TX-NR787 9.2-Channel Network A/V Receiver

More power, more channels, more thrills!

With nine channels of high-current amplification, the TX-NR787 fully unlocks DTS:X® and Dolby Atmos® movie soundtracks with a 5.2.4-channel speaker layout at THX® Certified Select™ theater-reference volume. Alternatively, you can also use the extra channels to drive speakers in Zone 2 and Zone 3. Dual-band Wi-Fi® links the receiver to your desired multi-room platform via DTS Play-Fi® technology, FlareConnect™, or Chromecast built-in that also works with the Google Assistant. AirPlay and Bluetooth® wireless technologies are built in, and onboard streaming services include Amazon Music, TIDAL, Spotify, and TuneIn. Future-ready, the receiver has HDMI® supporting 4K/60p, BT.2020, HDR10, Dolby Vision™, and HLG video pass-through. This muscular A/V hub waits to enrich your entertainment life.

HIGHLIGHTS
• THX® Certified Select™ for theater-reference sound quality
• Supports 5.2.4-channel Dolby Atmos® and DTS:X® playback
• 220 W per channel
• HDMI® 7 in (1 front) / Main Out, and Sub Out® supports 4K/60 Hz, HDR10, HLG, Dolby Vision®, BT.2020, and HDCP 2.2 pass-through
• Dynamic Audio Amplification with 4-ohm speaker-driving capability
• Chromecast built-in
• Works with the Google Assistant
• 5 GHz/2.4 GHz Wi-Fi®, FlareConnect™ and Chromecast built-in
• Works with the Google Assistant
• Bluetooth® wireless audio technology for mobiles, laptops, and PCs
• Built-in low-noise phono pre-amp for turntable connection
• Moving Magnet (MM) cartridges
• Support for DTS:X and DTS Neural:X® 3D upmixing
• Dolby® Atmos® and DTS:X® playback and DTS Neural:X® 3D upmixing
• HDMI® 7 in (1 front)/Main Out, and Sub Out® 
• 5.2.4-channel Dolby Atmos playback and DTS Neural:X® 3D upmixing supporting Dolby® formats
• AccuEQ Advance room acoustic calibration with AccuReflex® phase alignment for Dolby Atmos®-enabled speakers
• Stable 5 GHz/2.4 GHz Wi-Fi connectivity
• Supports Chromecast built-in
• 5.2.4-channel DTS:X playback and DTS Neural:X® 3D upmixing
• Dynamic Audio Amplification for thrilling multichannel and stereo sound
• High-current power drives large speakers with 4-ohm resistance
• H.C.P.S.® (High Current Power Supply) customized transformer
• VSLC (Vector Shaping Linear Circuity) high-frequency noise removal technology (Front L/R channels)
• Non-phase-shift amplification circuitry for a clear and cohesive audio image
• Discrete output stage circuitry for low distortion

AMPLIFICATION FEATURES
• 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)
• Dynamic Audio Amplification for thrilling multichannel and stereo sound
• High-current power drives large speakers with 4-ohm resistance
• H.C.P.S.® (High Current Power Supply) customized transformer
• VSLC (Vector Shaping Linear Circuity) high-frequency noise removal technology (Front L/R channels)
• Non-phase-shift amplification circuitry for a clear and cohesive audio image
• Discrete output stage circuitry for low distortion

PROCESSING FEATURES
• Dolby Atmos® and DTS:X reproduction (supports 5.2.4 channels)
• DTS:X support for 4K/60 Hz, HDR10, HLG, Dolby Vision, 3D, Audio Return Channel, DeepColor®, x.v.Color®, LipSync, Dolby Atmos, Dolby TrueHD, DTS:X, DTS-HD® Master Audio®, DSD, DVD-Audio, Super Audio CD (SACD), multichannel PCM, and CEC
• High-grade AKM (4K448) 384 kHz/32-bit multichannel DAC
• PLL (Phase Locked Loop) jitter-canceling technology for S/PDFF audio
• 32-bit Digital Signal Processing (DSP)
• Listening modes for gaming (Rock, Sports, Action, and RPG)
• Theater-Dimensional virtual surround-sound function
• Direct Mode for audio reproduction close to original source quality
• Independent zone control (pass-through) for all channels

