

TX-SR505 7.1-Channel Home Theater Receiver

GOLD **SILVER** **BLACK**



Color availability depends on region.

Experience Seriously Capable Home Theater with Stunning Versatility

Trying to find that perfect mix of reliable audio and video performance, precise movie and music processing and versatile integration is the ultimate goal for the home theater industry. Particularly at the entry level, you'll find few A/V receivers adept at doing what they promise. The TX-SR505 is an agreeable exception. Relying on Onkyo's Wide Range Amplifier Technology (WRAT) to provide a plentiful power reservoir, an extended frequency range and wide audio dynamics, this A/V receiver has the credentials to partner a whole range of components and speakers. Taking full advantage of this rock-solid platform, the TX-SR505 brings you enhanced functionality in the form of video switching to connected HDTVs and correction for room acoustics via Audyssey 2EQ™.

- 160 W/Ch Minimum into 6 Ω, 1 kHz, 1 Channel Driven, JEITA
- 130 W/Ch Minimum into 6 Ω, 1 Channel Driven, IEC
- DTS®-ES™ Discrete/Matrix, DTS® Neo:6, DTS® 96/24, Dolby® Digital EX™, Dolby® Pro Logic IIx
- H.C.P.S. (High Current Power Supply) Massive High Power Transformer
- 192 kHz/24-Bit DACs for All Channels
- HDTV-Capable (50 MHz) Component Video Switching (3 Inputs and 1 Output)
- WRAT (Wide Range Amplifier Technology)
- Advanced 32-Bit Processing DSP Chip
- Audyssey 2EQ to Correct Room Acoustic Problems and to Calibrate Speakers
- 4 Digital Inputs (2 Optical/2 Coaxial)
- 3 S-Video Inputs and 2 Outputs
- Subwoofer Pre Out
- CinemaFILTER™

- Pure Audio Mode
- A-Form Listening Mode Memory
- Optimum Gain Volume Circuitry
- Color-Coded 7.1-Multichannel Inputs (Receive 7.1 Surround Sound from Compatible Blu-ray and HD-DVD Players)
- Speaker A/B Drive
- Color-Coded Dual Banana Plug-Compatible Speaker Posts (Except Speaker B)
- Crossover Adjustment at 40/50/60/80/100/120/150/200 Hz for Bass Management
- A/V Synchronization Function (Up to 100 ms in 20 ms Steps)
- 40 FM/AM Random Presets
- Compatible with RI Dock for the iPod
- Front Panel Auxiliary Input (for Camcorders, Game Consoles, etc.)
- Preprogrammed RI (Remote Interactive) Remote Control with Mode-Key LEDs



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Wide Range Amplifier Technology (WRAT) Providing Amplification Backbone

Without a time-tested amplifier design and precise digital-to-analog conversion process, the most advanced processing features cannot deliver a higher standard of audio from the latest high-definition video and audio formats. WRAT is based on three key factors: (1) A low negative-feedback design for cleaner audio across the frequency range; (2) Closed ground-loop circuits to cancel individual circuit noise and keep the ground potential free of distortion; and (3) A High Instantaneous-Current Capability to handle speaker reflex energy and impedance fluctuations. WRAT will bring the best out of movie, music, broadcast and gaming sources.

Component Video Switching (50 MHz) with Single Connection to HDTV

With three component video inputs, you can have up to three of today's latest A/V components—think DVD/universal players, cable/set-top boxes, DVRs and gaming consoles such as the Xbox and PlayStation 3—connected simultaneously for output to the latest flat-panel and rear-projection displays. With a frequency range out to 50 MHz, you have more than enough bandwidth to pass 720p and 1080i signals (which require at least 37 MHz of bandwidth) to a high-definition display.

Audyssey 2EQ to Counteract Room Acoustic Problems and Calibrate Speakers

Audyssey 2EQ counters distortion created by walls, furniture and other objects. It detects speaker distance, and then sets levels, delays, and crossovers and measures room acoustics. Compared to one-position room correction systems, Audyssey 2EQ covers a much wider listening area. Moreover, it corrects problems in both frequency response and time domain (where most of the problems lie) in the entire listening area. The results are immediately obvious—a clear, well-balanced and natural sound.

Access to a Full Suite of Surround Sound and Hi-Def Formats

The TX-SR505 has the onboard codecs to effectively reproduce stereo and multichannel sources in enveloping 6.1 or 7.1 surround sound. Also, by connecting a compatible HD-DVD or Blu-ray Disc player with 5.1- or 7.1-line level outputs to the TX-SR505's 7.1-multichannel inputs, you'll be able to experience surround sound from Blu-ray and DVD-HD discs.

