

TX-SR578 7.1-Channel Home Theatre Receiver

BLACK



Make Your First Step in Home Theatre a Giant Leap

Keen to move up to the world of stunning surround sound and fully immersive movies and games? If so, the TX-SR578 is a great place to start. Onkyo's gift to you is an eye-opening, ear-pleasuring bundle of advanced A/V tech made affordable. Connectivity options include four of the latest 3D-ready HDMI® 1.4a inputs for high-def sources, a Universal Port for peripherals, and a front-side input for portable devices. On the processing side, you get 1080p upscaling of all video sources via HDMI and Faroudja DCDi Cinema™; lossless HD audio formats from Dolby and DTS; and Dolby® Pro Logic® IIz for new vertical surround-sound possibilities. Thanks to Audyssey volume and equalization technologies, you'll enjoy optimal listening levels and a well-balanced soundstage. When it comes to adjusting the settings, Onkyo's new overlaid graphical On-Screen Display makes it easier than ever. All of these bells and whistles would mean nothing if they weren't backed up by decades of Onkyo amplifier know-how in the form of WRAT (Wide Range Amplifier Technology) and a high-current, low-impedance drive.

HDMI® 1.4a Support for 3D Video and Audio Return Channel

The four HDMI 1.4a inputs on the TX-SR578 let you simultaneously connect high-def sources such as a Blu-ray player, a gaming console, and a cable/satellite tuner. A single output then sends a pristine signal to your connected high-resolution display. As the latest version of this connector, HDMI 1.4a adds the exciting possibilities of 3D video and an Audio Return Channel. 3D video is the next big thing in home entertainment, with movie, game, and broadcast content on the increase and 3D-compatible TVs on the near horizon. The TX-SR578 also offers the convenience of an Audio Return Channel via HDMI. Audio content received directly by your HDTV's tuner can be sent "upstream" to your A/V receiver, without the need for a separate S/PDIF audio cable.

HDMI Video Upscaling to 1080p with Faroudja DCDi Cinema™

When it comes to video processing, the Faroudja DCDi Cinema (Directional Correlational Deinterlacing) video processor offers several advantages. This processor can accept any video signal, regardless of the source resolution, and upscale it to 1080p to match the native resolution of your high-definition display. What's more, DCDi Cinema effectively removes video artifacts such as jagged edges during the video signal deinterlacing process. You get to enjoy smooth progressive scan video images, even for fast-moving sports and action scenes.

Decoding of High-Definition Surround-Sound Codecs

The TX-SR578 can decode Dolby® TrueHD and DTS-HD Master Audio™—two lossless formats that enable delivery of a bit-for-bit soundtrack identical to the studio master track. These codecs, previously available only on mid-range and high-end receivers, take advantage of the high data capacity of the Blu-ray format.

Dolby® Pro Logic® IIz Adds New Dimensions to Surround Sound

On the TX-SR578, 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.

Convenient Overlaid Graphical On-Screen Display via HDMI

Changing your A/V receiver's settings is now more seamless than ever, thanks to the TX-SR578's new overlaid graphical On-Screen Display (OSD) feature. Simply press the Audio button on the included remote controller, and semi-transparent graphical set-up menus appear overlaid on the video image you're watching. This means you can adjust the settings immediately, without having to switch back and forth from a blank screen background.



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192 kHz/24-Bit Burr-Brown DACs Improve Jitter Performance to Deliver Clearer Sound

High-quality Burr-Brown DACs (PCM1690) work to optimize analog audio performance on the TX-SR578. These DACs perform advanced 24-bit signal processing and support sampling rates of up to 192 kHz, while displaying high resistance to clock jitter and offering a 113 dB dynamic range.

A Suite of Audyssey Technologies for the Ideal Listening Environment

(1) **Audyssey 2EQ™** tailors multi-channel audio for your home theatre speaker set-up by measuring three room positions and applying a resolution filter to the satellite speakers to correct for room acoustics.

