

# TX-NR3030 11.2-Channel Network A/V Receiver

BLACK | SILVER



## Demand the Ultimate in 11.2-Channel Home Cinema

With 11.2-channels of Onkyo power and the world's most advanced A/V processing, the TX-NR3030 serves up revolutionary Dolby Atmos® surround-sound complete with liquid 4K video at 60 frames per second. Add in-ceiling speakers to augment a 5.2, 7.2, or 9.2 surround setup to unlock the full potential of this game-changing format, which creates a plane of sound over the listener's head. As well as more accurately locating surround effects mixed for discrete channels, Dolby Atmos moves the sound around your theater more realistically to place you in the center of the action. Connectivity extends from HDCP 2.2-ready HDMI® through to balanced XLR pre-outs, while onboard Wi-Fi® supplies your home cinema with hi-res music via NAS/PC and limitless streaming from your smartphone. Onkyo has engineered the TX-NR3030 from faceplate to speaker posts for audiophile performance, with three transformers, separate amp and processing blocks, and seven top-of-the-line 32-bit Burr-Brown D/A converters. Whether used as a hub for housewide HD audio and video, or as the heart of a Dolby Atmos-powered home cinema, the TX-NR3030 rewards with an emotionally uplifting performance every time.

### ADVANCED FEATURES

- Supports New Dolby Atmos® Surround Format for Exciting Multiplex Sound
- THX® Select2™ Plus Certified for Cinema-Reference Sound Quality
- ISF (Imaging Science Foundation) Video Calibration for Optimal Video Performance
- DTS Neo:X™ Upmixing and Surround Modes
- Three Separate Transformers for Amplification, Audio, and Video Processing
- Separate Processing and Amplification Block Construction with Aluminum Heat Sink
- 11.4 Multichannel Pre-Outs, XLR Pre-Outs (Front L/R), and 18 mm-pitch RCA Pre-Outs (Front L/R)
- 4K/60 Hz-Capable HDMI® Terminals for Ultra HD Entertainment
- Supports HDCP 2.2<sup>1</sup> Copy Protection for Future 4K Streaming, Broadcasting, and Premium Studio Content
- 3 x HDMI Outputs Including Zone 2 HDMI for HD Video in a Second Room
- Built-in Wi-Fi®-Certified Wireless LAN and Bluetooth Version 2.1 + EDR with Advanced Music Optimizer
- Internet Radio and Music Streaming Subscription Services Included (TuneIn Radio, Pandora®, Spotify, AUPEO!, and Deezer)<sup>2</sup>
- Play MP3, WMA, VMA, Lossless, FLAC, WAV, Ogg Vorbis, AAC, Apple Lossless, DSD 5.6 MHz, LPCM<sup>3</sup>, and Dolby® TrueHD via Local Network
- Control and Stream with Free Onkyo Remote Streaming Apps for iPod touch/iPhone<sup>4</sup> and Android Devices<sup>5</sup>
- Pure Direct Analog Path Mode for Interference-Free Hi-Fi Stereo Listening
- HDMI Video Upscaling to 4K with Qdeo™ Processing Technology by Marvell
- AccuEQ Room Calibration with Mic for Clear and Balanced

### Sound

- Bi-Amping Capability, Powered Zone 2 and Zone 3, Zone 2/3 Pre/Line-Outs for Distributed Audio Playback

\*1 HDCP 2.2 is supported on HDMI Input 3 and Main Out only. \*2 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. \*3 LPCM is supported via DLNA only. \*4 Compatible with iPod touch (3rd generation or later) and iPhone 3GS or later. All models require iOS 4.2 or later. \*5 Requires Android OS 2.1 or later.

### AMPLIFIER FEATURES

- 185 W/Ch (6 Ω, 1 kHz, 1% THD, 1 Channel Driven, IEC); 230 W/Ch (6 Ω, 1 kHz, 1 Channel Driven, JEITA)
- WRAT (Wide Range Amplifier Technology)
- Three-Stage Inverted Darlington Circuitry
- Customized H.C.P.S. (High Current Power Supply) High-Output Transformer, Separate Transformers for A/V Processing, and Heavy-Duty Custom Capacitors
- PLL (Phase Locked Loop) Jitter-Cleaning Circuit Technology

### PROCESSING FEATURES

- HDMI for 4K/60 Hz Video, 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
- 7 x TI Burr-Brown 192 kHz/32-bit Two-Channel D/A Converters
- Dual 32-bit Digital Signal Processing Engines
- Whole House Mode for Synchronized Housewide Audio
- PM Bass for Deep Bass and Clear Mid-Range
- 4 DSP Modes for Gaming: Rock, Sports, Action, and RPG