Fine-Tuning Features Including Crossover Adjustment and A/V Synchronization

With a wide-ranging crossover adjustment—40/50/60/80/100/120/150/200 Hz—the TX-SR505 gives you greater capacity to choose from a range of speaker packages. You can accurately control bass management to suit your speakers and your preferences. The A/V synchronization feature, meanwhile, addresses the problem of out-of-sync audio and video signals on DVD players using progressive scan. You can delay the audio signal up to 100 milliseconds in 20-millisecond steps to realign the audio and video output.

Fully Compatible with the iPod Family Courtesy of the Onkyo RI Dock

The ubiquitous iPod has revolutionized how we listen to and store our music and video. With Onkyo's RI Dock (sold separately), you can integrate virtually any iPod model with your home theater system. Using the dock also gives you additional functionality when connected through Onkyo's Remote Interactive (RI) system.

SPECIFICATIONS

AMPLIFIER SECTION

Power Output	
Front L/R	160 W + 160 W (6 Ω, 1 kHz, 1 channel driven, JEITA) 130 W + 130 W (6 Ω, 1 kHz, 1 channel driven, IEC)
Center	160 W (6 Ω, 1 kHz, 1 channel driven, JEITA) 130 W (6 Ω, 1 kHz, 1 channel driven, IEC)
Surround L/R	160 W + 160 W (6 Ω, 1 kHz, 1 channel driven, JEITA) 130 W + 130 W (6 Ω, 1 kHz, 1 channel driven, IEC)
Surround Back L/R	160 W + 160 W (6 Ω, 1 kHz, 1 channel driven, JEITA) 130 W + 130 W (6 Ω, 1 kHz, 1 channel driven, IEC)
Dynamic Power	
	180 W (3 Ω, 1 ch) 160 W (4 Ω, 1 ch) 100 W (8 Ω, 1 ch)
THD (Total Harmonic Distortion) 0.08% (Rated power)	
Damping Factor 60 (Front, 1 kHz, 8 Ω)	
Input Sensitivity and Impedance 200 mV/47 kΩ (Line)	
Output Level and Impedance 200 mV/470 Ω (Rec out)	
Frequency Response 5 Hz–100 kHz±1 dB, -3 dB (Direct mode)	
Tone Control ±10 dB, 50 Hz (Bass) ±10 dB, 20 kHz (Treble)	
Signal-to-Noise Ratio 100 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/Cb, Pr/Cr) 0.28 Vp-p/75 Ω (S-Video C) 1 Vp-p/75 Ω (Composite)
Component Video Frequency Response 5 Hz–50 MHz	

TUNER SECTION

Tuning Frequency Range	
FM	87.5 MHz–108 MHz
AM	522 kHz–1,611 kHz 530 kHz–1,710 kHz
FM/AM Preset Memory 40 stations	

GENERAL

Power Supply AC 120/220 V, 50/60 Hz AC 220 V, 50/60 Hz	
Power Consumption 510 W 560 W	
Standby Power Consumption 0.5 W	
Dimensions (W x H x D) 435 x 150 x 377 mm	
Weight 10.5 kg/10.2 kg	

■ CARTON

Dimensions (W x H x D) 537 x 252 x 481 mm	
Weight 12.7 kg/12.4 kg	

OTHER FEATURES

- Double Bass Function
- Non-Scaling Configuration
- Tone Control (Bass/Treble) for Front L/R Channels
- 4 Composite Video Inputs and 2 Outputs
- 4 A/V Inputs and 1 Output
- 2 Audio Inputs and 1 Output
- Late Night Mode (High/Low/Off)
- Digital Upsampling
- Display Dimmer (3 Modes)
- Headphone Jack
- Sleep Timer (via Remote)
- Battery-Free Memory Backup
- Aluminum Front Panel



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Onkyo Corporation 2-1 Nishishin-cho, Neyagawa-shi, Osaka 572-8540, JAPAN Tel: +81-72-831-8136 Fax: +81-72-833-5222 <http://www.onkyo.com/>
 Onkyo China Limited Unit 1 & 12, 9/F, Ever Gain Plaza Tower 1, 88, Container Port Road, Kwai Chung, N.T., HONG KONG, SAR of China Tel: +852-2429-3118 Fax: +852-2428-9039 <http://www.ch.onkyo.com/>
 Onkyo U.S.A. Corporation 18 Park Way, Upper Saddle River, N.J. 07458, U.S.A. Tel: +1-201-785-2600 Fax: +1-201-785-2650 <http://www.onkyousa.com/>
 Onkyo Europe Electronics GmbH Liegnitzerstrasse 6, 82194 Grobenzell, GERMANY Tel: +49-8142-4401-0 Fax: +49-8142-4401-555 <http://www.eu.onkyo.com/>