Bringing Next-Generation Entertainment to Your Home

The TX-NR636 wins prime position on your gear rack for three reasons. Firstly, it’s among one of the few A/V receivers to support Dolby Atmos® multidimensional sound following a quick firmware update. Dolby Atmos very accurately places and moves sound around the cinema, including overhead, for a breathtakingly realistic movie experience. This receiver is also ready for Ultra HD streaming and 4K gaming at 60 fps with the latest 4K/60 Hz HDMI® inputs and HDCP 2.2 compatibility. Qdeo™ upscaling technology is included to convert low-res video into pin-sharp Full HD or Ultra HD. Secondly, it sounds incredible, with high-current Three-Stage Inverted Darlington Circuitry on the L/R and C channels for enveloping surround sound and musical two-channel audio. Thirdly, it’s simple to use with Wi-Fi® and Bluetooth for universal audio streaming via PC, NAS, and mobiles, plus there’s a huge selection of music streaming services waiting for you to explore. Overlaid menus with InstaPrevue™ technology make loading content quick and easy. Throw in a phono equalizer and Powered Zone 2 and you’ve got a value-packed powerhouse ready for the next wave of high-resolution entertainment.

ADVANCED FEATURES
- Supports New Dolby Atmos® Format for Exciting Multidimensional Sound
- 4K/60 Hz-Capable HDMI® Terminals for Ultra HD Entertainment
- Supports HDCP 2.2 and Ultra HD Video Streaming and Broadcasting
- Built-in Wi-Fi® Certified Wireless LAN Capability
- Bluetooth Version 2.1 + EDR Capability (Compatible with Apple iOS 4.0 or later)
- Dolby® TrueHD and DTS-HD Master Audio™ Decoding
- Preprogrammed RI (Remote Interactive) Remote Control
- Firmware Updates via Ethernet and USB
- 2 Parallel Subwoofer Pre-Outs
- Mass Storage Class USB Memory Playback Capability
- Hybrid Standby Function with HDMI Passthrough
- Smart Grid-Ready

OTHER FEATURES
- Crossover Adjustment for Each Channel (40/50/60/70/80/90/100/120/150/200 Hz)
- A/V Sync Control (Up to 400 ms in 10 ms Steps at 48 kHz)
- Graphical Overlaid On-Screen Display (OSD) via HDMI with Quick Set-Up and Home Menu
- Hybrid Standby Function with HDMI Passthrough
- Smart Grid-Ready
- Tone Control (Bass/Treble) for Front L/R Channels
- 3-Mode Display Dimmer (Normal/Dim/Dimmer)
- Hybrid Standby Function with HDMI Passthrough
- Smart Grid-Ready
- Certified with DLNA Version 1.5
- Firmware Updates via Ethernet and USB
- RHH (Remote Interactive Over HDMI) for System Control
- Preprogrammed RI (Remote Interactive) Remote Control

CONNECTION FEATURES
- 7 HDMI Inputs (1 Front/6 Rear) and 2 Outputs
- USB Port (Front)
- Mass Storage Class USB Memory Playback Capability
- HDTV-Capable (720p/1080p) Component Video Switching (1 Input and 1 Output)
- 3 Composite Video Inputs and 1 Output
- 3 Digital Audio Inputs (1 Optical and 2 Coaxial)
- 6 Analog Audio Inputs
- Phono Input for Turntable Connection
- 2 Parallel Subwoofer Pre-Outs
- Color-Coded, Banana Plug-Compatible Speaker Posts

PROCESSING FEATURES
- 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
- Digital Input: 1 Optical and 2 Coaxial
- Digital Output: 1 Optical and 1 Coaxial

AMPLIFIER FEATURES
- 160 W/Ch (6 Ω, 1 kHz, 1% THD, 1 Channel Driven, IEC); 175 W/Ch (6 Ω, 1 kHz, 1 Channel Driven, EITA)
- WAV, FLAC, WMA, WMA Lossless, FLAC, WAV Ogg Vorbis, AAC, Apple Lossless, DSD 5.6 MHz, DSD 11.2 MHz, DSD 2.8 MHz, DSD 5.6 MHz
- 3-Mode Display Dimmer (Normal/Dim/Dimmer)
- PLL (Phase Locked Loop) Jitter-Cleaning Circuit
- 3-Mode Display Dimmer (Normal/Dim/Dimmer)
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TX-NR636 7.2-Channel Network A/V Receiver

Dolby Atmos® Multidimensional Sound
Onkyo is among the first to introduce Dolby Atmos sound to home cinemas. Dolby Atmos uses object-oriented mixing techniques to layer independent audio elements through discrete channels, placing and moving sound effects above and around the listener with astonishing realism. The format adapts to any home cinema layout augmented by two as in-ceiling height speakers or Dolby Atmos-enabled front speakers to bring sound alive from all directions.

