

TX-NR545 7.2-Channel Network A/V Receiver

BLACK



Discover the Balance of Power and Performance

The 7.2-channel TX-NR545 Network A/V Receiver is the best-equipped receiver in its class, delivering powerful audio. Built-in AirPlay, Wi-Fi®, Bluetooth streaming, Spotify Connect, Pandora, and more let you enjoy streaming media. Ready for UltraHD video and premium 4K content, the TX-NR545 features HDMI® and HDCP 2.2 compatibility. A premium 384 kHz/32-bit hi-grade AKM DAC unlocks the full potential of all your audio, including multidimensional Dolby Atmos®, DTS-HD Master Audio™, and Hi-Res audio formats. It's also very easy to use—there's easy music streaming and system control using the free remote control app and a Quick Setup function that lets you adjust settings without interrupting playback. With 115 W/Ch, the TX-NR545 powerfully drives your movies, games, and music with superior clarity and energy.

HIGHLIGHTS

- Supports Dolby Atmos up to 5.1.2 Channels
- 115 W per Channel
- HDMI® 6 In / 1 Out (4K UltraHD / 4:4:4 / HDCP 2.2)
- True Driving Power from Discrete Amp Circuits
- Bluetooth Audio / Wi-Fi with Pandora, Spotify, and AirPlay
- DSD 5.6 MHz, FLAC 192 kHz/24-bit Hi-Res Audio Capable
- 384 kHz/32-bit Hi-Grade DAC
- AccuEQ Room Acoustic Calibration
- HDMI Up-Conversion to One Cable

ADVANCED FEATURES

- 4K/60 Hz-Capable HDMI® Terminals for UltraHD Entertainment, including 4:4:4 Color Space
- Built-in Wi-Fi® Certified Wireless LAN Capability
- Bluetooth Version 2.1 + EDR Capability (Compatible Profile: A2DP v1.2, AVRCP v1.3) with Advanced Music Optimizer DSP Technology
- Internet Radio and Music Streaming Subscription Services Included (TuneIn Radio, Pandora®, Slacker™, SiriusXM Internet Radio®, Spotify, and Deezer)†
- Playback Compressed, Lossless, and Hi-Res Audio via Local Network (MP3, WMA, WMA Lossless, FLAC, WAV, Ogg Vorbis, AAC, Apple Lossless, DSD 5.6 MHz, LPCM)‡
- Proprietary AccuEQ Room Calibration with Mic Included
- Advanced Music Optimizer to Improve Compressed Digital Audio Quality (Bluetooth Audio Included)
- Control and Stream with Free Onkyo Remote Streaming Apps for iPod touch®/iPhone® and Android™ Devices*2

- Phase-Matching Bass Boost for Deep Bass and Clear Mid-Range
- Powered Zone 2 & Zone 2 Line-Out for Distributed Audio Playback in Another Room

*1 Availability of services depends on region. Some services may require a paid subscription and 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 supported 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 2.1 or later.

AMPLIFIER FEATURES

- 115 W/Ch (6 Ohms, 1 kHz, 0.9% THD, 1 Channel Driven, FTC); 65 W/Ch (8 Ohms, 20 Hz–20 kHz, 0.7% THD, 2 Channels Driven, FTC)
- 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

- Dolby Atmos® Decoding
- HDMI® Support for 4K/60 Hz and 4:4:4 Color Space, 3D, Audio Return Channel, DeepColor™, x.v.Color™, LipSync, Dolby Atmos®, Dolby® TrueHD, DTS-HD Master Audio™, DVD-Audio, Super Audio CD, Multichannel PCM, and CEC
- AK4458 384 kHz/32-bit DAC (8 Channels x 1)
- Advanced 32-bit DSP Chip
- 4 DSP Modes for Gaming: Rock, Sports, Action, and RPG
- Theater-Dimensional Virtual Surround Function
- CinemaFILTER™
- Direct Mode
- Double Bass Function

- Non-Scaling Configuration
- A-Form Listening Mode Memory

CONNECTION FEATURES

- 6 HDMI® Inputs and 1 Output
- USB Port (Rear) (5V, 1 A)
- Mass Storage Class USB Memory Playback Capability
- 2 Component Video Inputs (Rear)
- 4 Composite Video Inputs (1 Front/3 Rear)
- 3 Digital Audio Inputs (2 Optical and 1 Coaxial)
- 8 Analog Audio Inputs (1 Front/7 Rear)
- 2 Parallel Subwoofer Pre-Outs
- Banana Plug-Compatible Speaker Posts
- 1/4" 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 500 ms in 10 ms Steps at 48 kHz)
- Overlaid On-Screen Display (OSD) via HDMI with Quick Set-Up
- Hybrid Standby Function with HDMI Passthrough to Reduce Power Consumption
- Smart Grid-Ready
- Tone Control (Bass/Treble) for Front L/R Channels
- 3-Mode Display Dimmer (Normal/Dim/Dimmer)
- 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
- Compatible with RI Dock for iPod/iPhone and AirPlay (DS-A5)
- Preprogrammed RI (Remote Interactive) Remote Control

