

TX-SR507

 5.1-Channel AV Surround Home Theatre Receiver

SILVER **BLACK**


HDMI™ Version 1.3a* Brings HD Audio to Entry-Level Home Entertainment

If you're looking for a budget-friendly A/V receiver that offers versatile connectivity and compatibility with the latest processing technology, Onkyo's TX-SR507 has you covered. With four HDMI 1.3a inputs, it can accept up to four high-definition sources—from Blu-ray Disc to HD broadcasting to high-def games—and output them to your compatible HDTV. HDMI 1.3a also enables you to enjoy the pristine "lossless" audio of Dolby® TrueHD and DTS-HD Master Audio™, as well as secondary audio on Blu-ray Disc via DTS-HD Express. The TX-SR507 comes with a suite of Audyssey surround-sound technologies to help tailor audio output to the unique dimensions of your entertainment space. Meanwhile, a new universal port makes it easy to incorporate an optional Onkyo Dock for the iPod or Onkyo DAB+ radio tuner into your system. With all this, plus four high-impact Game Modes and the ability to send different audio to two rooms simultaneously, the TX-SR507 puts a huge amount of entertainment potential at your fingertips.

1080p Video and High-Def Surround Sound via HDMI 1.3a

Incorporating HDMI version 1.3a, along with advanced processing capabilities, the TX-SR507 makes for a powerful A/V control center. Up to four components can be connected via HDMI, including Blu-ray Disc players, gaming consoles, and set-top boxes. The TX-SR507 can receive and switch high-def media, such as HD broadcasts and Blu-ray Discs, and send a pure digital output to your HDTV. What's more, all multichannel audio—from bit-for-bit streams to standard Dolby® Digital—can be input via HDMI for processing on the TX-SR507. HDMI version 1.3a enables CEC (Consumer Electronics Control) and offers greater bandwidth to deal with higher resolutions, 36-bit Deep Color™, and high frame rates.

A Full Range of the Latest High-Definition Surround-Sound Codecs

The TX-SR507 handles Dolby TrueHD and DTS-HD Master Audio—two lossless decoding formats that enable delivery of a bit-for-bit soundtrack identical to the studio master track. Both codecs take advantage of the high data capacity of the Blu-ray Disc (BD) format. Another BD-related technology is DTS-HD Express, which provides access to secondary audio features. The TX-SR507 also handles two "lossy" audio formats: Dolby® Digital Plus and DTS-HD High Resolution Audio™. Dolby Digital Plus is designed to accompany high-definition video delivered via disc media, broadcasts, and online content. DTS-HD High Resolution Audio, meanwhile, offers a greater bit rate, a higher sampling rate, and more channels than the core DTS technology.

A Suite of Audyssey Technologies for the Ideal Listening Environment

The TX-SR507 has three Audyssey technologies to help create the most suitable listening environment for your home.

(1) Audyssey 2EQ™ for Room Acoustic Correction

The TX-SR507 uses Audyssey 2EQ to counter distortion created by walls, furniture, and other objects. This technology detects speaker distance, and then sets levels, delays, and crossovers, while also measuring 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) across the entire listening area. The results are immediately obvious—a clear, well-balanced, and natural sound.

(2) Audyssey Dynamic Volume™

This technology allows you to set the volume level that you want and keep it there, without having to constantly adjust it. By anticipating sudden spikes and dips in the audio soundtrack and compensating for them in real time, Audyssey Dynamic Volume ensures consistent volume levels, regardless of the content you're enjoying. Thanks to Audyssey Dynamic Volume, quiet dialogue is easier to pick up, loud passages retain their impact, and commercials are less intrusive.

(3) Audyssey Dynamic EQ™ for Loudness Correction

In professional sound studios, music and movies are recorded at reference levels far louder than what is typical for home listening. As a result, when you play audio content at a low volume on a standard home theatre receiver, the bass disappears, voices change in timbre, and the surround soundstage loses definition. To counteract this audio deterioration, Audyssey Dynamic EQ continuously adjusts frequency response and surround levels to produce the ideal balance for a given volume level.



*HDMI version 1.3a supports Deep Color™, x.v.Color™, LipSync, Dolby TrueHD, DTS-HD Master Audio, DVD-Audio, Super Audio CD, and CEC.

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Universal Port for Single-Cable Connection of Optional Onkyo Dock for the iPod or DAB+ Radio Tuner

The TX-SR507 features a proprietary universal port, located on the rear side of the unit, to which you can connect Onkyo's DAB+ radio tuner or Dock for the iPod. The dock sends both video and audio signals through a single cable. Earlier versions of Onkyo's Dock for the iPod can be connected via our Remote Interactive (RI) system.

Music Optimizer™ and Convenient Front-Panel Audio Input for Portable Devices

An audio input on the front panel of the TX-SR507 enables you to connect your iPod or other MP3 player directly to the system. The TX-SR507's onboard Music Optimizer technology then works to enhance the quality of your compressed digital music files by compensating for bit information lost at higher frequencies.

Four Game Modes for More Thrilling Action

A new addition to Onkyo home theatre, these four gaming modes create an experience with more realism and impact. You can select from Rock, Sports, Action, or Role Playing Game (RPG) modes to match your gaming content.

Playback of Different Audio Sources in Two Different Zones

With Powered Zone 2 and a Zone 2 line-out, you can enjoy stereo sound in the main room while you play back a completely different stereo source in a second zone equipped with an amplifier or a pair of speakers.

