

TX-NR525 5.2-Channel Network A/V Receiver

BLACK SILVER



Microphone for Audyssey



More Features, Better Sound for First-Time Buyers

The TX-NR525 has everything you need in an A/V receiver. There's wireless-ready networking with an expanded choice of internet streaming services to browse from your smartphone. You can send a range of audio formats from computer and NAS to the home cinema, or stream music stored on iPhone and Android devices using our remote app. We've included six HDMI® inputs for your media players and gaming consoles, enabled 4K video passthrough, and supported the latest hi-res audio and 3D video codecs. And it's a really simple receiver to use—our hi-def user interface even has thumbnail video previews so you can select content at a glance. Remote app control extends beyond the living room to the kitchen or deck, for example. Most importantly, the TX-NR525 delivers exceptionally good sound without blowing the budget. Five discrete amplifiers and a 192 kHz/24-bit TI Burr-Brown DAC pumps out thrilling surround for games and movies, while offering superb two-channel performance to the hi-fi enthusiast. Inclusions such as banana plug-compatible speaker posts and upgraded Audyssey MultEQ® room equalization make the TX-NR525 the best deal around for first-time buyers.

ADVANCED FEATURES

- 4K Passthrough Function from Compatible Source Devices via HDMI®
- Internet Radio and Music Streaming Service Connectivity (TuneIn Radio, Last.fm, Spotify, Aupéo!, and Simfy)¹
- Playback of Audio Files Through Local Network (MP3, WMA, VMA Lossless, FLAC, WAV, Ogg Vorbis, AAC, Apple Lossless, DSD, LPCM², and Dolby® TrueHD)
- Supports Onkyo Remote Apps for iPod touch/iPhone³ and Android Devices⁴
- Picture-in-Picture Input Source Preview with InstaPrevue™ Technology
- Direct Digital Connection of iPod/iPhone via Front-Panel USB Port
- Phase-Matching Bass Boost
- Audyssey MultEQ® for Room Acoustic Correction
- Audyssey Dynamic EQ® for Loudness Correction
- Audyssey Dynamic Volume® Automatic Listening-Level Adjustment
- Overlaid On-Screen Display (OSD) via HDMI with Quick Set-Up and Home Menu
- Zone 2 Line-Out for Distributed Audio Playback in Another Room
- Hybrid Standby Function to Reduce Power Consumption
- Smart Grid-Ready

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 publication, but may be subject to change without notice.
² LPCM is available via DLNA only.
³ Compatible with iPod touch (3rd generation or later) and iPhone 3GS or later. All models require iOS 4.2 or later.
⁴ Requires Android OS 2.1 or later.

AMPLIFIER FEATURES

- 130W/Ch (6 Ω, 1 kHz, 1% THD, 1 Channel Driven, IEC); 160W/Ch (6 Ω, 1 kHz, 1 Channel Driven, JEITA)
- WRAT (Wide Range Amplifier Technology)
- 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 for S/PDIF Audio

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 DAC 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
- Theater-Dimensional Virtual Surround Function
- CinemaFILTER™
- Direct Mode
- Pure Audio Mode
- Double Bass Function
- Non-Scaling Configuration
- A-Form Listening Mode Memory

CONNECTION FEATURES

- 6 HDMI Inputs and 1 Output
- 2 USB Ports (1 Front/1 Rear)
- Mass Storage Class USB Memory Playback Capability (Wide Selection of File Formats Supported)
- Compatible with UWF-1 Wireless LAN Adapter and UBT-1 Bluetooth USB Adapter (Sold Separately)⁵
- HDTV-Capable (720p/1080i) Component Video Switching (2 Inputs and 1 Output)
- 5 Composite Video Inputs (1 Front/4 Rear) and 1 Output
- 3 Digital Audio Inputs (1 Optical and 2 Coaxial)
- 6 Analog Audio Inputs (1 Front/5 Rear)
- 2 Parallel Subwoofer Pre-Outs
- Color-Coded, Banana Plug-Compatible Speaker Posts
- Headphone Jack

OTHER FEATURES

- 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 10 ms Steps at 48 kHz)
- Tone Control (Bass/Treble) for Front L/R Channels
- 3-Mode Display Dimmer (Normal/Dim/Dimmer)
- RDS (PS/RT/PTY/TP) (European Model Only)
- 40 FM/AM Random Presets
- Certified with DLNA Version 1.5
- Firmware Updates via Ethernet and USB
- RIHD (Remote Interactive over HDMI) for System Control
- Preprogrammed RI (Remote Interactive) Remote Control

⁵ UWF-1 is compatible with front-panel USB port only.



TX-NR525 5.2-Channel Network A/V Receiver

HDMI® for High Resolution Playback

The TX-NR525 features six HDMI inputs to accept hi-res content from your media players and gaming consoles. HDMI enables Dolby® TrueHD and DTS-HD Master Audio™ surround sound formats, and supports 3D video playback. The single output has an Audio Return Channel, so you can enjoy TV programs with home cinema sound.

Supports 4K Video Content

With 4K televisions, media players, and projectors already on the market, it's good to know your A/V receiver is fully compatible with this high display resolution technology. Passthrough of native 4K (or four times Full HD) from source devices to an appropriate display is supported on the TX-NR525.

