ONKYO
IMAGINATIVE SIGHT & SOUND

Processing Today's High-Resolution Media-Including Blu-ray Disc and HD DVD-with Effortless Efficiency

Meet the first of Onkyo's new A/V receivers built to embrace high-definition media such as Blu-ray Disc and HD DVD. The TX-SR605 7.1-channel A/V receiver embodies this new generation, with its remarkable processing capabilities courtesy of HDMI (High Definition Multimedia Interface). With the ability to keep everything in the digital domain, the TX-SR605 provides complete control of every video and audio format available today. Bringing high-definition A/V processing to Onkyo's renowned approach to sound gives this A/V receiver a distinct advantage in the home. Delivering the latest in usability and versatility-such as multi-room playback, a full connectivity suite (with switching and upconversion), room calibration and integrated system control the TX-SR605 is poised to set new benchmarks in performance-driven home theater.

Processing 1080p Video and Multichannel Audio via High-Definition Multimedia Interface (HDMI v. 1.3a)

With the latest HDMI version and advanced A/V processing capabilities, the TX-SR605 is a powerful control center for highdefinition media, particularly Blu-ray Disc and HD DVD. With two HDMI inputs, you can receive and switch compatible sources for a pure digital connection to an HDTV. Also, all multichannel audio-including high-resolution formats such as DTS, Dolby Digital and DVD Audio can be digitally transported via HDMI for processing by the TX-SR605. HDMI version 1.3a gives you greater bandwidth to deal with higher resolutions, 36-bit Deep Color(tm) and high frame rates.

Onboard DTS-HD Master Audio and Dolby TrueHD Codecs for Next-Generation Audio

The TX-SR605 handles the leading audio codecs for the new multichannel formats for Blu-ray Disc and HD DVD-Dolby TrueHD and DTS-HD Master Audio. Both technologies enable a lossless, bit-forbit reproduction that is identical to that of the studio master. In other words, the same audio quality as in the studio engineer's final mix. All high-resolution channels can be received from compatible Blu-ray Disc, PlayStation 3, HD DVD and Xbox 360 components.

HDMI and Component Video Upconversion for a Single Output to High-Resolution Displays
The TX-SR605's HDMI inputs can receive pristine digital video from HDMI-enabled components for a single-cable output to a display device with an HDMI or DVI connection. It can also upconvert analog signals to HDMI so that all connected video sources can be output via one cable. And if your display doesn't have HDMI capability, you can use the HD-quality component video connections, which will also cover your S-Video and composite video sources.To support progressive scan, the TX-SR605 features a deinterlacing chip with Faroudja DCDi Edge (Directional Correlational Deinterlacing).This technology helps to effectively eliminate video artifacts from HDTV images.

Audyssey 2EQ™ to Counteract Room Acoustic Problems and Calibrate Speakers Audyssey 2EQ™ counters distortion created by walls, furniture and other objects.This technology detects speakers, sets levels, delays and crossovers, and measures room acoustics. Compared to one-position room-correction systems, Audyssey 2EQ™ covers both frequency response and time domain (where most of the problems lie) across the entire listening area.The results are immediately obvious-a clear, wellbalanced and natural sound.

Bi-Amping Capability for High-Impact Movies and Music
The TX-SR605'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 (with two sets of input terminals). In effect, you will be using two separate channels to drive the speakers' woofer and tweeter.This improves sound quality by maximizing power to the low-/mid- and high-range frequencies, respectively. It also gives you a more powerful, dynamic soundfield for two-channel music and movie sound effects.

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 highdefinition 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.

Playback of Different A/V Sources in Two Different Zones
With Powered 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.

Fully Compatible with the iPod Family via the Onkyo RI Docks
The ubiquitous iPod has revolutionized how we listen to and store our music and video. With Onkyo's RI Docks (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.

ADVANCED FEATURES

- DTS-HD Master Audio and Dolby TrueHD Decoding
- HDMI (v. 1.3a) Audio and Video Processing
- HDTV-Capable HDMI (2 Inputs and 1 Output) and Component Video (50 MHz) Switching (3 Inputs and 1 Output)
- HDMI and Component Video Upconversion
- Bi-Amping Capability for Enhanced Musicality and Power
- Audyssey 2EQ™ to Correct Room Acoustic Problems and to Calibrate Speakers
- Onkyo RIHD for System Control
- Compatible with RI (Remote Interactive) Dock for the iPod

AUDIO FEATURES

- 140 W/Ch Minimum into 6 Ω, 1 kHz, IEC (1 Channel Driven)
- 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
- WRAT (Wide Range Amplifier Technology)
- Advanced 32-Bit Processing DSP Chip
- 5 Digital Inputs (3 Optical/2 Coaxial)
- Subwoofer Pre Out
- CinemaFILTER™
- A-Form Listening Mode Memory
- Optimum Gain Volume Circuitry
- Non-Scaling Configuration
- Tone Control (Bass/Treble) for Front L/R Channels
- Color-Coded 7.1-Multichannel Inputs
- Independent Crossover Adjustment for F/C/S/SB (40/50/60/80/100/120/150/200 Hz)
- Double Bass Function

VIDEO FEATURES

- 5 S-Video Inputs and 2 Outputs
- 5 Composite Video Inputs and 2 Outputs
- Front Panel Auxiliary Input (for Camcorders, Game Consoles, etc.)

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OTHER FEATURES

Powered Zone 2 and Zone 2 Line-Out for Playback in Another Room (Separate Source)
Deinterlacer with Faroudja DCDi Edge™ (Directional Correlational Deinterlacing) Technology
Pure Audio Mode
Color-Coded Dual Banana Plug-Compatible Speaker Posts
A/V Synchronization Function (Up to 100 ms in 10 ms Steps)
40 FM/AM Radio Presets
RDS (PS/RT/TY/TP)
5 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
Preprogrammed RI (Remote Interactive) Remote Control with Mode-Key LEDs

SPECIFICATIONS

Amplifier Section

Power Output Front L/R 140 W + 140 W (6 Ω, 1 kHz, 1 Kanal, IEC) Center 140 W (6 Ω, 1 kHz, 1 Kanal, IEC) Surround L/R 140 W + 140 W (6 Ω, 1 kHz, 1 Kanal, IEC) Surround Back L/R 140 W + 140 W (6 Ω, 1 kHz, 1 Kanal, IEC) 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%
(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 (-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 630 W Standby Power Consumption 0.2 W
Dimensions (W x H x D) 435 x 174 x 377 mm Weight 11.5 kg

CARTON

Dimensions (W x H x D) 570 x 297 x 469 mm Weight 14.4 kg