### CONNECTION FEATURES

- 8 HDMI Inputs (1 Front/7 Rear) and 3 Outputs
- Frontside HDMI/MHL™ for 1080p Video and Stills from Smartphone and Tablet
- USB Port (Front) for Mass Storage Class USB Memory Audio Playback Capability
- Component Video Switching (2 Inputs and 1 Output)
- 4 Composite Video Inputs (1 Front/3 Rear) and 2 Outputs (Including Zone 2)
- 6 Digital Audio Inputs (3 Optical and 3 Coaxial)
- 7 Analog Audio Inputs (1 Front/6 Rear)
- Phono Input (MM) for Turntable Connection
- 4 Parallel Subwoofer Pre-Outs
- VGA Input (D-Sub, 15-pin), RS-232 Port, IR Input/Output, and 12V Trigger Outs for Zone 2/3

### OTHER FEATURES

- Overlaid HD Input Source Preview with InstaPrevue™ Technology
- Overlaid On-Screen Display (OSD) with Quick Set-Up and Home Menu
- Hybrid Standby with HDMI Passthrough and Network Connectivity
- Independent Crossover Adjustment for Each Channel (40/50/60/70/80/90/100/120/150/200 Hz)
- A/V Sync Control (Up to 800 ms at 48 kHz)
- Tone Control (Bass/Treble) for All Channels (Except Zone 2/3)
- RDS (PS/RT/PTY/TP) (European Model only)
- Aluminum Front Panel and Volume Control Knob
- Compatible with RI Dock for iPod/iPhone and AirPlay (DS-A5)
- Bi-Directional, Preprogrammed, and Customizable RI Remote Control

# TX-NR3030 11.2-Channel Network A/V Receiver

## Dolby Atmos® Multidimensional Sound

Onkyo is among the first to introduce the exciting Dolby Atmos surround-sound format to home cinema environments. Dolby Atmos uses object-oriented mixing to layer independent audio elements through discrete channels, moving three-dimensional sound effects around the theater with astonishing realism. The format adapts to any home cinema layout incorporating height channels for a more enveloping soundfield with extremely accurate directional and overhead effects.

## Onkyo Sound is Emotion, Delivered

Drivers don't judge sports cars on top speed alone. Acceleration, cornering, and braking are equally important. It's the same with A/V receivers—wattage is only an indication of loudness, not sound quality. The real test is current. High instantaneous current enhances speaker control for accurate and musical audio reproduction. It's the cornerstone of our amplification philosophy—no other brand can match Onkyo for dynamic driving power. We don't just translate signals into sound. We create sound you can feel.

## Engineered for Pure Exhilaration

Best-in-class high-current capability is achieved with Wide Range Amplifier Technology (WRAT). Three custom transformers and separated processing and amplification blocks produce high-current driving power while reducing unwanted electrical interference on the audio signal. Seven premium 192 kHz/32-bit TI Burr-Brown DACs and two 32-bit DSP engines handle digital decoding with Three-Stage Inverted Darlington Circuitry amplification and discrete low-impedance output transistors delivering clear and dynamic audio performance. The pinnacle of over 65 years' audio engineering experience, WRAT preserves the vitality of the master recording.

## THX® Select2™ Plus for Reference-Level Sound

THX certification guarantees the same high-volume sound you experience in a multiplex cinema. Your TX-NR3030 receiver has passed more than 2,000 laboratory tests to ensure every aspect of audio performance meets rigorous standards for cinema-reference sound. THX Select2 Plus is recommended for screen-to-seat viewing distances of three to four meters.

## Pure Direct Analog Path for Interference-Free Hi-Fi Amplification

Pure Direct Analog Path mode brings higher fidelity to vinyl, SACD, and CD playback via your home cinema. With this mode engaged, every digital circuit is physically shut down to prevent interference. Signals pass directly from the phono or analog audio inputs to the amplifiers and arrive at your front loudspeakers in pure analog form, allowing the rich tonal character of your albums to shine through.

## Latest HDMI® for 4K/60 Hz Video and HDCP 2.2

All HDMI terminals feature the latest HDMI specification to support 4K video at 60 frames per second and 21:9 cinema aspect. Now you can add enveloping 11.2-channel surround-sound to next-generation Ultra HD games and video for a

breathtaking entertainment experience. The TX-NR3030 also supports HDCP 2.2 DRM copy protection via HDMI Input 3 and the main output, which is essential for viewing premium streamed and broadcast Ultra HD content.

## 4K Video Upscaling and ISF Calibration

The TX-NR3030 includes industry-leading Qdeo™ 4K upscaling technology, which converts low-resolution video to liquid-smooth 1080p (for a Full HD display) or 4K on compatible Ultra HD sets. Selectable ISF video calibration further optimizes picture quality for stunning images in bright or low-light conditions.

