

# TX-SR607 7.2-Channel AV Surround Home Theatre Receiver

SILVER BLACK



## A Stunning Balance of High-Definition Formats, Upscaling Video, and All-Round Versatility

The TX-SR607 raises the bar once again in the competitive world of mid-range home theatre. With HDMI 1.3a inputs for up to six components, it's ready to handle all your high-definition video and audio needs. Whether it's a Blu-ray Disc player, a cable or satellite box, or a gaming console, your video signals will be traveling first class. Lower-resolution analog video signals, meanwhile, can be upscaled to 1080i and fine-tuned by Faroudja DCDi Edge™. HDMI version 1.3a also transports the master-quality HD audio formats, DTS-HD Master Audio™ and Dolby® TrueHD. The very latest Dolby technology, Dolby® Pro Logic® IIz, enhances the spatial sensation of music, movies, and video games by letting you incorporate front height channels. The TX-SR607 also includes convenient connectivity options for iPod, MP3 players, and more. Four specialized gaming modes, Audyssey room-correction technologies, and Zone 2 capability add the gloss to what is a phenomenal all-round package.

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

Incorporating HDMI version 1.3a, along with advanced processing capabilities, the TX-SR607 makes for a powerful A/V control center. Five rear-side HDMI inputs, along with a convenient front-side one, enable connection of up to six components, including Blu-ray Disc players, gaming consoles, and set-top boxes. The TX-SR607 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-SR607. 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.

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

### Dolby Pro Logic IIz for a 3-Dimensional Sound Field

Dolby Pro Logic IIz offers the proven quality of Dolby Pro Logic IIx and adds a new vertical dimension to your home theatre soundstage. As with previous versions of Dolby Pro Logic, this latest version delivers a convincing surround-sound experience from any movie or music source—even a stereo one. On the TX-SR607, Dolby Pro Logic IIz enables you to incorporate two "front height" speakers into your surround-sound set-up as an alternative to the two surround back speakers. The front height channels carry ambient, non-directional audio that helps immerse you even more deeply into your movies and games. With Dolby Pro Logic IIz, rain seems to burst from clouds right above you, and helicopters fly realistically overhead.

### A Full Range of the Latest High-Definition Surround-Sound Codescs

The TX-SR607 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-SR607 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-SR607 has three Audyssey technologies to help create the most suitable listening environment for your home.

#### (1) Audyssey 2EQ™ for Room Acoustic Correction

Tailors multichannel audio for your home theatre by correcting problems both in frequency response and in the time domain (where most of the problems lie) for a clear, precise, and natural sound.

#### (2) Audyssey Dynamic Volume™

Maintains the desired listening level for all content while optimizing the dynamic range.

#### (3) Audyssey Dynamic EQ™ for Loudness Correction

Solves the problem of deteriorating sound quality at lower volumes.



# TX-SR607 7.2-Channel AV Surround Home Theatre Receiver

## HDMI™ Video Upscaling (to 1080i) and Faroudja DCDi Edge™ (Directional Correlational Deinterlacing) Technology

The TX-SR607's HDMI can receive pristine digital video from HDMI-enabled components for a single-cable output to a display device with an HDMI or DVI connection. Native 1080p video is processed as it is, but lower-resolution signals from component video and composite video are upscaled to 1080i via HDMI. Upscaling takes the video resolution to HD quality, so it better matches the resolution of today's high-definition displays. To further improve performance on high-definition displays, the TX-SR607 features a deinterlacing chip with Faroudja DCDi Edge technology, which effectively eliminates video artifacts.

## Universal Port for Single-Cable Connection of Optional Onkyo Dock for the iPod

The TX-SR607 features a proprietary universal port, located on the rear side of the unit, to which you can connect Onkyo's 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-SR607 enables you to connect your iPod or other MP3 player directly to the system. The TX-SR607'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.

## Playback of Different Audio Sources in Two Different Zones

With Power Zone 2 and a Zone 2 line-out, you can enjoy surround-sound entertainment 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.

## Bi-Amping Capability for High-Impact Movies and Music

The TX-SR607's surround back speaker channels provide the ambience and effects for movies. They can also be used with the front left and right channels to provide two separate amplification channels for compatible bi-amping speakers (i.e., those with two sets of input terminals). In effect, bi-amping gives a more powerful, dynamic soundfield for two-channel music and movie sound effects.

## ADVANCED FEATURES

- DTS-HD Master Audio™, DTS-HD High Resolution Audio™, DTS-HD Express, Dolby® TrueHD, Dolby® Digital Plus, Dolby® Pro Logic® IIz 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
- Audio and 1080p Video Processing via HDMI (1 Front/5 Rear Inputs and 1 Output)
- HDTV-Capable HDMI Video Switching
- HDMI Video Upscaling to 1080i from Component Video and Composite Video Inputs
- Deinterlacer with Faroudja DCDi Edge™ (Directional Correlational Deinterlacing) Technology

- 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

## AUDIO & VIDEO FEATURES

- 105 Watts per Channel at 8 Ω, 1 kHz, 0.7%, 2 Channels Driven, FTC;
- 140 W/Ch at 6 Ω, 1 kHz, 1 Channel Driven, IEC;
- 175 W/Ch at 6 Ω, 1 kHz, 1 Channel Driven, JEITA
- DTS-ES™ Discrete/Matrix, DTS Neo:6®, DTS 96/24™, Dolby® Digital EX™ 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 Audio Input for Portable Devices
- 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
- Bi-Amping Capability for Music and Movie Sound Effects
- WRAT (Wide Range Amplifier Technology)
- Music Optimizer for Compressed Digital Music Files
- 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
- Independent Crossover Adjustment for F/C/S/SB (40/50/60/80/100/120/150/200 Hz)
- A/V Sync Control Function (Up to 100 ms in 10 ms Steps)
- Dual Subwoofer Pre Outs
- Banana Plug-Compatible Speaker Posts
- Color-Coded Speaker Terminals
- 40 FM/AM Random Presets
- Compatible with RI (Remote Interactive) Dock for the iPod
- Preprogrammed RI Remote Control with Onscreen Setup

