

TX-NR414 5.1-Channel Network A/V Receiver

BLACK | SILVER



HDMI

DOLBY
TRUEHD

DTS-HD

WRAT
WIDE RANGE AMP TECHNOLOGYCINEMA
FILTER192 kHz
24-bit

iPod/iPhone

vTuner

NETWORK

DLNA
CERTIFIED

LAST.FM

MP3TUNES

SPOTIFY

AUPEO!

PERSONAL RADIO

vTuner

USB RIHD

Theater-Dimensional

RDS RI

iPod/iPhone

Made for
iPod iPhone

Top-End Features at a Realistic Price

Home networking for PC- and cloud-based audio. Six HDMI® inputs. WRAT noise-reduction suite. Powerful and immersive 5.1 surround. High-Definition audio decoding and 3D video support. If all this sounds like an AVR that's beyond your budget, get ready to be pleasantly surprised. Onkyo's TX-NR414 Network A/V Receiver boasts all this and more. For a start, the receiver incorporates InstaPrevue™ technology, a new picture-in-picture HDMI input source preview system that greatly simplifies the operation of your home cinema. Or try the HDMI-linked overlaid on-screen display, making mid-program setting adjustments quick and easy. There's also a USB port for direct-digital iPod/iPhone connection, Zone 2 line-outs for playback of a different stereo source in another room, digital music file enhancement, top-shelf build quality, and the purity of sound for which our brand is famous. And the price tag? Let's just say HD playback isn't the only realistic thing about this potent AVR.

ADVANCED 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
- Dolby® TrueHD and DTS-HD Master Audio™ Decoding
- Direct Digital Connection of iPod/iPhone via Front-Panel USB Port
- Internet Radio and Cloud Music Streaming Service Connectivity (Last.fm, MP3tunes, Spotify, AUPEO!, vTuner)^{*1}
- Picture-in-Picture Input Source Preview with InstaPrevue™ Technology
- Playback of Audio Files Through Local Network (MP3, WMA, WMA Lossless, FLAC, WAV, Ogg Vorbis, AAC, LPCM)
- Supports Onkyo Remote Apps for iPod touch/iPhone^{*2} and Android Phone^{*3}
- WRAT (Wide Range Amplifier Technology)
- Overlaid On-Screen Display (OSD) 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

*1 Availability of services depends on region. Some services may require a firmware update. *2 Compatible with iPod touch (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.

AMPLIFIER FEATURES

- 130 W/Ch (6 Ω, 1 kHz, 1% THD, 1 Channel Driven, IEC); 160 W/Ch (6 Ω, 1 kHz, 1 Channel Driven, JEITA)
- 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

- TI Burr-Brown 192 kHz/24-Bit DACs 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 and Pure Audio Mode
- Double Bass Function
- Non-Scaling Configuration
- A-Form Listening Mode Memory

CONNECTION FEATURES

- 6 HDMI Inputs and 1 Output
- Front-Panel USB Port

- Mass Storage Class USB Memory Playback Capability
- Compatible with Optional UWF-1 Wireless LAN Adapter via USB
- HDTV-Capable (720p/1080i) Component Video Switching (2 Inputs and 1 Output)
- 5 Composite Video Inputs (1 Front/4 Rear) and 1 Output
- 4 Digital Audio Inputs (2 Optical and 2 Coaxial)
- 6 Analog Audio Inputs (1 Front/5 Rear)
- Subwoofer Pre-Out
- Color-Coded, Banana Plug-Compatible Speaker Posts
- Headphone Jack

OTHER FEATURES

- Crossover Adjustment (40/50/60/70/80/90/100/120/150/200 Hz)
- A/V Sync Control (Up to 400 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) (European Model Only)
- 40 FM/AM Random Presets
- Certified with Windows® 7 and DLNA Version 1.5
- Firmware Updates via Ethernet and USB
- RIHD (Remote Interactive over HDMI) for System Control
- Preprogrammed RI (Remote Interactive) Remote Control



TX-NR414 5.1-Channel Network A/V Receiver

Cloud-Based Audio Streaming and Internet Radio Over the Home Network

Connecting to the internet and your home PC via a local network, the TX-NR414 makes streaming audio and internet radio easy. You can also play MP3, WMA, WMA Lossless, FLAC, WAV, Ogg Vorbis, AAC, and LPCM audio files stored on your PC through your Onkyo system with stunning power and fidelity. The receiver offers access to internet radio channels from Last.fm and vTuner, plus cloud-based music streaming from Spotify, AUPEO!, and MP3tunes*. Internet connectivity has the added benefit of making firmware updates simpler than ever.

*Availability of services depends on region. Some services may require a firmware update.

Audio Return Channel and 3D Video via HDMI®

Six HDMI inputs on the TX-NR414 allow seamless integration of high-definition devices such as Blu-ray players, cable/satellite tuners, and gaming consoles. HDMI implementation on this receiver also supports an Audio Return Channel, allowing TV audio to be sent upstream to the A/V receiver. That means you can enjoy television programs in magnificent Onkyo sound. HDMI also supports 3D video and other popular high-resolution formats.

InstaPrevue™ Technology Makes Switching Sources Easy

The TX-NR414 incorporates InstaPrevue visual port management technology, making input source selection much easier. InstaPrevue technology provides a live video thumbnail of the available content on your devices connected via HDMI. You no longer have to remember that your gaming console is connected to Port 3, or your BD player to Port 1, for example—you can see what's playing and choose accordingly.

