

TX-SR876 THX® Ultra2 Plus™ Certified 7.1-Channel A/V Home Theatre Receiver

SILVER BLACK



The lesser-used controls are neatly tucked away behind the drop-down panel.



Building on an Already Impressive High-Def Legacy with HQV Video Processing and ISF Video Calibration

Based on a winning design for high-definition home theatre reproduction, the TX-SR876 is a comprehensive A/V processing “hub” with a deep reservoir of amplification power to draw on. Reveling in its new THX Ultra2 Plus certification, the TX-SR876 shows its class with a broad range of capabilities, phenomenal performance, and noticeable finesse. With its advanced HQV Reon-VX video processing—which enables upscaling to high-def 1080p—and supreme high-definition surround sound decoding, this receiver belongs in elite company. It’s also one of the first receivers anywhere to employ ISF (Imaging Science Foundation) video calibration. From whatever movie, music, broadcast, or gaming source you choose, the TX-SR876 will impress time and time again.

Advanced Video Processing and 1080p Upscaling with HQV Reon-VX

HQV Reon-VX is the most sophisticated video-processing chip available for home theatre. It provides the ultimate support for 1080p scaling: for filtering of jaggies and artifacts; and for the reduction of random, “mosquito” and block (codec) noise. HQV Reon-VX also enables color region enhancement and the rendering of more than one billion colors.

1080p Video and High-Def Surround Sound via HDMI™ (with Dual Output)

With the latest version of HDMI and advanced A/V processing capabilities, the TX-SR876 is a powerful control center for all high-definition media, including Blu-ray Disc and HD broadcasts. The TX-SR876 accepts up to four components via HDMI. Receiving and switching compatible sources, it can send a 1080p video signal through two outputs (Main or Sub). You have support for the two major high-definition surround-sound codecs—Dolby® TrueHD and DTS-HD Master Audio™—to extract lossless, studio-master audio from Blu-ray Disc.

THX Ultra2 Plus Certified with New THX® Loudness Plus™ Technology

THX Ultra2 Plus certification ensures that the TX-SR876 can perform superbly in even the largest of rooms (for example, where the screen-to-seat viewing distance is greater than 4 meters, and the room size is approximately 85 cubic meters). Meanwhile, a new technology, THX Loudness Plus, improves the movie experience at lower volume levels. To counteract the loss or distortion of ambient and bass sounds at

lower volumes, THX Loudness Plus automatically adjusts the front-to-back speaker levels and frequency balance. This ensures that you can experience all the details of your movies when listening below the reference level.

A Suite of Audyssey Technologies to Tailor Multichannel Audio to the Home

The TX-SR876 is equipped with MultEQ™ XT, Audyssey’s most powerful built-in solution for countering distortion in dedicated home theatres. Gathering measurements from up to eight positions in the listening area, it takes account of both frequency response and time domain (where most of the problems lie) across the entire listening area, to deliver a clear, well-balanced and natural sound. The TX-SR876 also features two other Audyssey technologies: (1) Dynamic EQ™, which selects the best frequency response and surround levels moment-by-moment, for the best listening experience at any volume; and (2) Dynamic Volume™, which maintains the desired listening level for all content, while optimizing the dynamic range.

ISF (Image Science Foundation) Video Calibration for Accurate Video Reproduction

The TX-SR876 is one of the first A/V receivers equipped with industry-leading ISF (Imaging Science Foundation) video calibration to dramatically improve your home theatre by enabling sharper-focused, fuller-resolution images and a more accurate color balance. Making your A/V receiver a true video hub, this function ensures that every video source is independently calibrated for your connected high-definition display. What’s more, ISF video calibration has been shown to improve energy savings in displays and projectors by up to 50%.



