2017 NEW PRODUCT RELEASE

TX-NR676E 7.2-Channel Network A/V Receiver

Silken Power from an Amp with the Lot

Drive a full-scale surround sound system with effortless clarity. This thoroughbred A/V receiver streamlines access to app-based music, on-demand TV, games, and more. Linking your 4KTV and up to seven media players over HDMI®, the TX-NR676E processes all the popular Hi-Res and object-based audio codecs while Dynamic Audio Amplification boosts sound flawlessly for an adrenaline-pumping cinema experience. Future-focused, the receiver plays almost any audio accessible to your mobile or PC over dual-band Wi-Fi®, and comes with Chromecast built-in® and DTS Play-Fi®, which make mirroring music a one-tap operation. You can share network content, analog audio from your Blu-ray Disc player, turntable, and more to supported network multi-room speakers home over FireConnect™ powered by Blackfire. It’s a receiver with the lot, and one of the best sounding amps available. * Future firmware update required.

HIGHLIGHTS
- Supports 5.2.2-Channel Dolby Atmos® and DTS:X® Playback
- 165 W per Channel
- HDMI 7 in (1 Front) / Main Out, and Sub Out®
- Supporting 4K/60 Hz, HDR10, Dolby Vision®, BT.2020, and HDCP 2.2 Pass-through
- Dynamic Audio Amplification with 4-Ohm Speaker-driving Capability
- Ready for Chromecast built-in® and DTS Play-Fi®
- Dual-band Wi-Fi®, AirPlay, Spotify®, TIDAL, Deezer, Pandora®, Tidal, Internet Radio
- FireConnect™ Wireless Multi-room Audio

ADVANCED FEATURES
- HDMI Terminals Supporting HDR10, Dolby Vision®, BT.2020, and 4K/60 Hz Pass-through and HDCP 2.2
- Supports S.2-Channel Dolby Atmos Playback and Dolby Surround Upmixing
- DTS:X Object-based Audio Reproduction and DTS Neural:X® 3D Upmixing
- Dolby Surround Upmixing Solution for Multichannel Surround Formats
- AccuEQ Room Acoustic Calibration with AccuReflex Phase Alignment for Dolby Atmos-enabled Speakers
- Ready for Onkyo Controller App Integrated Multi-room Intuitive Operation™
- Stable Dual-band 5 GHz/2.4 GHz Wi-Fi® Connectivity
- Features Chromecast built-in® Wireless Audio Streaming Technology
- DTS Play-Fi® Shares Music from Apps to Receiver and Wireless Speakers
- AirPlay Audio Streaming from iTunes and iPad, iPhone, and iPod touch
- Supports Hi-Res Audio Including DSD 5.6 MHz/2.8 MHz, 192 kHz/24-bit FLAC, WAV, AIFF, and ALAC, and Dolby® TrueHD®
- Supports Spotify, TIDAL, Tuneln, Pandora, and Deezer Services
- FireConnect™ Multi-room Distribution of Network and Analog Audio Sources™ to Compatible Wireless Speakers
- Powered Zone 2 Speaker Outputs and Zone 2 Line Output with Dedicated DAC Supporting Digital*1 and Analog Audio Playback
- Bluetooth® Wireless Technology for Mobiles, Laptops, and PCs (Version 4.1 + LE, Profile: A2DP v1.2, AVRCP v1.3)
- Advanced Music Optimizer Improves Compressed Digital Audio Quality, Including Bluetooth Audio
- Supports for Front LR Channel Bi-Ampling in 5.2-Ch Speaker Layout
- 480p De-interlacing (480i to 480p) via HDMI for Legacy Video Formats