CONNECTON FEATURES
• HDMI support for 4K/60 Hz, HDR, HDCP 2.2, CEC (v1.4), and HDR10/HLG/SDR (both audio and video)
• HDMI support for 4K/60 Hz, HDR, HDCP 2.2, CEC (v1.4), and HDR10/HLG/SDR (both audio and video)
• HDMI Audio Return Channel (ARC)
• Audio Return Channel (ARC)
• 7 HDMI inputs (1 front), Main Out, and Sub Out
• Powered USB terminal (5 V, 1 A) for audio playback (rear)
• 2 composite video inputs and 2 component video inputs
• 3 digital audio inputs (2 optical and 1 coaxial)
• 6 analog audio inputs, 1 stereo (3.5 mm) analog input (front)
• Phono input (MM) and equalizer for turntable connection
• 2 subwoofer pre-outs
• 1/4˝ (6.35 mm) headphone jack (front)
• Speaker setup mic input (front)
• Banana-plug-compatible speaker posts
• 12 V trigger outputs, IR input, IP control, and RS232 support
• Detachable power cable

OTHER FEATURES
• Crossover adjustment for each channel
• Home Theater Setup and Quick Setup Guide via GUI
• 9.2-channel network A/V receiver
• 7.2.4-channel Dolby Atmos and DTS:X® playback
• 220 W per channel
• HDMI® support for 4K/60 Hz, HDR10, HLG, and 3D, Audio Return Channel, DeepColor®, x.v.Color®, LipSync, Dolby Atmos, Dolby TrueHD, DTS:X, DTS-HD® Master Audio®, DSD, DVD-Audio, Super Audio CD (SACD), multichannel PCM, and CEC
• High-grade AKM (4K448) 384 kHz/32-bit multichannel DAC
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• Direct Mode for audio reproduction close to original source quality
• Independent zone control (pass-through) for all channels

ADVANCED FEATURES
• 40 FM/AM random presets
• 3-mode display dimmer (normal/dim/dimmer)
• A/V Sync Control (up to 500 ms in 5 ms steps at 48 kHz)
• Economical HDMI pass-through and Network Standby functions
• 1/4˝ (6.35 mm) headphone jack (front)
• Speaker setup mic input (front)
• Easy-to-use input selector buttons
• Economical HDMI pass-through and Network Standby functions
• 3-mode display dimmer (normal/dim/dimmer)
• 40 FM/AM random presets
• Simple remote control
• Rack-mounting kit (optional)
• Front HDMI input does not support 4K/60p or 4K/60p 4:4:4:4 in 4K, HDR, HLG, Dolby Vision or BT.2020
• 12 HDMI inputs (1 front, Main Out, and Sub Out)
• Powered USB terminal (5 V, 1 A) for audio playback (rear)
• 2 composite video inputs and 2 component video inputs
• 3 digital audio inputs (2 optical and 1 coaxial)
• 6 analog audio inputs, 1 stereo (3.5 mm) analog input (front)
• Phono input (MM) and equalizer for turntable connection
• 2 subwoofer pre-outs
• 1/4˝ (6.35 mm) headphone jack (front)
• Speaker setup mic input (front)
• Banana-plug-compatible speaker posts
• 12 V trigger outputs, IR input, IP control, and RS232 support
• Detachable power cable

*7 Not guaranteed via wireless LAN. *8 Audio via HDMI inputs excluded. Zone 3 does not support S/PDFF audio.
THX® Certified Select™ reference sound
THX Certified Select guarantees high-volume theater sound in your home. To gain certification, amplifiers must pass the industry’s most severe bench-tests covering every aspect of audio performance. THX Certified Select components are best in rooms where screen-to-seat distance is about 10 ft. (3 m), and the room volume about 2,000 cubic feet (57 m³).

Unleash a complete Dolby Atmos® and DTS:X experience
Enjoy full object-based audio coverage with 5.2.4-ch or 7.2.2-ch speaker layouts. For movies featuring Dolby Atmos and DTS:X soundtracks, individual sounds are mixed to play through any speaker, and are not tied to specific channels. Effects move around with captivating realism, transporting you into the film.

Dolby® and DTS® solutions for 3D upmixing
DTS Neural:X® technology and Dolby Surround find cues in legacy soundtracks and upmix for speaker systems including height channels. Cross-compatibility with Dolby® True-HD, DTS-HD Master Audio® technology, and DTS® Digital creates 3D sound for movies on DVD, Bluray Disc®, or video streaming service.

Dynamic Audio Amplification
High-current power is proven by the ability to drive four-ohm speakers, which will test the toughest multichannel amplifier. High current equals better control, dynamics, fidelity, and expressiveness. Non-phase-shift amp circuitry presents a clear and cohesive audio image, while VLSC™ removes high-frequency noise from digital audio sources for natural reproduction.

