

# TX-SR574

7.1-CHANNEL HOME THEATRE RECEIVER

**ONKYO**  
IMAGINATIVE SIGHT & SOUND



Available in Silver or Black



Remote Control

## Adding More Options to the Home Theatre Experience

The design philosophy behind the TX-SR574 makes good sense. Provide on-demand power for all channels; add powerful processing capabilities and dependable build quality; and stack it with versatility and options. The TX-SR574 takes today's most sought after home entertainment components—like DVD recorders, cable/set-top boxes and gaming consoles—and conveniently switches between them with a single component output to HDTV. It will also upconvert any other components connected by S-Video and composite connections. And when it comes to music and movie sources, the TX-SR574 accommodates the most contemporary formats available, even the yet-to-be-released surround formats for HD-DVD and Blu-ray Disc. And if you want to broaden your choices even further, the TX-SR574 provides access to the iPod with the appropriate set-up and peripherals. Such competitively priced completeness is bound to attract attention.

### Wide Range Amplifier Technology (WRAT)

WRAT is the backbone of the TX-SR574's amplifier design and is centered on three core elements:

- 1) A low-negative-feedback design that ensures a fuller sound at higher frequencies;
- 2) Closed ground-loop circuits that mitigate individual circuit noise and keep the ground potential free of distortion;
- 3) A high-instantaneous current capability that effectively handles reflex energy from the speakers and impedance fluctuations to offer dynamics similar to those experienced in a movie theatre.

WRAT ensures the audio performance necessary for a range of video content with surround sound, as well as providing a solid platform for reproducing music sources like DVD-Audio, Super Audio CD, PCM CDs, and digital files like MP3s.

### Component Video Upconversion with TBC (Time Base Corrector)

All playback components connected to the TX-SR574 can be upconverted to component video for one convenient connection to the latest displays. During upconversion, each signal incorporates a synchronization pulse (synch) that represents the beginning of each video signal. These synchs need to be highly precise in amplitude and timing to eliminate clock jitter, which can substantially degrade the images on high-definition displays. By incorporating a time base corrector in the upconversion process, inconsistencies in the signal timing can be corrected thereby ensuring the highest picture quality possible.

### Component Video Switching (50 MHz) with HDTV Connectivity

With three component video inputs, you can have up to three of today's latest A/V components—think DVD/universal players, cable/set-top boxes, DVRs and the latest gaming consoles like the Xbox®—connected simultaneously for output to the latest high-definition displays. With a frequency range out to 50 MHz, you have more than enough bandwidth to pass a progressive scan DVD signal (at least 12 MHz needed) and a 720p signal (at least 37 MHz needed) to high-definition displays with no video signal deterioration. Also, the convenience and simplicity of one component video output for all sources fit well with the TX-SR574's focus on ease-of-setup.

### Incorporating the Most Advanced Surround Formats Available

The TX-SR574 has the onboard codecs—Dolby Digital EX, Dolby Pro Logic IIx, DTS-ES, DTS 96/24 and DTS Neo:6—to effectively reproduce stereo and multichannel sources in enveloping 6.1 or 7.1 surround sound. And with the upcoming release of HD-DVD and Blu-ray Disc, Dolby Digital and DTS have prepared audio formats that represent the future of digital audio entertainment. By connecting an HD-DVD or Blu-ray Disc player with the respective high-definition audio codecs to the TX-SR574 via its 7.1-multichannel inputs, you will be able to enjoy superior audio quality with a bit-rate of up to 1.5 Mbps\*, almost twice that of existing codecs. The new codecs are back-compatible with existing codecs.