TX-SR876 THX® Ultra2 Plus™ Certified 7.1-Channel A/V Home Theatre Receiver

Playback of Different A/V Sources (Including Video) in Up to Three Different Locations

The TX-SR876 gives you the option of playing back a separate two-channel source with video images (such as a movie or TV broadcast) at the same time as playing back a 5.1-channel A/V source in the main room. Alternatively, you can use the Zone 2 and Zone 3 pre outs to connect to amplifiers in two other rooms. With the latter option, all 7.1 channels can be kept active in the main room. The TX-SR876's remote control lets you adjust volume levels and balance in both zones, as well as bass and treble in Zone 2.

Isolated Pre-Processing/Amplification Construction with Parallel Push-Pull Amplification

The TX-SR876 has been newly designed so that the power amplifier block and the pre-amplifier are perfectly isolated. The power amplifier block uses parallel push-pull amplification, whereby pairs of transistors in the receiver alternately push and pull the current. One output device amplifies the positive half of the waveform and another output device amplifies the negative half of the waveform. Push-pull amplification has the advantage of efficiency but can be affected by occasional instances of distortion. Onkyo has countered this by including a three-stage inverted Darlington circuit to significantly reduce distortion.

VLSC (Vector Linear Shaping Circuitry) and Burr-Brown 192 kHz/24-Bit Audio DACs

The TX-SR876 features Onkyo's own digital-to-analog conversion circuitry—VLSC—to mitigate signal noise. It also employs Burr-Brown 192 kHz/24-bit audio DACs (PCM1796), for all channels and for non-scaling configuration circuitry. These DACs use an advanced Texas Instruments architecture to improve tolerance to clock jitter and achieve an excellent dynamic performance.

RIHD (Remote Interactive over HDMI) for System Control*

The TX-SR876 offers integrated system control with selected HDMI-compatible high-definition displays, DVD and hard disk recorders, and Blu-ray Disc players. With one remote control, you can control several functions, including Standby, Volume Command, and Direct Change. RIHD lets you seamlessly integrate the TX-SR876 with other leading brand-name devices, including those with Panasonic VIERA Link™ or Toshiba REGZA LINK™ capability, as well as selected Sharp displays.

*Compatibility depends on model.

- Powered Zone 2 (Audio and Video); Zone 2 and Zone 3 Pre Outs; Independent Control for Volume, Balance (Zone 2 and Zone 3), and Bass/Treble (Zone 2 Only)
- ISF (Imaging Science Foundation) Video Calibration Function
- Burr-Brown 192 kHz/24-Bit Audio DACs (PCM1796) for All Channels
- Three TI (Aureus™) 32-Bit DSP Chips for Advanced Processing
- Bi-Amping and BTL (Bridged Transless) Capability for Music and Movie Sound Effects
- Onkyo RIHD (Remote Interactive over HDMI) for System Control
- Compatible with RI (Remote Interactive) Dock for the iPod

AUDIO AND VIDEO FEATURES

- 200 W/Ch Minimum into 6 Ω, 1 kHz, IEC (1 Channel Driven)
- H.C.P.S. (High Current Power Supply) Massive High Power Transformer
- WRAT (Wide Range Amplifier Technology)
- Component Video Switching (3 Inputs and 1 Output)
- 6 Digital Inputs (3 Optical/3 Coaxial) and 1 Optical Output
- A-Form Listening Mode Memory
- Linear Optimum Gain Volume Circuitry
- Non-Scaling Configuration
- Tone Control (Bass/Treble) for All Channels
- Color-Coded 7.1-Multichannel Inputs and Pre Outs
- Independent Crossover Adjustment for F/C/S/B (40/50/60/70/80/90/100/120/150/200 Hz)
- Double Bass Function
- 6 S-Video Inputs and 2 Outputs
- 6 Composite Video Inputs and 2 Outputs
- Front Panel Auxiliary Input (for Camcorders, Game Consoles, etc.)

