

# TX-NR7100 9.2-Channel THX Certified Network A/V Receiver



BLACK



## A richer, better life in 8K Ultra HD

Turn your home into a living media sanctuary with 9.2-channel Dynamic Audio Amplification (DAA) supporting 3D surround-sound and powered multi-zone audio together with the SMART AV Receiver™ suite for effortless voice-controllable entertainment via a Google Assistant or Amazon Alexa enabled device. HDMI® supports 8K/60p and dynamic HDR (including HDR10+ and Dolby Vision™) passthrough to compatible TVs, projectors, or gaming monitors connected via eARC-ready Main Out. Be overwhelmed by the hyper-realistic THX® Certified Select reference experience, and explore the master-quality IMAX® Enhanced film library. Unique functions such as Front-to-Height stereo switching for ambient background listening, DSP vocal/dialog enhancement, and practical GUI functions simplify everyday operation. Whether you're gaming, watching a favorite TV series, or streaming Hi-Res Audio, a richer emotional life awaits inside the Onkyo signature sound.

### PRODUCT HIGHLIGHTS

VIDEO & AUDIO SUPPORT\* Supports features defined in HDMI 2.1\* specification including ADVANCED FEATURES\* Supports Dirac Live Room

#### Correction

- 220 W/Ch THX® Certified Select DAA system
- IMAX® Enhanced certified for immersive signature audio transmission to supported headphones (RX mode: SBC/AAC, TX mode: SBC/aptX/aptX HD)
- sound by DTS:X®
- 5.2.4-ch/7.2.2-ch Dolby Atmos® and DTS:X playback
- Supports Dirac Live® Room Correctionsupports HDR10+, Dolby Vision™
- AccuReflex phase-matching solution for Atmos-enabled
- SMART AV Receiver™ Works with Sonos®, Chromecast built-in™, AirPlay 2, and DTS Play-Fi®; includes • Dolby Atmos Height Virtualizer 3D sound processing® • 5.2.2-ch + Zone 2 / 5.2.2-ch + Zone 2 + Zone 3 speaker connection • Spotify®, Amazon Music HD™, Pandora®, TIDAL, Deezer, • Dolby Surround and DTS Neural:X 3D upmixing technologies and switching™
- Works with Hey Google or Alexa™
- Stream over 5 GHz/2.4 GHz dual-band Wi-Fi® supporting • SBCD (Super Audio CD) playback via HDMI • Zone B line-out/headphone transmitters for synced playback with MAIN Zone® (analog RCA) connects compatible wireless 802.11ac standard™ (2.8 MHz 2-ch/multichannel)
- HDMI • inputs 1-3 and Main/Sub output support • IMAX Enhanced certified for immersive signature sound by DTS:X
- Bluetooth wireless technology supports audio reception from mobile
- Advanced Music Optimizer™ improves compressed audio playback quality
- Wake on Play standby for input-switching Bluetooth and Network with auto
- Dedicated Zone 2 D/A converter supports simultaneous playback of speakers
- Zone 2 and Zone 3 speaker outputs enable 7.2-ch + Zone 2 /
- Zone 2 line-out® (analog RCA) connects compatible audio systems for
- Zone 2 line-out/headphone transmitters for synced playback with MAIN Zone® (analog RCA) connects
- Vocal Enhancer boosts vocals/dialog audibility via remote control or front panel

8K/60p(4:2:0/10-bit), 8K/30p(4:4:4/10-bit), • THX® listening modes for movies, music, and games • Switch Front L/R speakers to Height 1/Height 2/Surround/Surround 4K/120p(4:4:4/10-bit) video pass through

- HDMI terminals\* support HDR10+, Dolby Vision and • Theater-Dimensional virtual surround-sound function Back with Stereo Assign Mode™ for BGM listening
- BT.2020 color; VRR (Variable Refresh Rate), ALLM (Auto Low Latency Mode), and QFT (Quick Frame Transport) • Sound optimization for games (Rock, Sports, Action, and RPG) • My Input Volume one-touch startup volume assignment to individual inputs
- Direct Mode and Pure Audio Mode
- High-definition GUI with overlaid OSD over HDMI NETWORK FEATURES
- HDMI Sub/Zone 2 Out for media transmission to a • 4K to 8K, 1080p to 8K/4K upscaling and 480i to 480p deinterlacing second display • SMART AV Receiver multi-room platform with integrated streaming over HDMI
- Send or receive audio via Bluetooth® wireless technology services, voice assistant support, and control via remote apps • OSD function shows Audio, Video and Network information (RX mode: SBC/AAC, TX mode: SBC/Qualcomm® aptX™/ • Fast quad-core SoC supports 802.11ac (2x2 MIMO) Wi-Fi • FM/AM tuner with 40 random station memory presets aptX HD) • Works with Sonos for the Sonos Home Sound System with Sonos app™ • Crossover adjustment for each channel
- Refined chassis, HDMI board, DAC, Digital/Analog inputs, • Works with Alexa supporting multi-room music™ (40/50/60/70/80/90/100/120/150/180/200 Hz) power-amp grounds and power lines • Works with Hey Google and Chromecast built-in • AV Sync Control (up to 500 ms in 5 ms steps at 48 kHz™)
- 5.2-ch Main + Powered Zone 2 + Powered Zone 3 • Supports Apple AirPlay 2 enabling Siri voice control • Various standby modes and HDMI pass-through speakers support synced/independent D/A audio playback • DTS Play-Fi multi-room audio via Onkyo Music Control App™ • 3-Mode display dimmer (Normal/Dim/Dimmer) • Control and manage multiroom playback with Onkyo Controller app™ • Optional rack-mounting kit (IRK-155-3D)
- (including HDMI/SPDIF/NET™) • Roon Tested certification for the Roon Core
- Zone 2/Zone B line-out® (analog RCA) supports synced or • IP Control for AVR setup via PC and integration into a home • Requires a Sonos Connect or Port (sold separately). Connection of 1-3 Sonos devices is or headphone docks automation system supported with volume control enabled via the Sonos app for iOS and Android™ devices. \*2



