A Receiver to Make Dreams a Reality

If you’re dreaming of the high-end on a mid-level budget, here’s your solution. Engineered for immensely powerful yet controlled THX® Cinema Reference sound, the TX-RZ810 comes with features you really want, such as Chromecast built-in*, AirPlay, Wi-Fi®, and Bluetooth®. Add optional wireless speakers to other rooms and mirror network music and audio via external analog inputs via FireConnect™* to build as our flagships—separate analog/digital circuitry, massive transformer, huge capacitors, and discrete amps—the TX-RZ810's sheer agility and dynamism exceeds the highest expectations.

HIGHLIGHTS
• THX® Select2™ Cinema Reference Certification
• Custom RZ Grade Amplification System with Upgraded Parts
• Dynamic Audio Amplification for Realistic Sound
• DTS:X® and Dolby Atmos® up to 5.1.2 Channels
• AccuEQ Room Calibration Featuring AccuReflex Technology
• FireConnect™ Multi-Room Wireless Technology
• Wireless Audio Streaming with Chromecast built-in®, AirPlay, Wi-Fi®, and Bluetooth®
• HDMI® 2.0a (1 Front) with Main / Zone 2 Out (HDCP 2.2 / HDR®)
• Network Hi-Res Audio (DSD 5.6 MHz, 192/24 PCM, Dolby® TrueHD)
• Network and Analog Audio Transmission to Optional Wireless Speaker via FireConnect™ Technology
• AccuEQ Room Calibration Featuring AccuReflex Technology for Seamless Object-based Sound from Compatible Speakers (Fre. Included)
• Supports Free Onkyo Onkyo Controller® App for iPod touch/iPhone and Android® Devices

AMPLIFIER FEATURES
• 180 W/Ch (6.1 L, 1 kHz, THD 0.09%, 1 Channel Driven, IEC) – 315 W/Ch (6.1 L, 1 kHz, THD 0.09%, 1 Channel Driven, IEC/2 Thru)
• Dynamic Audio Amplification with Non-Phase-Shift Amps and Discrete Power Transistors
• Massive Transformer and Custom 15,000 µF Audio Capacitors for Instantaneous High-CURRENT Power
• Copper Bus Bars and Rigid Insulators to Reduce Signal Interference
• VLSC™ (Vector Linear Shaping Circuitry) for High-Fidelity Analog Signal
• P.L.3 (Phase Locked Loop) (Jitter-Cleaning Circuitry for SMPD Audio)

PROCESSING FEATURES
• Network Hi-Res Audio (DSD 5.6 MHz, 192/24 PCM, Dolby® TrueHD)
• Network and Analog Audio Transmission to Optional Wireless Speaker via FireConnect™ Technology
• AccuEQ Room Calibration Featuring AccuReflex Technology for Seamless Object-based Sound from Compatible Speakers (Fre. Included)
• Supports Free Onkyo Onkyo Controller® App for iPod touch/iPhone and Android® Devices

ADVANCED FEATURES
• THX® Select2™ Cinema Reference Certification
• DTS:X® and Dolby Atmos® Object-based Sound Decoding
• 4K/60 Hz-Capable 4:4:4 HDMI Terminals with HDCP 2.2 and HDR for Next-Generation Ultra HD and Full HD Video Conversion
• Chromecast built-in, AirPlay WiFi, and Bluetooth® Specification Version 4.1 (Compatible Profile A2DP v1.2/A2DP v1.1) with Advanced Music Optimizer
• Powered Zone 2 and Zone 3 Pre-Out
• Zone 2 HDMI Output for 4K/60 Hz Video In Another Room
• Supports Tuner Radio, Pandora®, Spotify®, TIDAL, and Deezer®
• HPH-VA5, WMA, VMAA Loudness, FLAC, WAV, AAT, and Apple Lossless Playback Over Network and USB

CONNECTION FEATURES
• 6 HDMI Inputs (1 Front/7 Rear), Main, and Zone 2 Outputs
• Mass Storage Class USB Memory Playback Capability
• 7.2 Multichannel Pre-Outs
• Component Video Switching (2 Inputs) and 2 Composite Video Inputs
• 3 Digital Audio Inputs (2 Optical and 1 Coaxial) and 7 Analog Audio Inputs
• Phono Input (MM) for Turntable Connection
• 4 12 V Trigger Outs (Assignable) with IR Input, Supports IP and RS232

OTHER FEATURES
• Independent Crossover Adjustments for Each Channel (40/50/60/70/80/90/100/120/150/180 Hz)
• AV Sync Control (Up to 500 ms in 5 ms Steps at 48 kHz)
• Hybrid Sleep Function with HDMI Powerthrough
• 40 PHAN and 40 Internet Station Presets
• Certified with DLNA Version 1.5
• RHiD (Remote Interactivity Over HDMI) for System Control
• Aluminum Front Panel and Volume Control Knob
• Preprogrammed RI (Remote Interactive) Simple Remote Control
• RS232C (IEEE 488) Interface for Self-Control

* Image after DTS:X firmware update.
* Enabled with a firmware update.
THX®-Certified for Cinema Reference Sound
THX® certification guarantees the same high volume and low distortion you experience in a cinema in your listening room. To achieve THX® certification, amplifiers must undergo the industry’s toughest independent bench-testing to satisfy THX® requirements.