(2) **Audyssey Dynamic Volume™** automatically compensates for volume fluctuations in different audio content—for example, during commercial breaks—while optimizing the dynamic range.

(3) **Audyssey Dynamic EQ™** maintains a consistent bass response, tonal balance, and surround-sound effect at different volume levels, so you can enjoy the natural dynamics of your content regardless of the volume.

Playback of Different Audio Sources in Two Different Zones

With Powered Zone 2, you can enjoy surround-sound entertainment in the main room, while playing back a different stereo source in a second zone equipped with a pair of speakers. Alternatively, you can use the Zone 2 line-out to send an unamplified audio signal to an amplifier (and speakers) in the second room.

Universal Port for Single-Cable Connection of Optional Onkyo Dock for iPhone/iPod®

A proprietary Universal Port located on the rear side of the TX-SR578 lets you connect an optional UP-A1 Dock for iPhone/iPod. A key advantage of the Universal Port is that it accepts video and audio signals through the same cable that sends a power supply from the receiver to the devices. Net result: more connectivity, less cable clutter.

ADVANCED FEATURES

- HDMI® (Version 1.4a to Support 3D and Audio Return Channel) with Deep Color™, x.v.Color™, LipSync, Dolby® TrueHD, DTS-HD Master Audio™, DVD-Audio, Super Audio CD, Multichannel PCM, and CEC
- HDMI Video Upscaling to 1080p with Faroudja DCDi Cinema™
- Dolby® TrueHD, DTS-HD Master Audio™, Dolby® Digital Plus, DTS-HD High-Resolution Audio™ Decoding
- Dolby® Pro Logic® IIz for New Surround Channels
- Burr-Brown 192 kHz/24-Bit DACs (PCM1690) for All Channels
- Jitter-Cleaning Circuit Technology
- Audyssey 2EQ™ for Room Acoustic Correction
- Audyssey Dynamic Volume™
- Audyssey Dynamic EQ™ for Loudness Correction
- Powered Zone 2 and Zone 2 Line-Out for Playback of Separate Source in Another Room
- Overlaid Graphical On-Screen Display (OSD) via HDMI

AMPLIFIER FEATURES

- 80 W/Ch at 8 Ω, 20 Hz–20 kHz, 0.08%, 2 Channels Driven, FTC;
- 130 W/Ch at 6 Ω, 1 kHz, 1 Channel Driven, IEC;
- 160 W/Ch at 6 Ω, 1 kHz, 1 Channel Driven, JEITA
- WRAT (Wide Range Amplifier Technology)
- High-Current Low-Impedance Drive
- H.C.P.S. (High Current Power Supply) Massive High Power Transformer
- Optimum Gain Volume Circuitry
- Bi-Amping Capability

PROCESSING FEATURES

- Advanced 32-Bit Processing DSP Chip
- 4 DSP Modes for Gaming: Rock, Sports, Action, and RPG (Role Playing Game)
- Music Optimizer™ for Compressed Digital Music Files
- Pure Audio Mode
- Direct Mode
- Double Bass Function
- CinemaFILTER™
- Non-Scaling Configuration
- A-Form Listening Mode Memory
- Theater-Dimensional Virtual Surround Function

CONNECTION FEATURES

- Audio and 1080p Video Processing via HDMI (4 Inputs and 1 Output)
- Universal Port for Single-Cable Connection of Optional Onkyo Dock for iPhone/iPod
- HDTV-Capable (720p/1080i) Component Video Switching (2 Inputs and 1 Output)
- Front-Panel Audio Input for Portable Devices
- Front-Panel Auxiliary A/V Input
- 4 Digital Inputs (2 Optical and 2 Coaxial)
- 4 A/V Inputs and 1 Output
- Video Output (Monitor)
- 1 Audio Input
- Subwoofer Pre Out
- Color-Coded, Banana Plug-Compatible Speaker Posts (Except Front High or Zone 2)
- Headphone Jack