## Three HDMI Outputs for Multizone Video

The Zone 2 HDMI output routes 1080p video from media players connected to your receiver to a second TV with easy remote app control. HDMI Sub Out is ideal for connecting a projector.

## Wi-Fi® and Bluetooth Inside

The TX-NR3030 features built-in Wi-Fi and Bluetooth. Our free control app puts a range of streaming options at your fingertips, from hi-res audio via NAS to internet streaming to music on smartphone and tablet. Or pair up and enjoy whatever's playing on your Bluetooth-compatible device with huge cinematic sound. Thanks to Advanced Music Optimizer enhancement, near CD-quality audio is ready in moments, without the wires.

## DTS Neo:X™ 11.1-Channel Upmixing

DTS Neo:X employs unique algorithms to upmix stereo or 5.1-channel soundtracks for playback through up to eleven channels. Selectable listening modes optimize frequency response for music, movies, and games with intelligent multiplexing technology allowing you to enjoy balanced and immersive surround sound from regular stereo sources.

## Powered Multi-Zone Audio and Bi-Amping Capability

If a seven-channel home cinema is enough, you can assign channels to power audio in two other rooms of your home, perhaps via some in-ceiling speakers in the kitchen or bedroom. Select and play any audio you want in any zone using the remote app. Alternatively, you can bi-amp compatible front loudspeakers for improved performance.

## AccuEQ Calibration for Pure Audio Performance

As part of our Emotion, Delivered audio concept, which brings together technologies that significantly improve both stereo and multichannel sound quality, Onkyo introduces the powerful AccuEQ room calibration system. AccuEQ measures and corrects speaker distances, levels, crossovers, and frequency response from one convenient listening position to ensure clear and cohesive surround-sound while enabling playback of 7.1-channel formats at 96 kHz (no down-sampling). For the ultimate in pure stereo performance, AccuEQ bypasses the front channels so the unique characteristics of your loudspeakers can be enjoyed without DSP correction to potentially alter the sound.

## SPECIFICATIONS

### Amplifier Section

<b>Power Output</b>	
All Channels	185 W/Ch (6 Ω, 1 kHz, 1% THD, 1 Channel Driven, IEC) 230 W/Ch (6 Ω, 1 kHz, 1 Channel Driven, JEITA)
<b>Dynamic Power</b>	
	300 W (3 Ω Front) 250 W (4 Ω Front) 150 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) 2.5 mV/47 kΩ (Phono MM)
<b>Rated RCA Output Level and Impedance</b>	
	200 mV/470 Ω (Pre Out)
<b>Maximum RCA Output Level and Impedance</b>	
	4.6 V/470 Ω (Pre Out)
<b>Rated XLR Output Level and Impedance</b>	
	400 mV/470 Ω (Pre Out)
<b>Maximum XLR Output Level and Impedance</b>	
	9.2 V/470 Ω (Pre Out)
<b>Phono Overload</b>	
	70 mV (MM, 1 kHz, 0.5%)
<b>Frequency Response</b>	
	5 Hz–100 kHz/±1 dB, -3 dB (Direct Mode)
<b>Tone Control</b>	
	±10 dB, 50 Hz (Bass) ±10 dB, 20 kHz (Treble)
<b>Signal-to-Noise Ratio</b>	
	110 dB (Line, IHF-A) 80 dB (Phono MM, IHF-A)
<b>Speaker Impedance</b>	
	4 Ω – 16 Ω or 6 Ω – 16 Ω
<b>Video Section</b>	
<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–100 MHz/±0 dB, -3 dB
<b>Tuner Section</b>	
<b>Tuning Frequency Range</b>	
FM	87.5 MHz–108 MHz
AM	522 kHz–1,611 kHz
<b>FM/AM Preset Memory</b>	
	40 Stations
<b>General</b>	
<b>Power Supply</b>	
	AC 220–240V~, 50/60 Hz
<b>Power Consumption</b>	
	1,105 W
<b>No-Sound Power Consumption</b>	
	155 W
<b>Standby Power Consumption</b>	
	0.13 W
<b>Dimensions (W x H x D)</b>	
	435 x 199 x 466.5 mm (Height 259 mm with antennas raised)
<b>Weight</b>	
	22.0 kg
<b>CARTON</b>	
<b>Dimensions (W x H x D)</b>	
	602 x 337 x 594 mm
<b>Weight</b>	
	26.5 kg

<b>Supplied Accessories</b>	
• Indoor FM antenna • Antenna isolator* • AM loop antenna • Color labels for speaker cables • Speaker setup microphone • Instruction manual • Remote controller • AA (R6) batteries** x 2	
*Included with Chinese model only.	
**Not included with Chinese model.	



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