

TX-SR333 5.1-Channel Home Cinema Receiver

BLACK | SILVER



High-Impact Entertainment Hub is Ready for the Future

With 5.1 channels of high-current low-distortion amplification, a whopping six 4K/60 Hz-capable HDMI inputs for all your media players and game consoles, and Dolby® TrueHD and DTS-HD Master Audio™ decoding, you can experience the full slam of high-resolution surround-sound entertainment any time you want. A massive high-current transformer and fully discrete hi-fi amplifiers pump out audio performance way beyond anything you would expect from an A/V receiver at this price, with superbly clear and detailed sound for TV, movies, games, and music. Throw in onboard Bluetooth 2.1 + EDR with DSP optimization for wireless audio streaming from your smartphone or PC and a rear-panel USB for hi-res and lossless digital music, and the enormous value of this package becomes obvious. A powerful, versatile, and easy-to-use hub for all your media sources, the TX-SR333 is the ideal entry point to exhilarating entertainment in your listening space.

ADVANCED FEATURES

- 4K/60 Hz-Capable HDMI® Terminals for Ultra HD Entertainment
- Bluetooth Version 2.1 + EDR Capability (Compatible Profile: A2DP v1.2, AVRCP v1.3)
- Advanced Music Optimizer to Improve Compressed Digital Audio Quality (Now with Bluetooth Included)
- Input Source Preview with InstaPrevue™ Technology
- Phase-Matching Bass Boost for Deep Bass and Clear Mid-Range
- Zone 2 Line-Out for Distributed Audio Playback in Another Room

AMPLIFIER FEATURES

- 100 W/Ch (6 Ω, 1 kHz, 1% THD, 1 Channel Driven, IEC); 120 W/Ch (6 Ω, 1 kHz, 1 Channel Driven, JEITA)
- WRAT (Wide Range Amplifier Technology)
- H.C.P.S. (High Current Power Supply) Massive High Power Transformer
- Discrete Output Stage Circuitry
- PLL (Phase Locked Loop) Jitter-Cleaning Circuit Technology for S/PDIF Audio

PROCESSING FEATURES

- HDMI Support for 4K/60 Hz, 3D, Audio Return Channel, DeepColor™, x.v.Color™, LipSync, Dolby® TrueHD, DTS-HD Master Audio™, DVD-Audio, Super Audio CD, Multichannel PCM, and CEC
- Dolby® TrueHD and DTS-HD Master Audio™ Decoding
- TI Burr-Brown 192 kHz/24-Bit DACs for All Channels
- Advanced 32-Bit DSP Chip
- 4 DSP Modes for Gaming: Rock, Sports, Action, and RPG
- Theater-Dimensional Virtual Surround Function
- CinemaFILTER™
- Pure Audio Mode
- Direct Mode
- Double Bass Function
- Non-Scaling Configuration
- A-Form Listening Mode Memory

CONNECTION FEATURES

- 6 HDMI Inputs and 1 Output
- USB Port (Rear) for Mass Storage Class USB Memory Audio Playback Capability (MP3, FLAC, WAV, Ogg Vorbis, Apple Lossless, DSD)

- HDTV-Capable (720p/1080i) Component Video Switching (1 Input and 1 Output)
- 4 Composite Video Inputs (1 Front/3 Rear) and 1 Output
- 3 Digital Audio Inputs (1 Optical and 2 Coaxial)
- 7 Analog Audio Inputs (1 Front/6 Rear)
- Subwoofer Pre-Out
- Color-Coded Speaker Terminals
- Headphone Jack

OTHER FEATURES

- Crossover Adjustment for Each Channel (40/50/60/70/80/90/100/120/150/200 Hz)
- A/V Sync Control (Up to 400 ms in 10 ms Steps at 48 kHz)
- Overlaid On-Screen Display (OSD) via HDMI with Quick Set-Up and Home Menu
- Hybrid Standby Function (HDMI Passthrough Only)
- Tone Control (Bass/Treble) for Front L/R Channels
- 3-Mode Display Dimmer (Normal/Dim/Dimmer)
- RDS (PS/RT/PTY/TP) (European Model Only)
- 40 FM/AM Random Presets
- RIHD (Remote Interactive Over HDMI) for System Control
- Full-Function RI (Remote Interactive) Remote Control



