinema

Combining network capabilities, 7.1-channel surround sound, and the pick of today's most vital home cinema features, the TX-NR579 brings a new degree of functionality to the entry level. Connected to a home network, this multi-talented receiver fills your living room with real-time audio from the internet or your PC. A front-side USB port offers the superior fidelity of a pure digital link to iPod/iPhone. The choice of connectors is further bolstered by a solid range of analog and digital jacks, powered Zone 2, and four HDMI® inputs to handle your high-def A/V devices. The TX-NR579's 7.1 channels enable the subtle surround effects of Dolby® Pro Logic® IIz, along with lossless Dolby® TrueHD and DTS-HD Master Audio™. On the video side, 4K upscaling via Marvell Qdeo™ creates a phenomenal big-screen experience. Meanwhile, Audyssey 2EQ® simplifies speaker set-up, while an overlaid on-screen display and GUI make it easy to adjust settings and navigate your contents. Notch up another Onkyo win for performance and affordability.

ADVANCED FEATURES

- HDMI® Support for 3D, Audio Return Channel, Deep Color™, x.v.Color™, LipSync, Dolby® TrueHD, DTS-HD Master Audio™, DVD-Audio, Super Audio CD, Multichannel PCM, and CEC
- HDMI Video Upscaling to 4K with Marvell Qdeo™
- Direct Digital Connection of iPod/iPhone via Front-Panel USB Port
- Dolby® Pro Logic® IIz for New Surround Channels
- Playback of Audio Files Through Local Network (MP3, WMA, WMA Lossless, FLAC, WAV, Ogg Vorbis, AAC, LPCM)
- Internet Radio and Music Streaming Service Connectivity (vTuner, Last.fm®, Napster®)
- Certified with Windows® 7 and DLNA Version 1.5
- Overlaid Graphical On-Screen Display (OSD) and GUI Navigation via HDMI

* Availability of services depends on region.

AMPLIFIER FEATURES

- 130 W/Ch at 6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC
- H.C.P.S. (High Current Power Supply) Massive High Power Transformer
- Optimum Gain Volume Circuitry
- PLL (Phase Locked Loop) Jitter-Cleaning Circuit Technology for S/PDIF Audio

PROCESSING FEATURES

- Dolby® TrueHD and DTS-HD Master Audio™ Decoding
- TI Burr-Brown 192 kHz/24-Bit DACs (PCM1690) 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
- Mass Storage Class USB Memory Playback Capability
- Theater-Dimensional Virtual Surround Function
- CinemaFILTER™
- Direct Mode
- Pure Audio Mode
- Double Bass Function
- Non-Scaling Configuration
- A-Form Listening Mode Memory

CONNECTION FEATURES

- 4 HDMI Inputs and 1 Output
- Universal Port for UP-AI Dock for iPod/iPhone or UP-DT1 DAB+ Radio Tuner
- HDTV-Capable (720p/1080i) Component Video Switching (2 Inputs and 1 Output)
- 5 Composite Video Inputs (1 Front/4 Rear) and 2 Outputs

- 4 Digital Audio Inputs (2 Optical and 2 Coaxial)
- 6 Analog Audio Inputs (1 Front/5 Rear) and 1 Output
- Subwoofer Pre Out
- Powered Zone 2 and Zone 2 Line-Out for Distributed Audio Playback in Another Room
- Color-Coded, Banana Plug-Compatible Speaker Posts (Except Zone 2)
- Headphone Jack

OTHER FEATURES

- Audyssey 2EQ® for Room Acoustic Correction
- Audyssey Dynamic EQ® for Loudness Correction
- Audyssey Dynamic Volume® to Maintain Optimal Listening Level and Dynamic Range
- 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 at 48 kHz)
- Tone Control (Bass/Treble) for Front L/R Channels
- 3-Mode Display Dimmer (Normal/Dim/Dimmer)
- RDS (PS/RT/PTY/TP)
- 40 FM/AM Random Presets
- Firmware Updates via Ethernet and USB
- RIHD (Remote Interactive over HDMI) for System Control
- Preprogrammed RI (Remote Interactive) Remote Control



TX-NR579 7.1-CHANNEL NETWORK A/V RECEIVER

HDMI® Support for 3D Video and Audio Return Channel

The four HDMI inputs on the TX-NR579 let you simultaneously connect high-def sources such as a Blu-ray player, a gaming console, and a cable/satellite tuner. A single output then sends a pristine signal to your connected high-resolution display. The HDMI implementation on this receiver supports both 3D video and an Audio Return Channel, along with numerous high-resolution formats. 3D video brings exciting possibilities to home entertainment, with movie, game, and broadcast content on the increase and 3D-compatible TVs now on the market. Meanwhile, the Audio Return Channel allows audio content received directly by your HDTV's tuner to be sent "upstream" via HDMI to your A/V receiver, without the need for a separate S/PDIF audio cable.

Network Capability Delivers Internet Radio and Network Audio Streaming via Ethernet

As one of Onkyo's new breed of receivers that can link directly to the internet or to your home PC via a local network, the TX-NR579 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-NR579 also brings to life a huge array of internet radio channels from Last.fm® and vTuner, plus on-demand music streaming from Napster®. 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-NR579's internet connectivity has the added benefit of making firmware updates simpler than ever.

*Availability of services depends on region.

Direct Digital Connection of iPod/iPhone via Front-Panel USB Port

The TX-NR579's front-panel USB port lets you access MP3, WMA, WMA Lossless, FLAC, WAV, Ogg Vorbis, and AAC audio files stored on a USB flash drive or iPod/iPhone. As the audio signals are transported in digital form, rather than analog, there is much less chance for signal degradation. End result: your music sounds cleaner and more faithful to the original. A further benefit of the USB input is that it lets you use the system's remote controller to play back audio files on the connected device.