OTHER FEATURES

- Music Optimizer to Support Compressed Digital Music Files
- Theater-Dimensional Virtual Surround Sound Function
- Newly Designed GUI for System Set-up
- Neural-THX® Surround Decoder
- Color-Coded Banana Plug-Compatible Speaker Posts
- Pure Audio Mode
- A/V Synchronization Function (Up to 250 ms in 5 ms Steps)
- 40 FM/AM Radio Presets with RDS
- RS232 Port
- IR Input and Output
- 12 V Trigger
- 6 A/V Inputs and 1 Output
- 2 Audio Inputs and 1 Output
- Phono Input
- Direct Mode
- IntelliVolume
- Late Night Mode (High/Low/Off)
- Headphone Jack
- Aluminum Front Panel
- Preprogrammed RI (Remote Interactive) Learning Remote Control with Macros and Mode-Key LEDs

SPECIFICATIONS

AMPLIFIER SECTION

Power Output	
Front L/R	200 W + 200 W (6 Ω, 1 kHz, 1 channel driven, IEC)
Center	200 W (6 Ω, 1 kHz, 1 channel driven, IEC)
Surround L/R	200 W + 200 W (6 Ω, 1 kHz, 1 channel driven, IEC)
Surround Back L/R	200 W + 200 W (6 Ω, 1 kHz, 1 channel driven, IEC)
Dynamic Power	
	320 W (3 Ω, 1 ch)
	270 W (4 Ω, 1 ch)
	160 W (8 Ω, 1 ch)
THD (Total Harmonic Distortion)	
	0.05% (Rated power)
Damping Factor	
	60 (Front, 1 kHz, 8 Ω)
Input Sensitivity and Impedance	
	200 mV/47 kΩ (Line)
	2.5 mV/47 kΩ (Phono MM)
Output Level and Impedance	
	200 mV/470 Ω (Rec out)
Phono Overload	
	70 mV (MM, 1 kHz, 0.5%)
Frequency Response	
	5 Hz–100 kHz/+1 dB, -3 dB (Direct mode)
Tone Control	
	±10 dB, 20 Hz (Bass)
	±10 dB, 20 kHz (Treble)
Signal-to-Noise Ratio	
	110 dB (Line, IHF-A)
Speaker Impedance	
	4 Ω–16 Ω or 6 Ω–16 Ω

VIDEO SECTION

Input Sensitivity/Output Level and Impedance	
Video	1 Vp-p/75 Ω (Component and S-Video Y)
	0.7 Vp-p/75 Ω (Component Pb/Ca, Pr/Cr)
	0.28 Vp-p/75 Ω (S-Video C)
	1 Vp-p/75 Ω (Composite)
Component Video Frequency Response	
	5 Hz–100 MHz (-3 dB)

TUNER SECTION

Tuning Frequency Range	
FM	87.5 MHz–108 MHz
AM	522 kHz–1,611 kHz
FM/AM Preset Memory	
	40 stations

GENERAL

Power Supply	AC 220–240 V~, 50/60 Hz
Power Consumption	870 W
Dimensions (W x H x D)	435 x 194 x 458.5 mm
Weight	23.3 kg

CARTON

Dimensions (W x H x D)	587 x 332 x 571 mm
Weight	28.5 kg

ADVANCED FEATURES

- THX Ultra2 Certified with THX Loudness Plus
- DTS-HD Master Audio™, DTS-HD High Resolution Audio™, Dolby™ TrueHD, Dolby™ Digital Plus Decoding
- HDMI™ (Version 1.3a to Support Deep Color™, x.v.Color™, LipSync, Dolby TrueHD, DTS-HD Master Audio, DVD-Audio, and Super Audio CD)
- VLSC (Vector Linear Shaping Circuitry) for All Channels
- HDMI Audio and Video Processing (1080p; 4 Inputs and 2 Outputs [Main/Sub])
- HDMI Video Upscaling (Up to 1080p) with HQV Reon-VX
- Component Video Upscaling (Up to 1080i)
- Audyssey MultEQ™ XT to Correct Room Acoustic Problems and to Calibrate Speakers
- Audyssey Dynamic EQ™ for Loudness Correction
- Audyssey Dynamic Volume™ to Maintain Optimal Listening Level and Dynamic Range
- Parallel Push-Pull Amplification Design with Three-Stage Inverted Darlington Circuitry



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