- 220 W/Ch (6 ohms, 1 kHz, 10% THD, 1 channel driven),
- 100 W/Ch (8 ohms, 20 Hz–20 kHz, 0.08% THD, 2 channels driven, FTC)
- THX Certified Select
- Certified for IMAX Enhanced
- Onlyo Dynamic Audio Amplification (DAA)
- Discrete 2-stage non-phase-shift amplifier circuitry
- Custom High-Current Low-Noise Power Transformer
- Large custom-made audio-grade power capacitors
- Strengthened power-supply line supports high-current dynamics
- Refined chassis, HDMI board, DAC, Digital/Analog inputs, power-amp grounds and power lines
- Isolated network module reduces high-frequency signal interference on audio circuitry
- High current capability drives 4-ohm loads through 9 channels
- Precision 192 kHz/24-bit D/A conversion for Hi-Res Audio
- VLS™ (Vector Linear Shaping Circuitry) noise filtering (Front L/R)
- PLL (Phase Locked Loop) anti-jitter technology for SPDIF audio

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**IMAX**  
ENHANCED



Dolby Atmos and DTS:X

- 7 HDMI inputs (1 front), 2 outputs (Main Out [eARC], Sub/Zone 2 Out)
- 1 component video input (assignable)
- 2 composite video inputs (assignable)
- 2 digital audio inputs (optical and coaxial, assignable)
- 6 analog RCA audio inputs (assignable)
- $\frac{1}{4}$ " (3.5 mm) mini-stereo analog input (front)
- 1 phono input with built-in MM phono equalizer
- $\frac{1}{8}$ " (3.5 mm) mic input for room acoustic correction setup
- $\frac{1}{4}$ " (6.35 mm) headphone jack
- 2 subwoofer pre-outs
- Zone 2/Zone B analog RCA line-level out
- 9 banana-plug-ready speaker binding posts
- 10BASE-T/100BASE-TX Ethernet terminal for network connection
- USB input (DC 5 V/1 A) for audio playback (rear)
- RS-232C serial input and IR input for infrared repeaters
- 12 V trigger output (Main, 100 mA, assignable)
- AC inlet for detachable IEC power cord



DIRAC

Relax with 5.1 Stereo Assign Mode playback from a DVD or Blu-ray Disc. Height 2, Surround 2, and 2 Stereo Back Speakers (depending on your receiver) will play the background listening experience.

Amazon Music HD is supported via DTS Play-Fi.<sup>\*3</sup> Streaming service availability may vary by region. An account and subscription may be required for some streaming services. <sup>\*4</sup> Voice control requires an Alexa-enabled or Google Assistant-enabled device, such as a speaker or smartphone. Interoperability with streaming services depends on the respective technology and the country or region. <sup>\*5</sup> Some countries and regions have regulations that affect wireless signal-strength and use of Wi-Fi channels. <sup>\*6</sup> Zone 3 supports analog! NET only. In Zone 2, HDMI and SPDIF support 2-ch PCM audio signals only, and HDMI audio is supported via HDMI inputs 1–3. When Simultaneous Playback is enabled, Zone 2 can play back 2-ch PCM audio signals. Zone 2 line-out modes are shared on the same analog RCA line-out terminal. <sup>\*7</sup> From Set 2 to Zone 2 mode, HDMI audio is available on inputs 1–3; SPDIF and HDMI support 2-ch PCM signals only; and simultaneous playback of multiple sources is enabled. <sup>\*8</sup> The DTS-HD Master Decoding (DTS-MD) feature is disabled if all outputs are enabled in MAIN and Zone B. <sup>\*9</sup> Features defined in HDMI 2.1 specification, HDR10+, and pass-through capabilities described are supported on HDMI inputs 1–6, Main Out, and SubZone 2 Out in Sub Mode output. <sup>\*10</sup> DSD (Display Stream Compression) signals only. <sup>\*11</sup> DSD signals only when input via HDMI inputs 1–2 (Sub Zone 2). <sup>\*12</sup> The DTS-ES/Discrete Channel Matrix Decoder capabilities depend on the speaker layout. <sup>\*13</sup> 16 Ms. 400 ms (5 ms steps) at 96 kHz, and max. 200 ms (5 ms steps) at 192 kHz.

Available for iPhone and iPod at the App Store. Available free for Android devices on Google Play. Please check device and OS requirements before installation. <sup>\*14</sup>

### Supplied Accessories



Remote controller



*Text on receiver may vary with region.*

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