

TX-NR808 7.2-Channel Network AV Receiver

BLACK



The less-used controls are neatly tucked away behind the drop-down panel.



The Heart and Soul of Networked Home Entertainment

Meet Onkyo's mid-range powerhouse. The TX-NR808 earns its prestigious THX® Select2 Plus™ certification by blending the latest connectivity and processing technology with Onkyo's renowned amplification prowess. As a network-capable receiver, the TX-NR808 is your gateway to streaming audio from your PC or internet radio. Other connection highlights include seven HDMI® 1.4a inputs with 3D and Audio Return Channel capability; 7.1-multichannel analog inputs for legacy components; a Universal port for Onkyo peripherals; a USB port for iPod® models and flash memory devices; and an analog RGB video input for your PC. Employing two advanced 32-bit DSP chips and low-jitter 24-bit Burr-Brown DACs, the TX-NR808 effortlessly handles your audio-processing needs. Whether it's lossless Dolby and DTS formats on Blu-ray Disc, or new-dimension surround formats from Audyssey and Dolby, your audio signals retain every lifelike nuance. All things considered, the TX-NR808 is a serious challenger for the middleweight crown.

HDMI® 1.4a Support for 3D Video and Audio Return Channel

The seven HDMI 1.4a inputs on the TX-NR808 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. As the latest version of this connector, HDMI 1.4a adds the exciting possibilities of 3D video and an Audio Return Channel. 3D video is the next big thing in home entertainment, with movie, game, and broadcast content on the increase and 3D-compatible TVs coming to market. The TX-NR808 also offers the convenience of an Audio Return Channel via HDMI. Audio content received directly by your HDTV's tuner can be sent "upstream" to your A/V receiver, without the need for a separate S/PDIF audio cable.

PC Audio and Internet Radio via Network Function with DLNA 1.5 and Windows® 7 Compatibility

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-NR808 takes streaming audio and internet radio to a whole new level. MP3, WMA, WMA Lossless, FLAC, WAV, Ogg Vorbis, AAC, and LPCM audio files—whether on your PC or from the internet—can now be played back through your main system with unprecedented power and fidelity. The TX-NR808 brings to life a huge array of internet radio channels from Pandora®, SIRIUS Internet Radio®, vTuner, and more*. As well as being compatible with earlier platforms, the receiver is compatible with Microsoft's new Windows 7 platform, which includes the DLNA

1.5-specified "Play To" media-streaming feature. Another benefit of having the TX-NR808 connected to the internet is that you can then easily update its firmware. *Availability of services depends on region.

Audyssey DSX™ and Dolby® Pro Logic® IIz Add New Dimensions to Surround Sound

The TX-NR808 handles two new surround-sound technologies from Audyssey and Dolby that offer exciting new ways to set up the speakers in your home theater system. Audyssey DSX lets you incorporate "front wide" speakers, in place of the usual surround back speakers, to expand the width of the soundstage. Set up at a recommended 60° off center; these channels help to produce a more realistic soundstage and a more immersive listening experience. Alternatively, Audyssey DSX can reconfigure the TX-NR808's surround back channels to deliver "front height" channels. These channels carry ambient, non-directional audio that adds a new vertical dimension to your movies and games. Dolby Pro Logic IIz provides a similar front-height speaker option that likewise works to create a more enveloping home theater experience.

THX® Select2 Plus™ Certified

THX Select2 Plus certification is specified for rooms where the screen-to-seat viewing distance is 10 to 12 feet and the room volume is around 2000 cubic feet. To achieve THX Select2 Plus certification, the TX-NR808 had to meet the world's most demanding standards for home theater audio quality and performance, and play at reference volume levels with minimal distortion.



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HDMI Video Upscaling to 1080p with Faroudja DCDi Cinema™

When it comes to video processing, Faroudja DCDi Cinema offers several advantages. This processor can accept any video signal, regardless of the source resolution, and upscale it to 1080p to match the native resolution of your high-definition display. What's more, DCDi Cinema effectively removes video artifacts such as jagged edges during the video signal deinterlacing process. You get to enjoy smooth progressive scan video images, even for fast-moving sports and action scenes.

PLL (Phase Locked Loop) Jitter-Cleaning Circuit Technology

Jitter is an unwanted side-effect of the digital-to-analog conversion process. Caused by fluctuations in the time domain of a digital signal, jitter has a detrimental impact on perceived audio quality. PLL jitter-cleaning circuit technology reduces jitter by comparing the input and output phases of the digital signal and creating an accurate clock waveform. This enhances the precision of digital signal processing and noticeably improves audio quality. Jitter-cleaning technology works both for digital signals input via HDMI and for digital signals converted from analog signals inside the receiver itself.

Playback of Different Audio Sources in Up to Three Rooms

With Powered Zone 2, you can enjoy surround-sound entertainment in the main room, while playing back a different stereo source in a second zone equipped with a pair of speakers. Alternatively, you can use the Zone 2 and Zone 3 pre-outs to send separate, unamplified audio signals to amplifiers (and speakers) in a second and third room. Naturally, you also have the option of distributing the same audio source to two or three zones simultaneously.

