

# TX-NR545 7.2-Channel Network A/V Receiver

BLACK | SILVER



HDCP 2.2



384kHz/32-bit



## 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, and more let you enjoy streaming media. Ready for UltraHD video and premium 4K content, the TX-NR545 features the latest HDMI® terminals 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 120 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
- 120 W per Channel
- HDMI 6 In / 1 Out (4K UltraHD / HDCP 2.2)
- True Driving Power from Discrete Amp Circuits
- Bluetooth Audio / Wi-Fi with 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

### ADVANCED FEATURES

- 4K/60 Hz-Capable HDMI® Terminals for Ultra HD Entertainment
- 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, Spotify, and Deezer)<sup>\*1</sup>
- 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<sup>\*2</sup>)
- 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<sup>\*3</sup> and Android™ Devices<sup>\*4</sup>

- Phase-Matching Bass Boost for Deep Bass and Clear Mid-Range
- 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

- 120 W/Ch (6 Ω 1 kHz, 1% THD, 1 Channel Driven, IEC); 120 W/Ch (6 Ω, 1 kHz, 1% THD, 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

- Dolby Atmos® Decoding
- HDMI® Support for 4K/60 Hz, 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
- Dolby® TrueHD and DTS-HD Master Audio™ Decoding
- 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
- 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
- Headphone Jack

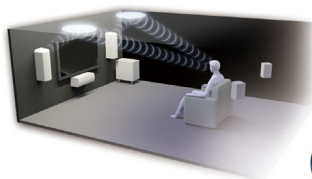
### OTHER FEATURES

- 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 A/V 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

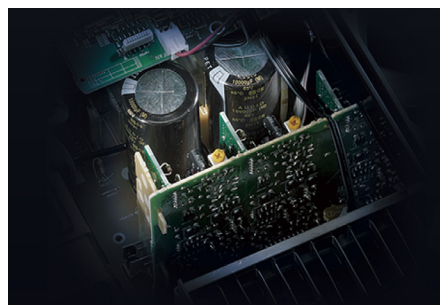
All HDMI terminals support the latest TV video displays, and with three inputs handling HDCP 2.2 copy protection encoded in content from movie studios, broadcasters, and streaming services, for next-generation UltraHD.



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 Spotify and AirPlay

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



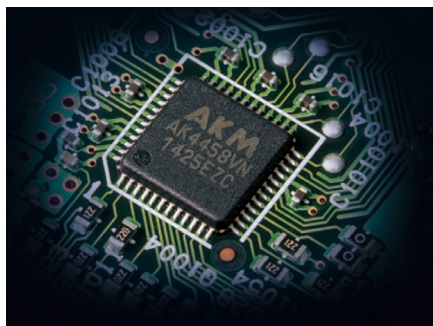
## Hi-Res Audio Capable

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

<b>Power Output</b>	
All Channels	120 W/Ch (6 Ω, 1 kHz, 1%THD, 1 Channel Driven, IEC)
	120 W/Ch (6 Ω, 1 kHz, 1%THD, 1 Channel Driven, JEITA)
<b>Dynamic Power</b>	
	160 W (3 Ω, Front)
	125 W (4 Ω, Front)
	85 W (8 Ω, Front)
<b>THD+N (Total Harmonic Distortion + Noise)</b>	
	0.08% (20 Hz-20 kHz, Half Power)
<b>Damping Factor</b>	
	60 (Front, 1 kHz, 8 Ω)
<b>Input Sensitivity and Impedance</b>	
	200 mV/47 kΩ (Line)
<b>Rated RCA Output Level and Impedance</b>	
	100 mV/2.2 kΩ (Zone 2 Line Out)
	200 mV/470 Ω (Subwoofer Pre Out)
<b>Maximum RCA Output Level and Impedance</b>	
	1.0 V/2.2 kΩ (Zone 2 Line Out)
	2.0 V/2470 Ω (Subwoofer Pre Out)
<b>Frequency Response</b>	
	10 Hz-100 kHz/+1 dB, -3 dB (Direct Mode)
<b>Tone Control</b>	
	±10 dB, 20 kHz (Bass)
	±10 dB, 20 kHz (Treble)
<b>Signal-to-Noise Ratio</b>	
	100 dB (Line, IHF-A)
<b>Speaker Impedance</b>	
	6 Ω-16 Ω

### Video Section

<b>Input Sensitivity/Output Level and Impedance</b>	
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)
<b>Component Video Frequency Response</b>	
	5 Hz-13.5 MHz/+0 dB, -3 dB

### Tuner Section

<b>Tuning Frequency Range</b>	
FM	87.5 MHz-108 MHz
	87.5 MHz-107.9 MHz (Taiwan)
AM	522 kHz-1,611 kHz
	530 kHz-1,710 kHz
	530 kHz-1,710 kHz (Taiwan)
<b>FM/AM Preset Memory</b>	
	40 Stations

### General

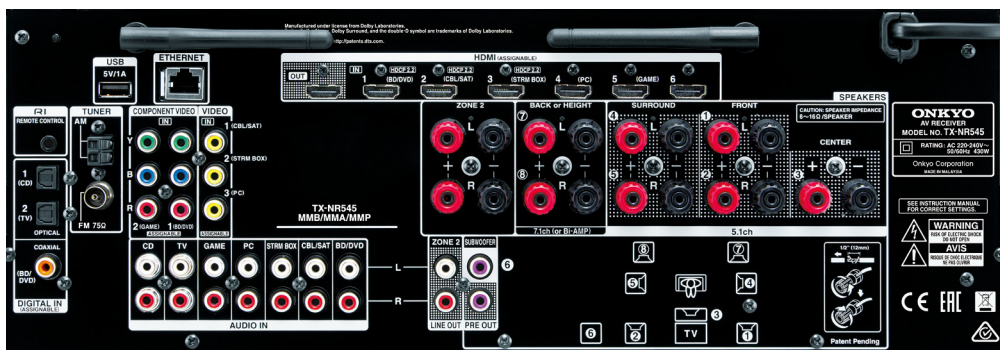
<b>Power Supply</b>	
	AC 220-240 V~, 50/60 Hz
	AC 120 V~, 60 Hz (Taiwan Model)
<b>Power Consumption</b>	
	430 W
<b>No-Sound Power Consumption</b>	
	60 W
<b>Standby Power Consumption</b>	
	0.15 W
<b>Dimensions (W x H x D)</b>	
	435 x 173.5 x 329 mm
<b>Weight</b>	
	8.6 kg

### CARTON

<b>Dimensions (W x H x D)</b>	
	570 x 287 x 423 mm
<b>Weight</b>	
	11.5 kg

### 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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