TX-NR545 7.2-Channel Network AV Receiver

Extraordinary Dolby Atmos®

Dolby Atmos transports you into an extraordinary surround sound experience with captivating, multidimensional sound objects that fill your room and flow all around you. This 7.1-channel receiver can power a 5.1.2-channel Dolby Atmos speaker setup: 5.1 standard surround configuration plus two in-ceiling or height channels: 5.1.2.



HDMI® 6 In / 1 Out for UltraHD

The latest HDMI specification and HDCP 2.2 compatibility support the latest formats and technologies planned for Hollywood content. This latest HDMI spec offers a significant increase in bandwidth (up to 18Gbps) to support new features such as 4K@50/60 (2160p), which is 4 times the clarity of 1080p/60 video resolution, and 4:4:4 color space.



HDCP2.2

True Power from Discrete Amplifiers

Discrete Amps deliver high instantaneous current to increase speaker control for accurate and dynamic audio reproduction. This precise power is the cornerstone of Onkyo's amplification philosophy.



Bluetooth Streaming / Wi-Fi® with Pandora, Spotify, and AirPlay

Stream virtually any audio from your smartphone, tablet, or PC to your home theater for clear and powerful sound.



Hi-Res Audio Capable

Onkyo A/V receivers are engineered for universal Hi-Res compatibility and ease of use. Use the remote app to locate your Hi-Res albums (including 5.6 MHz DSD playback) on PC or network-attached storage and bask in the clarity, depth, and detail of high-resolution music.



384 kHz/32-bit Hi-Grade DAC

A premium-quality AK4458 digital-to-analog converter from Asahi Kasei unlocks the full potential of any audio format, thanks to unique low-distortion filtering technologies for clear sound.



SPECIFICATIONS

Amplifier Section

Power Output	All Channels 115 W/Ch (6 Ohms, 1 kHz, 0.9% THD, 1 Channel Driven, FTC)
	65 W/Ch (8 Ohms, 20 Hz-20 kHz, 0.7% 2 Channels Driven, FTC)
Dynamic Power	160 W (3 Ohms, Front)
	125 W (4 Ohms, Front)
	85 W (8 Ohms, Front)
THD+N (Total Harmonic Distortion + Noise)	0.08% (20 Hz-20 kHz, Half Power)
Damping Factor	60 (Front, 1 kHz, 8 Ohms)
Input Sensitivity and Impedance	200 mV/47 k-ohms (Line)
Rated RCA Output Level and Impedance	100 mV/2.2 k-ohms (Zone 2 Line Out)
	1V/470 ohms (Subwoofer Pre Out)
Maximum RCA Output Level and Impedance	1.0V/2.2 k-ohms (Zone 2 Line Out)
	2.0V/470 ohms (Subwoofer Pre Out)
Frequency Response	10 Hz-100 kHz/+1 dB, -3 dB (Direct Mode)
Tone Control	±10 dB, 20 Hz (Bass)
	±10 dB, 20 kHz (Treble)
Signal-to-Noise Ratio	100 dB (Line, IHF-A)
Speaker Impedance	6 Ohms-16 Ohms

Video Section

Input Sensitivity/Output Level and Impedance	Video 1.0Vp-p/75 Ohms (Component Y)
	0.7Vp-p/75 Ohms (Component PB/CB, PR/CR)
	1.0Vp-p/75 Ohms (Composite)
Component Video Frequency Response	5 Hz-13.5 MHz/+0 dB, -3 dB

Tuner Section

Tuning Frequency Range	FM 87.5 MHz-107.9 MHz
	AM 530 kHz-1,710 kHz
FM/AM Preset Memory	40 Stations

General

Power Supply	AC 120V~ 60 Hz
Power Consumption	4.3 A
No-Sound Power Consumption	60 W
Standby Power Consumption	0.1 W
Dimensions (W x H x D)	17 1/8" x 6 7/16" x 12 5/16" (435 x 173.5 x 329 mm)
Weight	19.0 lbs. (8.6 kg)
CARTON	
Dimensions (W x H x D)	22 7/16" x 11 3/16" x 16 5/8" (570 x 287 x 423 mm)
Weight	25.4 lbs. (11.5 kg)

UPC CODE

(B)	751398012204
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Supplied Accessories

- Indoor FM antenna • AM loop antenna
- Speaker setup microphone • Instruction manual
- Remote controller • AA (R6) batteries x 2



Text on receiver may vary with region.

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