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Authentic High-Fidelity Amplification for Movies, Music, Games, and More

Onkyo's Wide Range Amplifier Technology (WRAT) is designed for high current delivery. High instantaneous current is needed to maintain control of the speaker drivers for precise yet musical audio reproduction, from delicate piano passages to the thunderous roar of an action movie soundtrack. Backed by a massive high-output transformer, the amplifiers feature a discrete low-impedance output stage (not a cheap integrated circuit) with high-current transistors for instantaneous power and very low distortion. The resulting sound is detailed, dynamic, and highly realistic for both stereo and multichannel listening.

Future-Ready with the Latest HDMI®

Imagine displaying the latest blockbuster PC games on your Ultra HDTV at a breathtaking 60 frames per second. Now add powerful 5.1-channel surround-sound from Onkyo. With every HDMI terminal on your TX-SR333 receiver supporting 4K/60 Hz, all this and more is possible. Even if you're not planning on upgrading your current display right away, it's good to know your Onkyo receiver is ready for the future.

Inbuilt Bluetooth with Music Optimizer

Stream almost any audio you like from your smartphone, tablet, or PC to your home cinema for clear and powerful hi-fi playback. Everything from albums on YouTube to your device's MP3 library is smoothly transmitted via Bluetooth 2.1 + EDR, with an Advanced Music Optimizer function compensating for lower-quality compressed audio.

High-Resolution Audio Processing

There's nothing quite like plunging into a high-resolution studio-master 5.1-channel movie soundtrack. Your TX-SR333 can decode and play Dolby® TrueHD and DTS-HD Master Audio™ formats via HDMI for a thrilling surround-sound experience. A 32-bit DSP chip and high-quality 192 kHz/24-bit TI Burr-Brown DAC smoothly and efficiently decode all the lossless and high-resolution formats common to DVD and Blu-ray.

Advanced Music Optimizer Enhances Compressed Digital Audio

While MP3 files may sound fine on a portable stereo, the limitations of these files can be exposed when played through a quality home entertainment system. This is because high-frequency bit information is lost during the compression process. Advanced Music Optimizer is a Digital Signal Processing (DSP) mode that compensates for lost bit information and improves the quality of compressed audio signals for clearer, more expansive sound. The technology also includes a handy loudness correction feature.

Play Lossless and Hi-Res Music via USB

If you prefer a wired connection, the rear-panel USB port is ready to accept a range of audio formats from mass-storage class disks. As well as MP3, AAC, and WMA, you can play FLAC and WAV up to 192 kHz/24-bit resolution as well as WMA Lossless, Apple Lossless, and 5.6 MHz DSD. Alternatively, you can connect your PC, smartphone, tablet, or media player via the digital or analog audio inputs.

Preview Your HD Video Sources

Video switching is easy with InstaPrevue™ technology. Select InstaPrevue via the Home Menu and video thumbnails showing what's playing on devices connected via HDMI are overlaid on screen. As well as being a fast and intuitive way to switch sources, it's also great for keeping an eye on the cable sports channel while you're playing a console game, for example.

Easy Operation for Everyone in Your Family

The TX-SR333 is very simple and intuitive to use. The Home menu is mainly for detailed adjustment and setup (such as configuring your AV receiver remote to control other components in your system, or to assign specific listening modes to different inputs). But if you want to quickly boost the center level, switch DSP modes, or change sources, the "Q" button overlays a text menu on screen and lets you get the job done in seconds, without interrupting the program. Buttons on the front panel and a bright LCD allow you to select audio sources and listening modes without having to turn on your television.

Phase-Matching Bass Enhancement

PM Bass optimizes low frequencies while preserving mid-range clarity. It counters phase shifting (which generally occurs in the all-important mid-range zone occupied by vocals) by synchronizing the timing of different frequencies. The result is deep, well-defined bass that won't blur vocals or strings.