AMPLIFIER FEATURES
- 165 WCH (6.0, 1 kHz, 1% THD, 1 Channel Driven, IEC)
- Dynamic Audio Amplification System Delivers Thrilling Stereo and Multichannel Performance
- High-current Power to Drive Large Speakers with 4-Ohm Resistance
- H.C.P.S. (High Current, Power Supply) Transformer
- VLSC (Vocoder Linear Shaping Circuitry) High-frequency Noise Removal (Front L/R Channels)
- Non-Phase-Shift Amplification Circuitry for Clarity and Detail
- Discrete Output Stage Circuitry for Low Distortion

PROCESSING FEATURES
- Dolby Atmos and DTS:X Reproduction (5.2.2 Channels)
- High-grade AKM (AK4458) 384 kHz/32-bit Multichannel DAC
- Full (Phase Locked Loop) Inter-Correlation Circuit Technology for SDP/D Audio
- 32-bit Digital Signal Processing
- DSP Modes for Gaming, Rock, Sports, Action, and RPG
- Theater-Dimensional Virtual Surround Function
- Enjoy pristine reproduction of Audio-only Sources in Pure Audio Mode
- Direct Mode for Audio Reproduction Close to Original Source Quality
- Tone Controls (Bass/Treble) for Front LR Channels

CONNECTION FEATURES
- 7 HDMI Inputs (1 Front) and 2 Outputs (1 Main Out, 1 Sub Out)
- Powered USB Port (5 V, 1 A) for Audio Playback
- 2 Composite Video Inputs
- 2 Component Video Inputs
- 3 Digital Audio Inputs (2 Optical and 1 Coaxial)
- 6 Analog Audio Inputs (6 Coaxial), 1 Stereo Analog Input (2.5 mm, Front)
- Phono Input (MM) and Equalizer for Turntable
- 2 Subwoofer Pre-Outs
- Headphone Jack (6.35 mm, Front)
- Speaker Posts with Screw Knobs
- Speaker Setup Mic Input (Front)

OTHER FEATURES
- Crossover Adjustment for Each Channel (40/50/60/70/80/90/100/120/150/180/200 Hz)
- A/V Sync Control (Up to 500 ms in 5 ms Steps at 48 kHz)
- Graphical User Interface with On-Screen Display (OSD) via HDMI
- Quick Setup Guide via GUI and Easy Connection Diagram on Rear Panel
- Large Input Selector Buttons
- EconomiCam HDMI Pass-through and Network Standby Functions
- IP Control via LAN for Home Automation Systems
- 3-Mode Display Dimmer (Normal/Dim/Dimmer)
- 40 PM/M Random Presets
- Full-sized Simple Remote Control
- *1 HDMI Front Input does not support 4K/60p/4:4:4/24-bit video, HDR10, Dolby Vision, or BT.2020. *2 Sub Out® Sub Out does not support ARC or CEC. *3 Requires a future firmware update. *4 Availability of services may vary with region. Please consult below for details. *Future firmware update required. Please check App Store or Google Play® for device and OS requirements. *5 FireConnect™ is a technology based on Blackfire provided by Blackfire Research Corp., USA. Sampling rates of 44.1 kHz and 48 kHz are supported. *6 For iOS and Android™ devices. Please check App Store or Google Play® for device and OS requirements. *7 DSD not supported over wireless LAN. *8 Dolby TrueHD playback via USB via BT.2020 only. *9 Sharing audio from external analog inputs depends on the model and is enabled with a future firmware update. *10 Audio via HDMI inputs excluded.
Unlock Dolby Atmos® and DTS:X™ Playback
Object-based soundtracks allow independently mixed sound to play through any speaker in your system. Effects move all around them in real life. so you experience 5.2.2-channel Dolby Atmos or DTS:X that works with any format as the director intended. DTS Neural:X™ identifies spatial effects in multichannel soundtracks and upmixes for 3D playback, while DTS:X offers independent dialogue volume control for movies. Dolby Surround is also included to upmix legacy multichannel formats for playback in a Dolby Atmos-enabled theater.

