

ONKYO®



TX-NR6100 AV Receiver 7.2ch, Silver

248060

Building key noise-reduction refinements into THX® Certified Select high-current amplification, the TX-NR6100 sets the bar for reference sound while bringing 8K/60p and HDR10+ video to your compatible display over HDMI®. Enjoy Dolby Atmos® and DTS:X® soundtracks through your height-enabled surround system or use upmixing and virtualization solutions from DTS® and Dolby® to create a 3D sound-field from any layout. Cue and control music around your home with voice assistants Ok Google or Alexa, and connect a second display via HDMI Sub/Zone 2 output. Chromecast built-in™, AirPlay 2, DTS Play-Fi®, and Works with Sonos cover every multi-room situation, and if you connect passive loudspeakers, you can switch between a 7.2/5.2.2-ch and 5.2-ch + Zone 2 layout at the touch of a button via Zone 2 speaker terminals. Features such as a quality MM phono equalizer and bi-directional Bluetooth® wireless technology make this value proposition even more persuasive.

Colour



PRODUCT DETAILS

THX® Certified Select cinema-reference sound

THX Certified Select guarantees the same reference volume and sound quality of a commercial cinema in rooms where the screen-to-seat distance is about 3.5 m. THX® certified receivers must pass 2,000 bench-tests in 75 categories.

Welcome to the 8K Ultra HD experience

Features defined in HDMI® 2.1 specification enable 8K/60p video passthrough to your compatible display. As well as HDR10 and HLG, HDR10+ and Dolby Vision™ formats optimize brightness, contrast, and color scene-by-scene or frame-by-frame. All HDMI terminals support HDCP 2.3, while eARC on Main Out passes encoded multichannel audio (including Dolby Atmos® or DTS:X®) from your compatible TV's tuner, video streaming apps, or connected media players to the AVR for amplification. QMS (Quick Media Switching) for movies and video eliminates the delay that can result in a blank screen before content is displayed. Note: 8K video passthrough is not supported on HDMI inputs 4–6 and Sub/Zone 2 Out.

New enhancements for gamers

Transform your playtime with 3D surround-sound and gain the winning edge with new gamer-friendly features defined in HDMI 2.1. VRR (Variable Refresh Rate) eliminates lag, stutter, and frame-tearing for fluid gameplay. ALLM (Auto Low Latency Mode) optimizes latency from source to screen while QFT (Quick Frame Transport) limits lag for a smoother experience.

SMART AV Receiver™ multi-room audio streaming

SMART AV Receiver shares audio around your home. It includes Amazon Music HD*, Spotify®, TIDAL, Deezer, and TuneIn, and works with Ok Google or Alexa. Share entertainment via Works with Sonos, AirPlay 2, DTS Play-Fi®, and Chromecast built-in.

*Amazon Music HD is supported via DTS Play-Fi.

Works with Sonos

Expand your Sonos Home Sound System by pairing this AVR to a Sonos Connect or Port*. The receiver ties into the Sonos ecosystem, waking, changing inputs, and playing at the desired volume on command from the Sonos app*.

*Sonos Connect and Port sold separately. Sonos app available free for iPhone and iPad from the App Store, and for Android™ devices on Google Play.

Chromecast built-in™ works with Ok Google

Stream music from your smartphone, laptop, or PC to the receiver via Chromecast built-in and control playback from Chromecast-enabled apps from iPhone, iPad, Android™ phone or tablet, Mac or Windows® PC, or Chromebook™. Cue, play, and control audio just by using your voice.

Works with Alexa

Alexa lets you use your voice to control the A/V receiver by speaking commands through an Alexa built-in device. Whether you want to listen to music, radio stations, or podcasts, all you have to do is ask. It also supports multi-room music* played on multiple devices.

*Multi-room music may require a firmware update.

Dolby Atmos and DTS:X – celebrate a new world of sound

Dolby Atmos and DTS:X translate 3D soundtracks from the studio mixing desk to your living room. Sounds are no longer tied to specific channels, and are free to move around and above your audience, placing them at the heart of the action.

Enjoy legacy formats with 3D sound

Dolby Atmos Height Virtualizer and DTS Virtual:X™ deliver 3D sound through any listener-level speaker layout. The technologies can work independently or with Dolby Surround® or DTS® Neural:X upmixers to create a 3D sound-field with any audio signal (excluding Dolby Atmos, DTS:X, and DTS® Express).

5 GHz/2.4 GHz dual-band Wi-Fi® supports the 802.11ac standard*

A powerful quad-core SoC (System on a Chip) performs multiple processing tasks at once. It evolves network functions and supports the 802.11ac (2x2 MIMO) standard for stable multi-room audio streaming.

*Note: some countries or regions have regulations that affect wireless signal strength and the use of Wi-Fi channels.