Bi-Directional Preprogrammed RI Remote Control with On-Screen Setup and Macro Presets for Four Activities

The TX-NR808's remote controller offers the convenience of controlling a wide range of other devices connected to the receiver. You can select your connected devices from an on-screen list and pre-program your desired settings for each device. The receiver itself can then send these settings automatically to the remote controller. Furthermore, the TX-NR808 lets you set up macro presets for up to four activity modes, which you can control via mode-key LEDs on the remote controller. A single button-press of "My Movie", for example, can simultaneously turn on the receiver, display, and Blu-ray player to your pre-programmed settings and start playing a disc automatically.

ADVANCED FEATURES

- THX® Select2 Plus™ Certified
- HDMI® (Version 1.4a to Support 3D and Audio Return Channel) with Deep Color™, x.v.Color™, LipSync, Dolby® TrueHD, DTS-HD Master Audio™, DVD-Audio, Super Audio CD, Multichannel PCM, and CEC
- 7 HDMI Inputs (1 Front/6 Rear) and 1 Output
- Audyssey DSX™ and Dolby® Pro Logic® IIz for New Surround Channels
- PLL Jitter-Cleaning Circuit Technology
- Audyssey MultEQ® for Room Acoustic Correction
- Network Capability for Streaming Audio Files (MP3, WMA, WMA Lossless, FLAC, WAV, Ogg Vorbis, AAC, LPCM)
- Internet Radio Connectivity (Pandora®, Rhapsody®, SIRIUS Internet Radio®, Napster, Mediafly®, Slacker, and vTuner)™
- Certified with Windows® 7 and DLNA Version 1.5
- Front-Panel USB Input for Memory Devices and iPod®/iPod® Models (Enables Display of Album Artwork)

- Firmware Updates via Ethernet and USB
- Powered Zone 2 and Zone 2/3 Pre-Outs for Distributed Audio Playback in Multiple Rooms
- *Availability of services depends on region.

AMPLIFIER FEATURES

- 135 Watts per Channel at 8 Ohms, 20 Hz–20 kHz, 0.08%, 2 Channels Driven, FTC
- WRAT (Wide Range Amplifier Technology)
- Three-Stage Inverted Darlington Circuitry
- H.C.P.S. (High Current Power Supply) Massive High Power Transformer
- Linear Optimum Gain Volume Circuitry

PROCESSING FEATURES

- Burr-Brown 192 kHz/24-Bit DACs (PCM1690) for All Channels
- Two 32-Bit Processing DSP Chips (DA830 and CS49834)
- Dolby® TrueHD, DTS-HD Master Audio™, Dolby® Digital Plus, DTS-HD High-Resolution Audio™ Decoding
- HDMI Video Upscaling to 1080p with Faroudja DCDi Cinema™
- 4 DSP Modes for Gaming: Rock, Sports, Action, and RPG
- Music Optimizer™ for Compressed Digital Music Files
- Direct Mode and Pure Audio Mode
- A-Form Listening Mode Memory

CONNECTION FEATURES

- Universal Port for Single-Cable Connection of Optional Onkyo Dock for iPhone®/iPod® or HD Radio™ Tuner
- Component Video Switching (2 Inputs and 1 Output)
- 4 S-Video Inputs and 2 Outputs
- Analog RGB Video Input (D-sub, 15 pin) and Audio Input for PC
- 6 Digital Inputs (3 Optical and 3 Coaxial)
- 5 A/V Inputs (1 Front/4 Rear) and 1 Output
- Color-Coded, 7.1 Multichannel Inputs
- Video Output (Monitor)
- 1 Audio Input
- Phono Input
- Color-Coded, 7.2 Multichannel Pre Outs
- RS232 Port, IR (In/Out), and 12V Trigger Outs (Zone 2/3)
- Bi-Amping Capability
- Color-Coded, Banana Plug-Compatible Speaker Posts
- RIHD (Remote Interactive over HDMI) for System Control
- SIRIUS Satellite Radio® Ready* and HD Radio Ready
- *SIRIUS Satellite Radio requires separate purchase of subscription, compatible tuner, and antenna.