Why Upgrade to a TX-RZ810®
Our RZ Series A/V receivers deliver dynamic, detailed, and emotionally captivating sound. Upgraded with a massive transformer custom 15,000 µF of rated capacity to drive massive power into the TX-RZ810 produces high instantaneous current for lightning-fast transient response, stunning dynamic resolution, and ultra-powerful bass to 5 Hz.

Dynamic Audio Amplification for Thrilling Sound
Dynamic Audio Amplification lets music live and breathe according to the dynamics and frequency response of your speakers, producing rich and authentic sound that fills you with emotion.

Experience DTSS® and Dolby Atmos®
Introduce object-based Dolby Atmos® and DTSS™ sound to your living room, with sound flowing naturally above and around in three dimensions. Discrete effects—as such as birdcalls, rain, or the sound of a helicopter—originate from overhead and will seem to move around you, not just static objects. The result is world-class sound with room-filling realism.

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

Go Wireless with Chromecast-built-in, AirPlay, Wi-Fi-Fi, and Bluetooth®
Chromecast-built-in and AirPlay free your music from your smartphone. You can stream audio from compatible applications to your home theater. FireConnect™ can virtually any mobile or PC audio via Bluetooth technology. Available internet radio and music subscription services include Pandora®, Spotify®, and more.

Multi-source Playback in Different Zones
Use Powered Zone 2 speakers and Zone 3 line outputs to create a house-wide entertainment system, and enjoy different audio sound sources from your A/V receiver in different rooms at the same time.

Better-Focused Sound
Transparent imaging is achieved with various technologies starting at the DA conversion stage, with VSLC® helping the 384 kHz/32-bit DAC to assemble digital ones and zeros into a completely noise-free analog signal. Separate digital and analog circuitry prevents interference, while non-phase-shift amps control timing to ensure wide-spectrum focus at any volume.

Latest Spec HDMI® with Zone 2 Video
Select HDMI terminals support 4K/60 Hz video, HDCP 2.2 copy protection, and High Dynamic Range (HDR) for next-generation Ultra HD streaming and broadcasting. A 6G- and HDCP 2.2/HDR-compatible Zone 2 HDMI output allows you to send AV sources connected to the receiver in another room.

AccuEQ Calibration Featuring AccuReflex Technology
AccuEQ analyzes the surround-sound to suit the room acoustics for crisply focused sound, while AccuReflex aligns the phase of Dolby Atmos®-enabled speakers with sound coming from your other speakers. Any delay is resolved so that everything arrives at your ears at the same time. The result is cohesive reproduction of object-based soundtracks.

SPECIFICATIONS
Amplifier Section
Power Output
- All Channels: 150 W/Ω + 150 W/Ω (8 Ω), 250 W/Ω (4 Ω, 87.5 MHz–107.9 MHz) (Taiwan Model)
- 1 Channel Driven: 150 W/Ω + 150 W/Ω (8 Ω), 300 W/Ω (4 Ω, 87.5 MHz–107.9 MHz) (Taiwan Model) • THD+N 0.08% (20 Hz–20 kHz, Half Power)
- Dynamic Power: 300 W (8 Ω Front, 150 W (8 Ω Front)
- Input Sensitivity and Impedance: 1.0 V (0 dB) (Line), 35 mV/47 kΩ (Phono MM)
- Rated RCA Output Level and Impedance: 0.7 V/150 μΩ (Pre Out), 125 mV/47 kΩ (Zone Pre Out)
- Phone Overload: 200 mV/2.3 kΩ (Pre Out), 300 mV/47 kΩ (Zone Pre Out)
- Frequency Response: 5 Hz–100 kHz ±1 dB, -3 dB (Direct Mode)
- Tone Control: ±10 dB (95 Hz) (Line), ±10 dB (7.5 kHz) (Tone) (30 mV, 30 Hz–1 kHz, 0 dB)

Video Section
Input Sensitivity/Output Level and Impedance
- Video Input: 0.7 V/150 μΩ (Component Y), 0.7 V/150 μΩ (Component Pb/Cb, Pr/Cr) (Composite)
- Component Video Frequency Response: 5 Hz–100 kHz ±1 dB, -3 dB
- FVPWM Present Memory: 50 Stations

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Speaker Impedance: 4Ω, 8Ω

Tuner Section
Tuning Frequency Range
- FM: 87.5 MHz–108 MHz
- AM: 530 kHz–1710 kHz

Input Sensitivity/Output Level and Impedance
- FM: 522 kHz–1,611 kHz (Taiwan Model)
- AM: 530 kHz–1,710 kHz (Taiwan Model)

PHONO Section
Phono Overload
- 0.15 W

General
Weight: 14.0 kg
Dimensions (W x H x D): 710 x 201.5 x 395 mm

Power Supply
AC 120 V~, 60 Hz (Taiwan Model)

Power Consumption
- Standby Power Consumption: 0.15 W
- Maximum Power Consumption: 710 W

CARTON
Dimensions (W x H x D): 574 x 335 x 490 mm
Weight: 17.9 kg

Supplied Accessories
- Infrared remote controller
- 1.8 m/6 ft analog Audio/Video cable
- Speaker setup microphone
- Speaker setup manual
- Remote controller: AA (R6) batteries x 2

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