Onkyo Controller Supports Next Generation Network Audio
Onkyo Controller app collects streaming services and network-attached audio into an intuitive interface. Control playback, navigate internet services, and distribute audio all over the home with ease.

Music Made Easy with Chromecast built-in™
Stream any music from your smartphone, laptop, or PC to the TX-NR676E with ease. Control playback with Chromecast-enabled apps you know and love from TIDAL, Deezer, and TuneIn are baked into the GUI, making it easy to select from a huge range of music and radio programs using Onkyo Controller.

Internet Radio and Streaming Services
TIDAL, Deezer, and TuneIn are bailed into the GUI, making it easy to select from a huge range of music and radio programs using Onkyo Controller.

FireConnect™ Wireless Multi-room Audio
FireConnect™ mirrors network audio and external analog sources connected to a master component—from streaming services to vinyl records—on FireConnect™-compatible speakers in other rooms. Music selection, speaker grouping, and playback management across the home are built into Onkyo Controller app for iOS and Android™.

SPECIFICATIONS

Amplifier Section

<table>
<thead>
<tr>
<th>Power Output</th>
<th>All Channels</th>
<th>165 W (8 Ω, 1 kHz, 1% THD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dynamic Power</td>
<td>240 W (8 Ω, Front)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>210 W (6 Ω, Front)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>120 W (8 Ω, Front)</td>
<td></td>
</tr>
<tr>
<td>THD+N</td>
<td>0.08% (20 Hz–20 kHz, Half Power)</td>
<td></td>
</tr>
<tr>
<td>Damping Factor</td>
<td>Less than 54 (Front, 1 kHz, 8 Ω)</td>
<td></td>
</tr>
<tr>
<td>Input Sensitivity and Impedance</td>
<td>200 mV/47 kΩ (Line)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3.5 kHz/47 kΩ (Line)</td>
<td></td>
</tr>
<tr>
<td>Rated RCA Output Level and Impedance</td>
<td>1.9 Vp–p (Subwoofer Pre-Out)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>20 Vp–p (Front, Center, Surround, Surround Back, and 8Ω)</td>
<td></td>
</tr>
<tr>
<td>Frequency Response</td>
<td>10 Hz–100 kHz (Front, 1% Distortion)</td>
<td></td>
</tr>
<tr>
<td>Tone Control</td>
<td>±10 dB, 90 Hz (Bass)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>±10 dB, 7.5 kHz (Tweeter)</td>
<td></td>
</tr>
<tr>
<td>Signal-to-Noise Ratio</td>
<td>106 dB (Line, 94 dBA)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>80 dB (Phones, I/O–I/F)</td>
<td></td>
</tr>
<tr>
<td>Speaker Impedance</td>
<td>4–16 Ω</td>
<td></td>
</tr>
</tbody>
</table>

Video Section

| HDMI Standard/Output Level and Impedance | Video | 1.0 Vp–p (75 Ω) (Component Y) |
|                                         | 0.7 Vp–p (75 Ω) (Component Pr/Cr, Pb/Cb) |
|                                         | 1.0 Vp–p (75 Ω) (Composite) |

Tuner Section

| Tuner Frequency Range | FM | 87.5 MHz–108 MHz |
| AR | 532 kHz–1.7 MHz |
| ATV | 75 MHz–170 MHz |
| HD/ATV Preset Memory | 40 Stations |
| General | |
| Power Supply | AC 220–240 V, 50/60 Hz |
| Power Consumption | 570 W |
| No-Sound Power Consumption | 60 W |
| Standby Power Consumption | 0.15 W |
| Dimensions (W x H x D) | 415 x 175.5 x 398 mm |
| Weight | 10 kg |

CARTON

Supplied Accessories

- Indoor FM antenna
- AM loop antenna
- Speaker setup microphone
- Quick Start Guide
- Basic Manual
- Remote controller
- AAA (LR03) batteries x 2

Due to a policy of continuous product improvement, Onkyo reserves the right to change specifications and appearance...