OTHER FEATURES

- Overlay Graphical On-Screen Display (OSD) via All Video Outputs
- Audyssey Dynamic Volume™
- Audyssey Dynamic EQ® for Loudness Correction
- Crossover Adjustment (40/50/60/70/80/90/100/120/150/200 Hz)
- A/V Sync Control Function (Up to 250 ms in 5 ms Steps)
- 40 FM/AM/SIRIUS Random Presets
- Compatible with RI (Remote Interactive) Dock for iPod
- Bi-Directional, Preprogrammed, and Customizable RI Remote Control with On-Screen Setup, Mode-Key LEDs, and Macro Presets for Four Activities

SPECIFICATIONS

AMPLIFIER SECTION

Power Output	
Front L/R	135 W/Ch (8 ohms, 20 Hz–20 kHz, 0.08%, 2 channels driven, FTC)
Center	135 W (8 ohms, 20 Hz–20 kHz, 0.08%, 2 channels driven, FTC)
Surround L/R	135 W/Ch (8 ohms, 20 Hz–20 kHz, 0.08%, 2 channels driven, FTC)
Surround Back L/R, Front High L/R, Front Wide L/R, or Zone 2 L/R	135 W/Ch (8 ohms, 20 Hz–20 kHz, 0.08%, 2 channels driven, FTC)
Dynamic Power	
	300 W (3 ohms, Front)
	250 W (4 ohms, Front)
	150 W (8 ohms, Front)

THD (Total Harmonic Distortion)	
	0.08% (Rated power)

Damping Factor	
	60 (Front, 1 kHz, 8 ohms)

Input Sensitivity and Impedance	
	200 mV/47 k-ohms (Line)
	2.5 mV/47 k-ohms (Phono MM)

Rated RCA Output Level and Impedance	
	200 mV/470 ohms (Pre out)

Maximum RCA Output Level and Impedance	
	4.6 V/470 ohms (Pre out)

Phono Overload	
	70 mV (MM, 1 kHz, 0.5%)

Frequency Response	
	5 Hz–100 kHz/±1 dB, -3 dB (Direct mode)

Tone Control	
	±10 dB, 50 Hz (Bass)
	±10 dB, 20 kHz (Treble)

Signal-to-Noise Ratio	
	110 dB (Line, IHF-A)
	80 dB (Phono, IHF-A)

Speaker Impedance	
	4 ohms–16 ohms or 6 ohms–16 ohms

VIDEO SECTION	
Input Sensitivity/Output Level and Impedance	
Video	1.0 Vp-p/75 ohms (Component and S-Video Y)
	0.7 Vp-p/75 ohms (Component Pa/Ca, Pr/Cr)
	0.25 Vp-p/75 ohms (S-Video C)
	1.0 Vp-p/75 ohms (Composite)

Component Video Frequency Response	
	5 Hz–100 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/SIRIUS Preset Memory	
	40 stations

GENERAL	
Power Supply	
	AC 120 V~, 60 Hz

Power Consumption	
	7.5 A

Dimensions (W x H x D)	
	17 1/8" x 7 3/8" x 17 1/8"
	(435 x 198.5 x 435.5 mm)

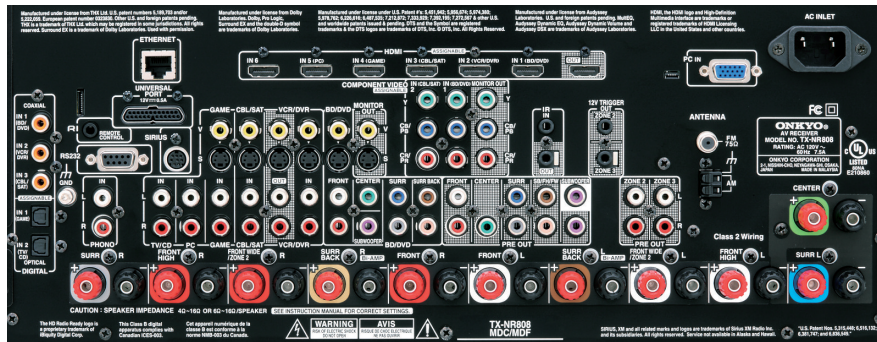
Weight	
	40.3 lbs. (18.3 kg)

■ CARTON	
Dimensions (W x H x D)	
	23 1/8" x 13 1/8" x 21 1/8"
	(587 x 337 x 553 mm)

Weight	
	49.6 lbs. (22.5 kg)

■ UPC CODE	
(B)	751398009341

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



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Onkyo Corporation 2-1 Nishishin-cho, Neyagawa-shi, Osaka 572-8540, JAPAN Tel: +81-72-831-8136 Fax: +81-72-833-5222 <http://www.onkyo.com/>
Onkyo U.S.A. Corporation 18 Park Way, Upper Saddle River, N.J. 07458, U.S.A. Tel: +1-201-785-2600/800-229-1687 (Toll free) Fax: +1-201-785-2650 <http://www.onkyousa.com/>
Mexico: Representaciones de Audio, S.A. de C.V. Calle 10 No. 133 Cot. Granjas San Antonio Del. Itzapatlan C.P. 09070 Mexico, D.F. MEXICO Tel: +52-55-3300-4550 Fax: +52-55-3300-4569
Brazil: Disac Comercial Ltda Av. Brig. Faria Lima, No. 1.461-1 Torre SUL-cj 151-154 Sao Paulo-SP BRAZIL CEP 01452-002 Tel: +55-11-3811-7272 Fax: +55-11-3811-7265 <http://www.disac.com.br/>