Marvell Qdeo™ Video Chip for 4K Upscaling and Processing

The TX-NR579 offers full 4K (3840 x 2160) upscaling of standard video sources such as 480i/p, 720p, and 1080i/p. Interlaced-to-progressive conversion and scaling are performed by a high-quality Marvell Qdeo video-processing chip. Qdeo is a versatile video processor that uses algorithms designed to erase video noise and artifacts such as jaggies and feathering. Played back on a compatible wide-screen display, your Blu-ray Discs and DVDs will look more detailed and cinematic than ever.

Universal Port for Single-Cable Connection of Optional Onkyo Dock for iPod/iPhone or DAB+ Radio Tuner

A proprietary Universal Port located on the rear side of the TX-NR579 lets you connect an optional UP-A1 Dock for iPod/iPhone or UP-DT1 DAB+ Radio Tuner. A key advantage of the Universal Port is that it accepts video and audio signals through the same cable that sends a power supply from the receiver to the devices. Net result: more connectivity, less cable clutter.

Overlaid Graphical On-Screen Display and GUI Navigation

Changing the TX-NR579's settings is a seamless affair, thanks to the receiver's overlaid graphical On-Screen Display (OSD). Set-up menus appear overlaid on the video image you're watching, so you don't have to switch to a blank screen background. Meanwhile, a new GUI lets you smoothly navigate internet radio and iPod/iPhone contents. The OSD and GUI both operate over HDMI, making excellent use of that versatile interface.

A Suite of Audyssey Technologies for the Ideal Listening Environment

The TX-NR579 comes equipped with three sound-enhancing Audyssey technologies.

- (1) Audyssey 2EQ®** tailors multi-channel audio for your home cinema speaker set-up by measuring three room positions and applying a resolution filter to the satellite speakers to correct for room acoustics.
- (2) Audyssey Dynamic EQ®** maintains a consistent bass response, tonal balance, and surround-sound effect at different volume levels, so you can enjoy the natural dynamics of your content regardless of the volume.
- (3) Audyssey Dynamic Volume®** automatically compensates for volume fluctuations in different audio content—for example, during commercial breaks—while optimizing the dynamic range.

SPECIFICATIONS

Amplifier Section

Power Output	130 W/Ch
Front L/R	(6 Ω, 1 kHz, 1%, 1 channel driven, IEC)
Center	130 W
	(6 Ω, 1 kHz, 1%, 1 channel driven, IEC)
Surround L/R	130 W/Ch
	(6 Ω, 1 kHz, 1%, 1 channel driven, IEC)
Surround Back L/R, or Front High L/R	130 W/Ch
	(6 Ω, 1 kHz, 1%, 1 channel driven, IEC)
Dynamic Power	180 W (3 Ω Front)
	160 W (4 Ω Front)
	100 W (8 Ω Front)
THD+N (Total Harmonic Distortion + Noise)	0.08% (20 Hz–20 kHz, Half power)
Damping Factor	60 (Front, 1 kHz, 8 Ω)
Input Sensitivity and Impedance	200 mV/47 kΩ (Line)
Rated RCA Output Level and Impedance	200 mV/2.2 kΩ (Rec out)
Maximum RCA Output Level and Impedance	2.0 V/2.2 kΩ (Rec out)
Frequency Response	20 Hz–50 kHz/+1 dB, -3 dB (DSP bypass)
Tone Control	±10 dB, 50 Hz (Bass)
	±10 dB, 20 kHz (Treble)
Signal-to-Noise Ratio	100 dB (Line, IHF-A)
Speaker Impedance	6 Ω–16 Ω

Video Section

Input Sensitivity/Output Level and Impedance	
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)
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
	530 kHz–1,710 kHz
FM/AM Preset Memory	40 stations

General

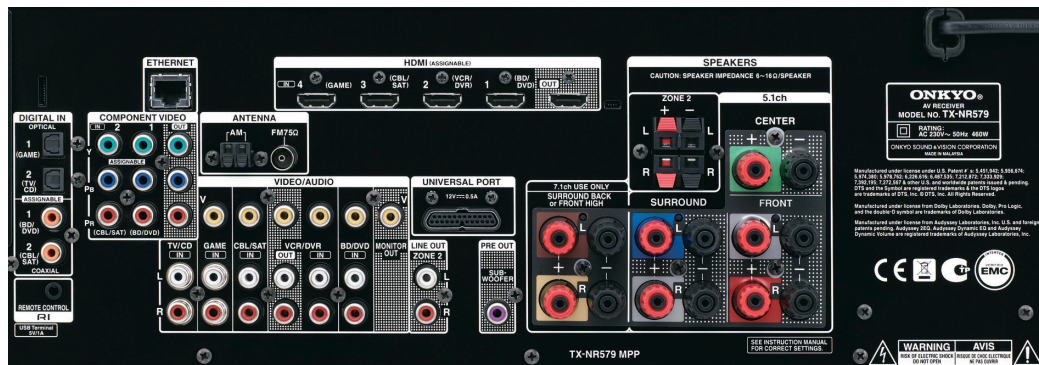
Power Supply	AC 230V~, 50 Hz
Power Consumption	460 W
Dimensions (W x H x D)	435 x 173.5 x 328 mm
Weight	9.5 kg

CARTON

Dimensions (W x H x D)	579 x 297 x 423 mm
Weight	13.0 kg

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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