Onkyo Remote Apps for iPod touch/iPhone and Android

The Onkyo Remote App 2 for iPod touch/iPhone*1 and Onkyo Remote for Android*2 both provide an intuitive way to operate Onkyo network A/V receivers. Control input sources, adjust settings, and play audio stored in a smartphone wirelessly (Android only) using the application's interactive graphical display. The two Remote Apps are available separately as free downloads.

*1 Compatible with iPod touch (3rd generation or later) and iPhone 3GS or later. All models require iOS 4.2 or later. *2 Requires Android OS 2.1 or later.

Save Power with Hybrid Standby

Hybrid Standby provides 'HDMI through' functionality while the receiver sleeps, so you don't have to fully power up to watch a Blu-ray or play a game using just your TV's sound. The receiver also maintains a local network connection when on Hybrid Standby mode, so you can switch the unit on at any time using the Onkyo remote apps for iPod touch/iPhone and Android.

WRAT (Wide Range Amplifier Technology) Delivers Higher Fidelity

WRAT is a suite of proprietary technologies Onkyo developed to improve signal-to-noise ratios, and enhance the fidelity of amplified audio. The technologies work to reduce noise across the frequency range, guaranteeing a clear, well-balanced performance. It does this by employing a low negative-feedback amplifier design; using "closed" ground-loop circuitry to cancel noise from individual circuits; and by ensuring high instantaneous-current capability to cancel reflex energy and impedance fluctuations from the speakers.

Overlaid On-Screen Display with Quick Set-Up Menu

The receiver's HDMI-linked On-Screen Display (OSD) makes initial set-up and in-program calibration very easy. The 'Q' button on your remote overlays a transparent 'Quick Setup' menu on the program you're watching. This handy shortcut includes the most frequently used settings, and helps you optimize your home cinema's performance with the minimum of disruption. The 'Home' button accesses standard set-up menus for more detailed adjustment.

Enjoy Lossless High-Definition Movie Soundtracks

The TX-NR414 can decode Dolby® TrueHD and DTS-HD Master Audio™—two "lossless" Blu-ray formats that deliver a soundtrack identical to the studio master. The TX-NR414 also handles Dolby® Digital Plus and DTS-HD High Resolution Audio™. Dolby Digital Plus is designed to accompany HD video delivered via disc media, television broadcasts, and online content. DTS-HD High Resolution Audio, meanwhile, offers a higher bit and sampling rate than the core DTS technology.

Direct Digital iPod/iPhone Connection for Cleaner Sound

The TX-NR414's front-panel USB port lets you play MP3 and AAC stored on an iPod/iPhone, and MP3, WMA, AAC, and FLAC audio files stored on a flash-memory device using the system's own remote for track selection and playback. Your music will also sound much cleaner and clearer, as the audio signal is transported in digital form (rather than analog) via the direct digital connection.

Top-Quality DACs Deliver Clearer Sound

Digital-to-Analog converters are of particular importance to audio fans seeking excellent sound reproduction, and the TX-NR414 features reliable, high-performance 192 kHz/24-bit chips from Burr-Brown. As well as optimizing analog performance, these DACs are highly resistant to "clock jitter", a subtle form of digital distortion.

Playback of Different Audio Sources in Two Zones

Zone 2 line-outs on the TX-NR414 allow you to enjoy surround-sound entertainment in the main room, while playing back a different stereo source in a second zone equipped with an amplifier and a pair of speakers.

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) 165 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 Ω (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	
	5 Hz–100 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 (Asian Model: AC 220–240V~, 50/60 Hz)
Power Consumption	
	400 W (Asian Model: 450 W)
Standby Power Consumption	
	0.2 W
Dimensions (W x H x D)	
	435 x 173.5 x 328 mm
Weight	
	9.0 kg (Asian Model: 9.4 kg)

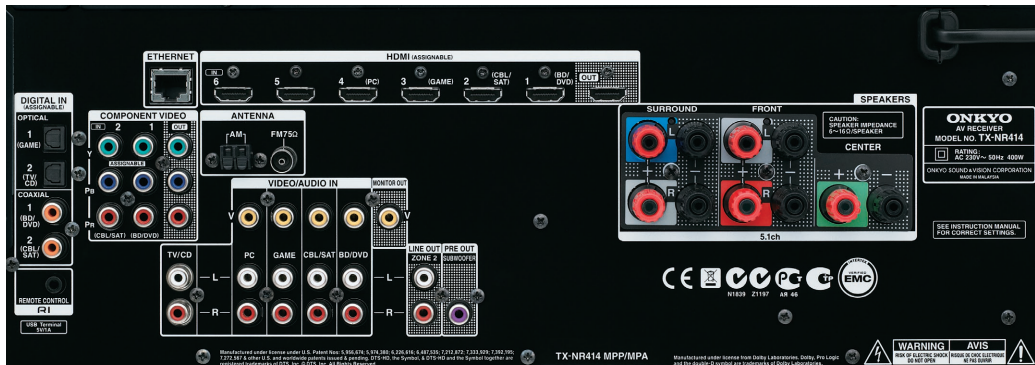
CARTON

Dimensions (W x H x D)	
	570 x 297 x 423 mm
Weight	
	11.5 kg (Asian Model: 12.0 kg)

Supplied Accessories

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

*Not included with Chinese model.



Text on receiver may vary with region.

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