## OTHER FEATURES

- Non-Scaling Configuration
- Tone Control (Bass/Treble) for Front L/R Channels
- 5 A/V Inputs and 1 Output
- Video Output (Monitor)
- 2 Audio Inputs and 1 Output
- Onscreen Display (OSD) for HDMI Output
- Display Dimmer (Normal/Dim/Dimmer)
- Headphone Jack
- Sleep Timer (via Remote)
- Battery-Free Memory Backup
- Aluminum Front Panel
- Spin-Finished Aluminum Volume Knob

## SPECIFICATIONS

### Amplifier Section

Power Output	
Front L/R	105 W + 105 W (8 Ω, 1 kHz, 0.7%, 2 channels driven, FTC)
	140 W/Ch (6 Ω, 1 kHz, 1 channel driven, IEC)
	175 W/Ch (6 Ω, 1 kHz, 1 channel driven, JEITA)
Center	105 W (8 Ω, 1 kHz, 0.7%, 2 channels driven, FTC)
	140 W (6 Ω, 1 kHz, 1 channel driven, IEC)
	175 W (6 Ω, 1 kHz, 1 channel driven, JEITA)
Surround L/R	105 W + 105 W (8 Ω, 1 kHz, 0.7%, 2 channels driven, FTC)
	140 W/Ch (6 Ω, 1 kHz, 1 channel driven, IEC)
	175 W/Ch (6 Ω, 1 kHz, 1 channel driven, JEITA)
Surround Back L/R	105 W + 105 W (8 Ω, 1 kHz, 0.7%, 2 channels driven, FTC)
	140 W/Ch (6 Ω, 1 kHz, 1 channel driven, IEC)
	175 W/Ch (6 Ω, 1 kHz, 1 channel driven, JEITA)
Dynamic Power	
	210 W (3 Ω, 1 ch)
	180 W (4 Ω, 1 ch)
	110 W (8 Ω, 1 ch)

### THD (Total Harmonic Distortion)

0.08% (1 kHz, 1W Output)

Damping Factor 60 (Front, 1 kHz, 8 Ω)

### 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

Tone Control ±10 dB, 50 Hz (Bass)

±10 dB, 20 kHz (Treble)

Signal-to-Noise Ratio 106 dB (Line, IHF-A)

Speaker Impedance 4 Ω–16 Ω or 6 Ω–16 Ω

### Video Section

#### Input Sensitivity/Output Level and Impedance

Video 1.0 Vp–p/75 Ω (Component)

0.7 Vp–p/75 Ω (Component Pa/Ca, Pr/Cr)

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 550 W

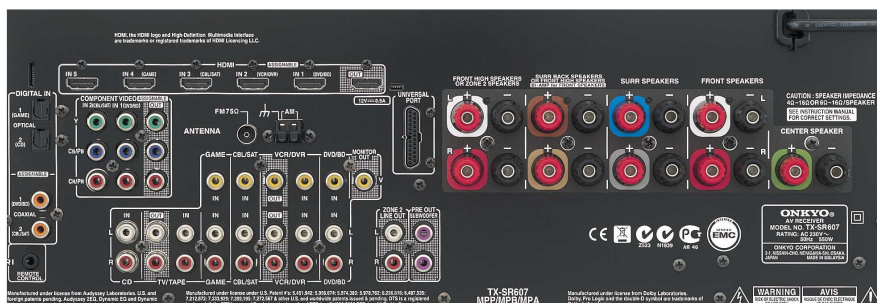
Dimensions (W x H x D) 435 x 176 x 329 mm

Weight 11.0 kg

### ■ CARTON

Dimensions (W x H x D) 570 x 297 x 423 mm

Weight 13.6 kg



Due to a policy of continuous product improvement, Onkyo reserves the right to change specifications and appearance without notice. Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories. DTS is a registered trademark and the DTS logos and Symbol are trademarks of DTS, Inc. iPod is a registered trademark of Apple Inc., registered in the U.S. and other countries. Manufactured under license from Audyssey Laboratories. U.S. and foreign patents pending. ZEQ, Dynamic EQ, and Dynamic Volume are trademarks of Audyssey Laboratories. HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC. x.v.Color is a trademark of Sony Corporation. Faroudja DCDi Edge is a registered trademark of Genesis Microchip Inc. WRAT, Music Optimizer, CinemaFILTER, and Theater-Dimensional are trademarks of Onkyo Corporation. All other trademarks and registered trademarks are the property of their respective holders.

**ONKYO**  
IMAGINATIVE SIGHT & SOUND

Onkyo Corporation 2-1 Nishin-cho, Negayawa-shi, Osaka 572-8540, JAPAN Tel: +81-72-831-8136 Fax: +81-72-833-5222 <http://www.onkyo.com/>  
Australia: Amber Technology Ltd. Unit B, 5 Skyline Place, Frenchs Forest, NSW 2086, Sydney, AUSTRALIA Tel: +61-2-9452-8600 Fax: +61-2-9975-1368 <http://www.ambertech.com.au/>  
e-mail: [consumer@ambertech.com.au](mailto:consumer@ambertech.com.au)  
New Zealand: B&W Loudspeakers (N.Z.) Ltd. 95 Tuam Street, Christchurch, NEW ZEALAND Tel: +64-3-365-5677 Fax: +64-3-366-7853 <http://www.onkyo.co.nz/>