More Realistic Action with Four Gaming Modes

Select from four surround-sound modes optimized to match different content for a more realistic gaming experience. Rock, Sports, Action, and RPG game modes bring out the best in any soundtrack, from subtle ambient effects to thundering explosions.

Zone 2 Line-Out for Multi-Room Audio

The Zone 2 line-level output lets you enjoy music from the source devices connected to your A/V receiver via the analog audio inputs in another area of your home. If you have a power amp and a pair of speakers lying around, you could set them up in your kitchen, garage, or even out on the deck and listen to CDs and radio playing via your A/V receiver.

SPECIFICATIONS

Amplifier Section

Power Output	
Front L/R	100 W/Ch (6 Ω, 1 kHz, 1% THD, 1 Channel Driven, IEC) 120 W/Ch (6 Ω, 1 kHz, 1 Channel Driven, JEITA)
Center	100 W (6 Ω, 1 kHz, 1% THD, 1 Channel Driven, IEC) 120 W (6 Ω, 1 kHz, 1 Channel Driven, JEITA)
Surround L/R	100 W/Ch (6 Ω, 1 kHz, 1% THD, 1 Channel Driven, IEC) 120 W/Ch (6 Ω, 1 kHz, 1 Channel Driven, JEITA)
Dynamic Power	
	160 W (3 Ω, Front) 125 W (4 Ω, Front) 85 W (8 Ω, Front)

THD+N (Total Harmonic Distortion + Noise) 0.7% (20 Hz–20 kHz, Half Power)

Damping Factor 60 (Front, 1 kHz, 8 Ω)

Input Sensitivity and Impedance 200 mV/47 kΩ (Line)

Rated RCA Output Level and Impedance 100 mV/2.2 kΩ (Line Out)

Maximum RCA Output Level and Impedance 1.0V/2.2 kΩ (Line Out)

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 100 dB (Line, IHF-A)

Speaker Impedance 6 Ω–16 Ω

Video Section

Input Sensitivity/Output Level and Impedance

Video 1.0Vp-p/75 Ω (Component Y) 0.7Vp-p/75 Ω (Component Pb/Cb, Pr/Cr) 1.0Vp-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 230V~, 50 Hz (Asian Model: AC 220–240V~, 50/60 Hz)

Power Consumption 330 W (Asian Model: 360 W)

No-Sound Power Consumption 55 W

Standby Power Consumption 0.3 W

Dimensions (W x H x D) 435 x 150 x 321 mm

Weight 8.1 kg

CARTON

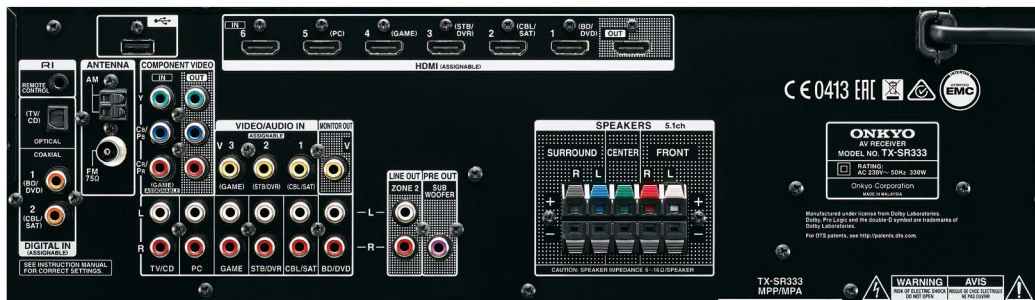
Dimensions (W x H x D) 537 x 268 x 416 mm

Weight 10.5 kg

Supplied Accessories

- Indoor FM antenna • Antenna isolator • AM loop antenna
- Color labels for speaker cable • Instruction manual
- Remote controller • AA (R6) batteries* x 2

*Included with Chinese model only.
**Not included with Chinese model.



Text on receiver may vary with region.

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