OTHER FEATURES

- Crossover Adjustment (40/50/60/70/80/90/100/120/150/200 Hz)
- A/V Sync Control Function (Up to 200 ms in 10 ms Steps)
- Tone Control (Bass/Treble) for Front L/R Channels
- Display Dimmer (Normal/Dim/Dimmer)
- Sleep Timer (via Remote)
- Battery-Free Memory Backup
- 40 FM/AM Random Presets

- RIHD (Remote Interactive over HDMI) for System Control
- Compatible with RI (Remote Interactive) Dock for iPod
- Preprogrammed RI Remote Control

SPECIFICATIONS

AMPLIFIER SECTION

Power Output	
Front L/R	80 W/Ch (8 Ω, 20 Hz–20 kHz, 0.08%, 2 channels driven, FTC); 130 W/Ch (6 Ω, 1 kHz, 1 channel driven, IEC); 160 W/Ch (6 Ω, 1 kHz, 1 channel driven, JEITA)
Center	80 W (8 Ω, 20 Hz–20 kHz, 0.08%, 2 channels driven, FTC); 130 W (6 Ω, 1 kHz, 1 channel driven, IEC); 160 W (6 Ω, 1 kHz, 1 channel driven, JEITA)
Surround L/R	80 W/Ch (8 Ω, 20 Hz–20 kHz, 0.08%, 2 channels driven, FTC); 130 W/Ch (6 Ω, 1 kHz, 1 channel driven, IEC); 160 W/Ch (6 Ω, 1 kHz, 1 channel driven, JEITA)
Surround Back L/R, Front High L/R, or Zone 2 L/R	80 W/Ch (8 Ω, 20 Hz–20 kHz, 0.08%, 2 channels driven, FTC); 130 W/Ch (6 Ω, 1 kHz, 1 channel driven, IEC); 160 W/Ch (6 Ω, 1 kHz, 1 channel driven, JEITA)
Dynamic Power	
	180 W (3 Ω, Front) 160 W (4 Ω, Front) 100 W (8 Ω, Front)
THD (Total Harmonic Distortion)	
	0.08% (1 kHz, 1 W)
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 (DSP bypass)
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) 1.0 Vp-p/75 Ω (Component Pa/Ca, Pr/Cr) 1.0 Vp-p/75 Ω (Composite)
Component Video Frequency Response	
	5 Hz–100 MHz/0 dB, -3 dB

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

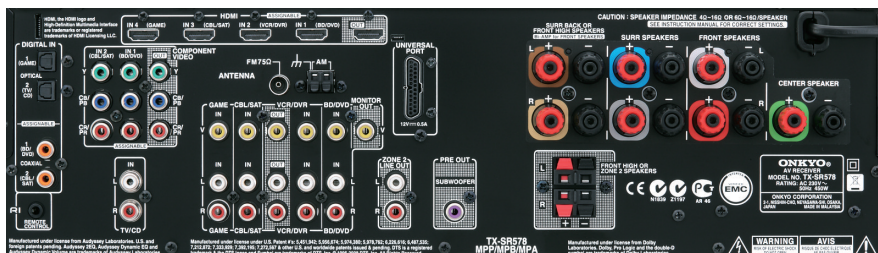
Power Supply	AC 220–240 V-, 50/60 Hz
Power Consumption	450 W
Dimensions (W x H x D)	435 x 151.5 x 328.5 mm
Weight	9.6 kg

CARTON

Dimensions (W x H x D)	537 x 268 x 416 mm
Weight	11.5 kg

Supplied Accessories

- Indoor FM loop antenna • AM loop antenna • Speaker cable labels
- Speaker set-up microphone • Instruction manual • Quick start guide
- Remote controller • AA (R6) batteries x 2



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IMAGINATIVE SIGHT & SOUND

Onkyo Corporation 2-1 Nishin-cho, Neyagawa-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
New Zealand: Avalon Pacific Marketing Limited 15c Vestey Drive, Mt Wellington, Auckland 1060, NEW ZEALAND Tel: +64-9-573-5933 Fax: +64-9-573-3720 <http://www.avalon.co.nz/>