Three-zone sound… just add speakers
With a 5.2-ch theater layout in Zone 1 (Main), use the other four channels to drive speakers in Zone 2 and Zone 3. As well as analog distribution, dedicated DACs enable digital sources* to be synced across rooms simultaneously, or a unique source to be played in every zone at once. Zone 2 line-level output is great for sharing to a hi-fi system.

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FlareConnect® wireless multi-room audio
FlareConnect shares audio from network and external audio input sources between compatible components. Enjoy effortless multi-room playback of UP. records, CDs, network music services, and more with supported components and speaker systems. Music selection, speaker grouping, and playback manager across the home are built into the Onkyo Controller app.

DTS Play-Fi allows you to enjoy quality music from online services, media server, and mobile device to any number of compatible products using Onkyo Music Control App. DTS Play-Fi technology can synchronize music in every room, and family members can visit their favorite to listen in a room or group of rooms.

DTS Play-Fi music is home

Ready for DTS Play-Fi® multi-room audio
DTS Play-Fi allows you to enjoy quality music from online services, media server, and mobile device to any number of compatible products using Onkyo Music Control App. DTS Play-Fi technology can synchronize music in every room, and family members can visit their favorite to listen in a room or group of rooms.

Connections for custom installation
The TX-NR787 features a 12 V trigger output for an external component and an IR input for remote-control range extension. It supports IP control and RS232, enabling configuration via PC and integration into a home automation system. An optional rack-mount kit is available to complete your custom install.

SPECIFICATIONS

Amplifier Section

<table>
<thead>
<tr>
<th>Power output</th>
<th>All channels</th>
<th>220 W (6 ohms, 1 kHz, THD=0.09%, 1 channel driven)</th>
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</thead>
<tbody>
<tr>
<td>Dynamic power</td>
<td>750 W</td>
<td>220 W (8 ohms, 20 Hz-20 kHz, 0.085% THD, 2 channels driven, FTC)</td>
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<tr>
<td>THD+N (Total Harmonic Distortion + Noise)</td>
<td>102 dB (20 Hz–20 kHz, half power)</td>
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<tr>
<td>Input sensitivity and impedance</td>
<td>470 mV/23 S (Line)</td>
<td>470 mV/23 S (Line)</td>
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<tr>
<td>Rated RCA output level and impedance</td>
<td>190 dB (Line)</td>
<td>190 dB (Line)</td>
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<tr>
<td>Frequency response</td>
<td>10 Hz–100 kHz ±3 dB (Direct Mode)</td>
<td></td>
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<tr>
<td>Tone control</td>
<td>±10 dB (Floor)</td>
<td>±10 dB, 20 Hz (Treble)</td>
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<tr>
<td>Signal-to-Noise ratio</td>
<td>98 dB (Line)</td>
<td>80 dB (Phono, Phono-LPA)</td>
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<tr>
<td>Speaker impedance</td>
<td>4 ohms–6 ohms</td>
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Tuner Section

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<tr>
<th>Tuning frequency range</th>
<th>FM</th>
<th>87.5 MHz–107.9 MHz</th>
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<tbody>
<tr>
<td>AM</td>
<td>530 kHz–1700 kHz</td>
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</tr>
<tr>
<td>PRF/VHF preset memory</td>
<td>40 Stations</td>
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Power supply

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<tr>
<th>General</th>
<th>AC, 120 V, 60 Hz</th>
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<tr>
<td>Power consumption</td>
<td>750 W</td>
</tr>
<tr>
<td>No-sound power consumption</td>
<td>70 W</td>
</tr>
<tr>
<td>Standby power consumption</td>
<td>0.1 W</td>
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Dimensions (W x H x D) | 17.75” x 6.6” x 14.75” (450 x 173 x 375 mm) |
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<tr>
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<tbody>
<tr>
<td>Weight</td>
<td>39 lbs. (17.7 kg)</td>
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UPC CODE

| BI | 889950013388 |

CARTON

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<tr>
<th>Dimensions (W x H x D)</th>
<th>22.0” x 11.1” x 18.0” (567 x 286 x 468 mm)</th>
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<tbody>
<tr>
<td>Weight</td>
<td>29 lbs. (13.5 kg)</td>
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Supplied Accessories

- **Power cord**
- Indoor FM antenna
- **Antenna masts**
- **Speaker setup microphones**
- **Quick Start Guide**
- **Basic Manual**
- **Remote controller**
- **AAA (R03) batteries x 2**

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