ADVANCED FEATURES

- DTS-HD Master Audio™, DTS-HD High Resolution Audio™, DTS-HD Express, 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, Super Audio CD, and CEC
- HDMI Audio and Video Processing (1080p; 4 Inputs and 1 Output)
- HDTV-Capable HDMI Video Switching
- Audyssey 2EQ™ to Correct Room Acoustic Problems
- Audyssey Dynamic Volume™ to Maintain Optimal Listening Level and Dynamic Range
- Audyssey Dynamic EQ™ for Loudness Correction
- Powered Zone 2 and Zone 2 Line-Out for Playback in Another Room (Separate Source)
- 4 DSP Modes for Gaming: Rock, Sports, Action, and Role Playing Game (RPG)
- Universal Port for Single-Cable Connection of Optional Onkyo Dock for the iPod or DAB+ Radio Tuner
- Front-Panel Audio Input for Portable Devices
- Music Optimizer for Compressed Digital Music Files

AUDIO & VIDEO FEATURES

- 130 W/Ch at 6 Ω, 1 kHz, 1 Channel Driven, IEC
- DTS-ES™ Discrete/Matrix, DTS Neo:6®, DTS 96/24™, Dolby® Digital EX™, Dolby® Pro Logic® IIx Decoding
- DTS Surround Sensation® Speaker Technology
- H.C.P.S. (High Current Power Supply) Massive High Power Transformer
- 192 kHz/24-Bit DACs for All Channels
- Advanced 32-Bit Processing DSP Chip
- 4 Digital Inputs (2 Optical and 2 Coaxial)
- Front-Panel Auxiliary A/V Input (for Camcorders, Game Consoles, etc.)
- HDTV-Capable (720p/1080i) Component Video Switching (2 Inputs and 1 Output)
- Optimum Gain Volume Control Circuitry
- WRAT (Wide Range Amplifier Technology)
- Theater-Dimensional Virtual Surround Function
- CinemaFILTER™
- RIHD (Remote Interactive over HDMI) for System Control
- A-Form Listening Mode Memory
- Double Bass Function
- Direct Mode
- Pure Audio Mode
- Crossover Adjustment (40/50/60/80/100/120/150/200 Hz)
- A/V Sync Control Function (Up to 100 ms in 20 ms Steps)
- Subwoofer and Surround Back Pre Outs
- Banana Plug-Compatible Speaker Posts (Except Zone 2)
- Color-Coded Speaker Terminals
- 40 FM/AM Radio Presets
- RDS (PS/RT/PTY/TP)
- Compatible with RI (Remote Interactive) Dock for the iPod
- Preprogrammed RI (Remote Interactive) Remote Control

OTHER FEATURES

- Non-Scaling Configuration
- Tone Control (Bass/Treble) for Front L/R Channels
- 4 A/V Inputs and 1 Output
- Video Output (Monitor)
- 2 Audio Inputs and 1 Output
- Display Dimmer (Normal/Dim/Dimmer)
- Headphone Jack
- Sleep Timer (via Remote)
- Battery-Free Memory Backup

SPECIFICATIONS

Amplifier Section

Power Output	
Front L/R	130 W/Ch (6 Ω, 1 kHz, 1 channel driven, IEC)
Center	130 W (6 Ω, 1 kHz, 1 channel driven, IEC)
Surround L/R	130 W/Ch (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% (1 kHz, 1W Output)

Damping Factor	60 Front, 1 kHz, 8 Ω
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Input Sensitivity and Impedance	
	200 mV/47 kΩ (Line)

Output Level and Impedance	
	200 mV/2.2 kΩ (Rec out)

Frequency Response	5 Hz–100 kHz/+1 dB, -3 dB
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Tone Control	
	±10 dB, 50 Hz (Bass)
	±10 dB, 20 kHz (Treble)

Signal-to-Noise Ratio	106 dB (Line, IHF-A)
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Speaker Impedance	4 Ω–16 Ω or 6 Ω–16 Ω
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Video Section

Input Sensitivity/Output Level and Impedance	
Video	1.0 Vp–p/75 Ω (Component)
	0.7 Vp–p/75 Ω (Component Ps/Cs, Ph/Cs)
	1.0 Vp–p/75 Ω (Composite)

Component Video Frequency Response	
	5 Hz–50 MHz, -3 dB

Tuner Section

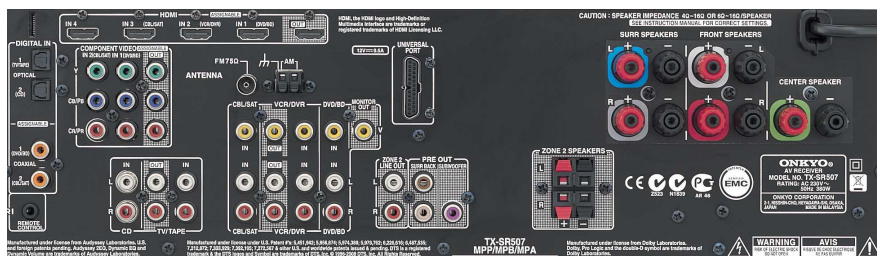
Tuning Frequency Range	
FM	87.5 MHz–108 MHz
AM	522 kHz–1,611 kHz
FM/AM Preset Memory	40 stations

General

Power Supply	AC 230 V~, 50 Hz
Power Consumption	380 W
Dimensions (W x H x D)	435 x 151.5 x 329 mm
Weight	9.6 kg

■ CARTON

Dimensions (W x H x D)	537 x 268 x 416 mm
Weight	12.7 kg



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IMAGINATIVE SIGHT & SOUND

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