Music Streaming and Internet Radio Services

Use our remote app to send a big range of hi-res, lossless, and compressed formats—including FLAC and Apple Lossless—from NAS and PC to your home cinema. The TX-NR525 comes preloaded with the most popular music streaming and internet radio services, such as Spotify, Last.fm, and TuneIn Radio, which you can browse using the app. You can also stream the songs stored on your iPhone or Android device directly to your receiver for playback.

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

Quick and Easy Remote Control

Our remote apps for iPod touch/iPhone and Android devices offer a convenient way to control your home entertainment from anywhere within wireless range. The app offers a clear graphical interface for controlling playback, adjusting settings, and handling content across multiple zones.

Easy Input Source Selection

We think switching between games, movies, and cable TV should be easy. InstaPrevue™ technology names your devices and displays video thumbnails instead of anonymous port numbers. You can preview connected content from the Input Selection menu, and choose an HDMI source without having to remember what device is connected where.

Overlaid Menus for Quick Adjustments

Touch the Quick Set-Up button on your remote to overlay menus on the program being viewed. From here, you can switch inputs or gain access to frequently used audio/video settings without interruption to your viewing. Similarly, the Home Menu button calls up simple icons for choosing a media source, and menus for accessing detailed system settings.

An Introduction to the Onkyo Sound

Onkyo's WRAT (Wide Range Amp Technology) enhances audio fidelity across a wide frequency range. It includes low negative-feedback amp topology for clear, true-to-life sound; closed ground-loop circuits to reduce noise; and high instantaneous current capability to effortlessly handle big dynamic gains. WRAT amps feature a discrete output stage for longer life and cooler running.

Good Quality Digital-to-Analog Converter

The TX-NR525 employs a 192 kHz/24-bit TI Burr-Brown DAC for excellent dynamic performance and improved tolerance to clock jitter, which translates as clearer, more expressive sound from your speakers.

Phase-Matching Bass Enhancement

Onkyo's PM Bass optimizes low frequencies while preserving mid-range clarity. It counters phase shifting (which can negatively affect sound quality) by synchronizing the timing of different frequencies. The result is deep, well-defined bass that won't blur vocals or strings.

Audyssey MultEQ®

MultEQ calibrates and equalizes your system to optimize the sound for the shape of your room. Measuring six listening positions, MultEQ applies resolution filters to satellites and subwoofers to create a more balanced soundstage.

Audyssey Dynamic EQ®

Dynamic EQ solves the problem of deteriorating sound quality at low volume. It selects the best possible frequency response and surround levels moment-by-moment, resulting in an optimal listening experience at any volume.

Audyssey Dynamic Volume®

Audyssey Dynamic Volume® automatically compensates for volume fluctuations in different audio content—for example, during noisy commercial breaks—and adjusts the volume in real time.

Clearer Sound with Direct-Digital USB

The TX-NR525 features two USB ports to connect iPod/iPhone and mass storage devices loaded with music. The connection carries signals to the receiver in digital format, giving a noticeable boost to audio quality.

Ready for the Wireless Home Network

Our optional UWF-1 Wireless LAN Adapter helps you integrate your music life without messy wires. Simply plug it into your network receiver's front USB port and enjoy reliable wireless access to the local network.

Bluetooth Streaming Technology

With the remarkable aptX® enhancement codec and improved capabilities of Bluetooth Version 3.0, our optional UBT-1 adapter offers wireless sound quality approaching that of CD audio. Simply plug it into a USB port on the TX-NR525 to send audio wirelessly from a wide range of electronic devices.

Hybrid Standby to Save Power

HDMI passthrough and network connectivity are maintained while the receiver is powered down. This facilitates use of your TV and other connected devices without turning on the receiver, saving energy and money. The TX-NR525 is also compliant with the Smart Grid system.

SPECIFICATIONS

Amplifier Section

Power Output	
Front L/R	130 W/Ch (6 Ω, 1 kHz, 1% THD, 1 Channel Driven, IEC) 160 W/Ch (6 Ω, 1 kHz, 1 Channel Driven, JEITA)
Center	130 W (6 Ω, 1 kHz, 1% THD, 1 Channel Driven, IEC) 160 W (6 Ω, 1 kHz, 1 Channel Driven, JEITA)
Surround L/R	130 W/Ch (6 Ω, 1 kHz, 1% THD, 1 Channel Driven, IEC) 160 W/Ch (6 Ω, 1 kHz, 1 Channel Driven, JEITA)
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 (Line Out)
Maximum RCA Output Level and Impedance	
	2.0V/2.2 kΩ (Line Out)
Frequency Response	
	5 Hz–100 kHz/+1 dB, -3 dB (DSP Bypass)
Tone Control	
	±10 dB, 20 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	1.0Vp-p/75 Ω (Component Y) 0.7Vp-p/75 Ω (Component Pb/Cb, Pr/Cr) 1.0Vp-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 (Asian Model: AC 220–240V~, 50/60 Hz)
Power Consumption	
	400 W (Asian Model: 420 W)
No-Sound Power Consumption	
	230 V: 60 W, 240 V: 65 W
Standby Power Consumption	
	0.2 W
Dimensions (W x H x D)	
	435 x 173.5 x 328 mm
Weight	
	9.0 kg
CARTON	
Dimensions (W x H x D)	
	570 x 297 x 423 mm
Weight	
	11.5 kg

Supplied Accessories

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

*Included with Chinese model only.

**Not included with Chinese model.



Text on receiver may vary with region.

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