Clearer dialog at the touch of a button

Vocal Enhancer solves the problem of inaudible dialog in movies and TV programs by using DSP algorithms to elevate vocal frequencies in the soundtrack. The effect level can be raised or lowered using keys on the remote control.

AccuEQ room acoustic calibration

Detects speaker size, crossover frequency, and distance from the listening position and sets appropriate sound-pressure levels. Sets crossover and EQs all speakers including the subwoofers. AccuReflex™ optimizes 3D sound through Dolby Atmos-enabled speakers by correcting phase differences in directional and non-directional sound-paths. The result is a clear and cohesive sound-field.

Bi-directional Bluetooth® wireless technology

This AVR can send and receive audio via Bluetooth wireless technology. Stream from your device to the receiver using SBC or AAC codecs, or transmit audio playing through the AVR to compatible wireless headphones using SBC, aptX™, or aptX HD codecs including 24-bit audio over aptX HD.

Note: supports MAIN Zone source transmission (excludes Chromecast built-in and Works with Alexa). Lossless 24-bit audio requires headphones supporting aptX HD.

Zone 2 outputs for powered multi-room audio

Height/Surround Back/Bi-amp speaker posts can be configured for Powered Zone 2 audio distribution in addition to a 5.2-ch layout. Sync one source or play two sources (including analog, HDMI, SPDIF, and NET) in both rooms simultaneously.

Note: HDMI and SPDIF supports 2-ch PCM only. HDMI available on inputs 1–3. Output from Zone 2 line-out is enabled.

Multi-function Zone 2 or Zone B line-out

Analog RCA line-out terminal is served by a Zone 2 D/A converter and supports two Zone audio modes: Zone 2 supports active speaker or hi-fi system connection. Sync a source in MAIN and Zone 2, or play two unique sources simultaneously. Zone B suits wireless headphone docks. Enjoy MAIN Zone audio source through your wireless headphones. This terminal also supports Front L/R pre-out to an external hi-fi power amplifier.

Note: in Zone 2 mode, HDMI audio is available on inputs 1–3 and SPDIF and HDMI support 2-ch PCM signals only. In Zone B mode, encoded and 2-ch PCM audio (all inputs) is enabled in MAIN and Zone B.

Relax with Stereo Assign Mode

Stereo Assign Mode switches playback from Front to Height, Surround, or Surround Back speakers depending on your layout. Ideal for ambient background listening.

Specs

Product Attributes

EAN:	4573211159554
Manufacturer number:	TX-NR6100(S)MMP
Product weight:	10.0 kilograms

Radio Reception

Reception type	FM DAB+ DAB Internet Radio AM
Presets:	40
Radio frequency (DAB/DAB+)	174.9-239.2
Radio frequency (FM)	87.5-108

Video Codecs & Formats

Max. resolution:	8K UHD
Max. upscaling:	1080p to 4K
Codecs:	HDR 10 HDR 10+ HLG BT.2020 Dolby Vision

Video Connections

HDMI in:	6
HDMI out:	2

Audio Inputs

Coaxial:	1
HDMI 2.0:	3
HDMI 2.1:	3
Optical/Toslink:	1
Phono (MM):	1
Input level & impedance phono (MM):	3.5 mV/47 k
RCA:	4
Input level & impedance RCA:	200 mV/47 k
Music streaming services:	Amazon Music Deezer Spotify Tidal TuneIn
Ethernet:	1
USB 2.0:	2
Wireless:	Bluetooth Wifi 2.4GHz/5GHz

Amplification

Dynamic output (4):	210
Rated output (6):	165
THD at rated output (6):	1
S/N ratio:	106
Speaker impedance:	4-16
S/N ratio phono:	80
Frequency response:	10-100000
Zones:	2
Channels:	7.2 5.2.2

Audio Outputs

6.3mm jack:	1
Power & impedance 6.3mm jack:	80 mW + 80 mW (32 1 kHz 10% THD). 8 - 600 .
HDMI 2.1:	1
HDMI 2.1 (eArc):	1
RCA:	1
Output level & impedance RCA:	200 mV/2.2 k
Subwoofer pre-out:	2
Output level & impedance subwoofer:	1 V/470

Wireless:	Bluetooth
Audio Codecs & Formats	
Codecs & certifications:	Dolby Atmos DTS:X THX Certified Dolby Atmos Height Virtualizer DTS Virtual:X Dolby Surround DTS Neural:X
Room correction:	AccuEQ
Supported file formats:	MP3 WMA WAV AIFF AAC FLAC ALAC DSD
Bluetooth codecs:	AAC SBC aptX aptX HD
Bluetooth version:	4.2

Energy Management

Power consumption:	1.7-570
--------------------	---------

Dimensions and Weight

Product height:	17.4
Product width:	43.5
Product length:	38
Product weight:	9.8

Control Methods

Voice assistant integration:	Alexa Google Assistant Siri
Controller app:	Room Ready Apple Airplay 2 Sonos DTS Play-Fi Chromecast Proprietary App