\*Confirmed for DTS-HD

### Extended Crossover Adjustment

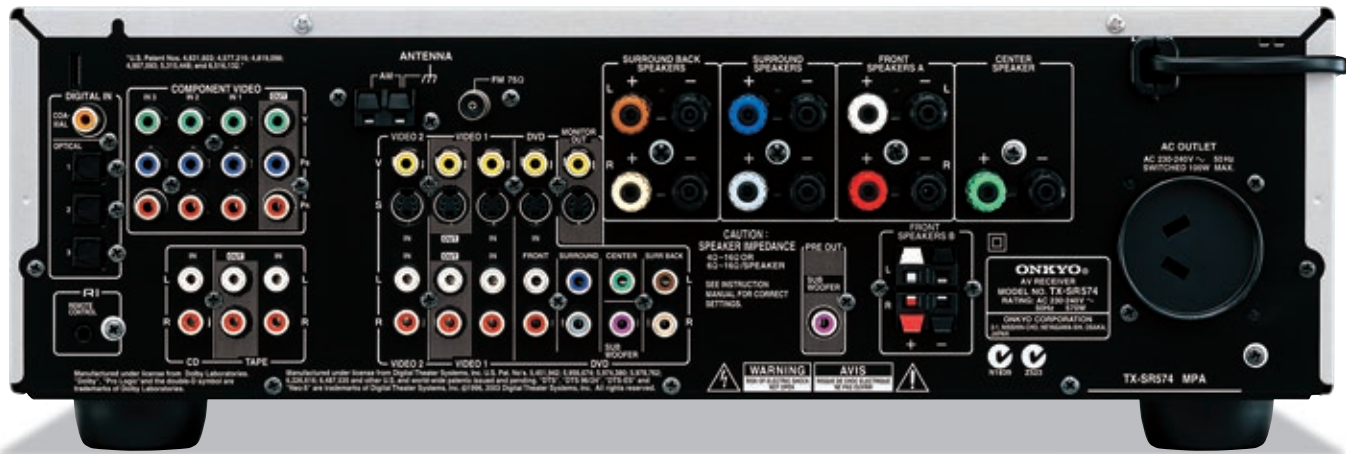
Crossover control determines the frequency at which the subwoofer takes over bass-reproducing responsibilities from the main speakers. If the crossover is too low, there'll be a dip in the mid-bass response. If it's too high, there'll be frequency duplication (resulting in a muddy bass sound). Your room's acoustical environment can also influence the crossover setting. The TX-SR574 lets you choose from a wide range of frequencies—40/50/60/80/100/120/150/200 Hz—which enables you to accurately set the correct crossover for different speaker packages. You'll also be able to better mix and match different speaker brands.

### RI System Integration and iPod Connectivity

Onkyo's proprietary RI system enables you to integrate different Onkyo components for control through one remote console. It is also the port by which you can make the iPod part of your system with the RI-Dock for the iPod (DS-A1). The DS-A1, as noted by What HiFi? (UK Awards 2005 edition), offers a "heftier and more detailed sound" than by simply connecting via a cable. The dock will also give you the chance to playback your digital photos through your home theatre; the ability to recharge your iPod; and the opportunity to transfer files from iTunes directly to your home theatre system.

# TX-SR574

7.1-CHANNEL HOME THEATRE RECEIVER



## Amplifier Features

- 80 watts per channel minimum into 8 ohms, 20 Hz-20 kHz, FTC (2 channels driven); 100 watts per channel minimum into 6 ohms, 1 kHz, FTC (2 channels driven); 160 watts per channel minimum into 6 ohms, 1 kHz, JEITA (1 channel driven)
- Wide Range Amplifier Technology (WRAT)
- Extended frequency response (5 Hz-100 kHz)
- Optimum Gain Volume Circuitry
- H.C.P.S.—high current power supply
- Discrete power amplifier circuitry for all channels
- High-current, low-impedance drive
- Aluminum heatsink
- Auto-protection circuitry

## Audio/Video Processing and Connectivity Features

- DTS, DTS 96/24, DTS-ES Discrete/Matrix, DTS Neo:6 decoding
- Dolby Digital, Dolby Digital EX, Dolby Pro Logic IIx decoding
- 192 kHz/24-bit DACs for all channels
- Advanced 32-bit processing DSP chip
- Digital upsampling
- Non-scaling configuration
- Component video upconversion with Time Base Corrector (TBC)

- HDTV-capable (50 MHz) component video switching (3 inputs/1 output)
- 4 digital inputs (3 optical/1 coaxial)
- 3 S-Video inputs and 2 outputs
- 4 composite video inputs and 2 outputs
- 2 audio inputs and 1 output
- Color-coded 7.1-multichannel inputs (Ready for new DTS and Dolby Digital formats for high-definition discs)
- A-form listening mode memory
- CinemaFILTER
- Double Bass function
- Tone control (bass/treble) for front L/R channels
- Late night mode (high/low/off)
- Pure audio mode
- Direct mode
- A/B speaker drive
- Subwoofer pre out
- Color-coded dual banana plug-compatible speaker posts (except speaker B)

## FM/AM Tuner and Other Performance Features

- 40 FM/AM random presets
- Auto/manual tuning modes
- 3-Mode display dimmer (bright/normal/low)
- Headphone jack (standard)
- Audio mute (via remote)

- Sleep timer (via remote)
- Battery-free memory backup
- Heavy-duty power cord
- Large, non-resonant feet
- Heavy-gauge, anti-resonant, reinforced steel chassis
- Vibration-resistant cover
- Aluminum front panel
- "Easy-set" speaker configuration
- Crossover adjustment (40/50/60/80/100/120/150/200 Hz) for bass management
- Compatible with RI (Remote Interactive) Dock for the iPod
- A/V synchronization function (set at 0/20/40/60/80/100 ms)
- Preprogrammed RI (Remote Interactive) remote control with mode-key LEDs