Future-Ready with the Latest HDMI®
Imagine playing the latest RPG blockbuster on your Ultra HD HDTV at a breathtaking 60 frames per second now add thunderous 7.2-channel surround sound from Onkyo. With HDMI terminals on your TX-NR636 receiver supporting 4K60 Hz, this dream can be your reality. Even if you’re not planning on your current display right away, it’s good to know your receiver is ready for the future.

Supports HDCP 2.2 for 4K Streaming and TV
With Hollywood studios, satellite TV broadcasters, and video streaming services announcing a move to HDCP 2.2, copy protection for future 4K and Full HD releases, it’s important that your AV receiver can handle this new standard. The TX-NR636 is one of the first AV Receivers to support HDCP 2.2, making it ready for next-generation Ultra HD streaming and broadcasting.

4K Video Upscaling with Qdeo™ Technology
The TX-NR636 has Wi-Fi and Bluetooth technology built in. Complete the setup, download our control app, and you’ve got a graphic remote control and range of streaming features in the palm of your hand. Or pair your Bluetooth-capable device and stream almost any audio to your home cinema. With Advanced Music Optimizer enhancement, music via Bluetooth has never sounded so good.

Stream Direct from Smartphone and Tablet
For lossless audio streaming, just tap on the Onkyo Remote App icon on your smartphone to find your music loaded and ready to stream with all the controls you’re used to. The receiver can switch on and select your preferred playback mode automatically.

Stream Network-Attached Hi-res Audio
Onkyo AV Receivers are engineered for universal hi-res playback and ready to stream with all the controls you're used to. The App icon on your smartphone to find your music loaded and around the listener with astonishing realism. The format adapts to any home cinema layout augmented by two as in-ceiling height speakers or Dolby Atmos-enabled front speakers to bring sound alive from all directions.

countries and boasting a library of 30 million songs, you can search for available music using your free Onkyo remote app.

Play Lossless Music from USB
The front-panel USB port also plays almost any audio format from mass-storage class-drives. As well as compressed files, there’s support for FLAC, WAV, A-AC3, Dolby TrueHD (48 kHz), and DSD. You can also connect a PC, smartphone, or music player using one of the many digital and analog inputs.

Engineered for High Fidelity
Wi-Fi® and Bluetooth Inside
Built-in Internet Radio and Streaming
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Stream Network-Attached Hi-res Audio
Onkyo AV Receivers are engineered for universal hi-res compatibility and ease of use. Use the remote app to locate your 192/24 and 96/24 albums (including 5.6 MHz DSD playback) on PC or NAS and bask in the clarity, depth, and maximum clarity.

AccuEQ Room Calibration
AccuEQ optimizes surround sound and two-channel audio to suit your listening space. In particular, AccuEQ extracts the best possible performance from your front speakers to make stereo listening more dynamic and exciting. The system analyzes speaker setup and room acoustics from one listening position (which simplifies the calibration process) and optimizes frequency response and output levels for maximum clarity.

MHL™ for Mobile Device Connection
An HDMI/MMH terminal is included to connect smartphones and other electronic devices, allowing you to display 1080p video and other media on your HDTV with 7.1 channels of surround sound.

Powered Multi-Zone Audio and Bi-Amping
Powered Zone 2 speaker terminals (and a Zone 2 line-out) let you power audio in another room equipped with stereo speakers. You can also assign surround back channels to bi-amp your front loudspeakers.

Fast Switching and Adjustment
If you want to quickly adjust a speaker level, switch DSP modes, or change inputs, the “Q” remote control button does it in seconds by overlaying a simple transparent menu on screen. Use InstaPrevue™ technology to preview content on any HDMI-connected component—the over-laid video thumbnails are great for keeping an eye on a cable channel while you’re watching a TV show, for example, and also make video switching very clear and simple.

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