Black model

## SPECIFICATIONS

### AMPLIFIER SECTION

#### Power Output

|                   |   |
|-------------------|---|
| Front L/R         | 80 W + 80 W (8 $\Omega$ , 20 Hz-20 kHz, 2 channels driven, FTC) |
|                   | 100 W + 100 W (6 $\Omega$ , 1 kHz, 2 channels driven, FTC)      |
|                   | 160 W (8 $\Omega$ , 20 Hz-20 kHz, 1 channel driven, JEITA)      |
| Center            | 80 W (8 $\Omega$ , 20 Hz-20 kHz, 2 channels driven, FTC)        |
|                   | 100 W (6 $\Omega$ , 1 kHz, 1 channel driven, JEITA)             |
| Surround L/R      | 80 W + 80 W (8 $\Omega$ , 20 Hz-20 kHz, 2 channels driven, FTC) |
|                   | 100 W + 100 W (6 $\Omega$ , 1 kHz, 2 channels driven, FTC)      |
|                   | 160 W + 160 W (6 $\Omega$ , 1 kHz, 1 channel driven, JEITA)     |
| Surround Back L/R | 80 W + 80 W (8 $\Omega$ , 20 Hz-20 kHz, 2 channels driven, FTC) |
|                   | 100 W + 100 W (6 $\Omega$ , 1 kHz, 2 channels driven, FTC)      |
|                   | 160 W + 160 W (6 $\Omega$ , 1 kHz, 1 channel driven, JEITA)     |

|               |                                    |
|---------------|------------------------------------|
| Dynamic Power | 180 W + 180 W (3 $\Omega$ , Front) |
|               | 140 W + 140 W (4 $\Omega$ , Front) |
|               | 95 W + 95 W (8 $\Omega$ , Front)   |

THD (Total Harmonic Distortion) ..... 0.08 % (Rated Power)

Damping Factor ..... 60 (Front, 1 kHz, 8  $\Omega$ )

#### Input Sensitivity and Impedance

Line ..... 200 mV/47 k $\Omega$  (CD, Tape, etc.)

#### Output Level and Impedance

Rec out ..... 200 mV/470  $\Omega$  (Tape, Video 1)

Frequency Response ..... 5 Hz-100 kHz/+1 dB, -3 dB (Direct mode)

Tone Control .....  $\pm$  10 dB, 80 Hz (BASS)

$\pm$  10 dB, 20 kHz (TREBLE)

Signal-to-Noise Ratio ..... 100 dB (Line in, IHF-A)

Speaker Impedance ..... 4  $\Omega$ /6  $\Omega$ -16  $\Omega$

### VIDEO SECTION

#### Input Sensitivity/Output Level and Impedance

Video ..... 1.0 Vp-p/75  $\Omega$  (Component and S-Video Y)

0.7 Vp-p/75  $\Omega$  (Component Pa/Cs, Pr/Cr)

0.28 Vp-p/75  $\Omega$  (S-Video C)

1 Vp-p/75  $\Omega$  (Composite)

Component Video Frequency Response ... 5 Hz-50 MHz

### TUNER SECTION

#### (FM)

Tuning Frequency Range ..... 87.5 MHz-108.0 MHz

#### Usable Sensitivity

Stereo ..... 22.2 dBf, 2  $\mu$ V (75  $\Omega$ , IHF)

Mono ..... 15.2 dBf, 1  $\mu$ V (75  $\Omega$ , IHF)

#### Signal-to-Noise Ratio

Stereo ..... 67 dB (IHF-A)

Mono ..... 73 dB (IHF-A)

#### Total Harmonic Distortion

Stereo ..... 0.5 %, 1 kHz

Mono ..... 0.3 %, 1 kHz

Stereo Separation ..... 40 dB at 1 kHz

#### (AM)

Tuning Frequency Range ..... 522 kHz-1,611 kHz/530 kHz-1,710 kHz

Usable Sensitivity ..... 300  $\mu$ V/m

Signal-to-Noise Ratio ..... 40 dB

Total Harmonic Distortion ..... 0.7 %

### GENERAL

Power Supply ..... AC 230-240 V, 50 Hz

Power Consumption ..... 570 W

Standby Power Consumption ..... 0.8 W

Dimensions (W x H x D) ..... 435 x 151 x 377 mm

Weight ..... 10.3 kg

Due to a policy of continuous product improvement, Onkyo reserves the right to change specifications and appearance without notice. Dolby, Pro Logic, Surround EX and the double-D symbol are trademarks of Dolby Laboratories. DTS, DTS-ES Extended Surround, DTS 96/24 and Neo:6 are trademarks of Digital Theater Systems, Inc. iPod is a trademark of Apple Computer, Inc., registered in the U.S. and other countries. "CinemaFILTER" is a trademark of Onkyo Corporation. All other trademarks and registered trademarks are the property of their respective holders.

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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: Sole Distributor, Amber Technology Ltd, Unit 8, 5 Skyline Place, Frenchs Forest, NSW 2086, Sydney, AUSTRALIA

Tel: +61-2-9452-8600 Fax: +61-2-9975-1388 <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>