

# PR-SC5507 9.2-Channel AV Network Controller

BLACK



Microphone for Audyssey

The less-used controls are neatly tucked away behind a drop-down panel.



## A Multi-Talented Pre-Pro with Networking and Multi-Zone Capabilities

The PR-SC5507 is designed specifically for the serious home theater enthusiast seeking a sophisticated pre-pro to partner a high-end power amp. You get the very best in video processing, with HQV Reon-VX and 1080p upscaling of all video sources via HDMI™ 1.3a, plus ISF calibration for fine-tuning of video parameters. Along with the latest high-def audio formats from DTS and Dolby, the PR-SC5507 handles Dolby® Pro Logic® IIz and Audyssey DSX™—two expansive surround formats that make use of extra vertical or wide channels in a 9.2-channel configuration. Alternatively, these extra surround channels can be used for playback of different sources in multiple zones in your home. As with Onkyo's latest high-end receivers, the PR-SC5507 offers home networking capability that lets you stream internet radio or PC-based audio through your main system. Ultra-low-jitter PLL circuitry, gold-plated terminals, and XLR inputs and pre outs are testament to the unit's audiophile build quality.

### Advanced Video Processing and 1080p Upscaling with HQV Reon-VX

HQV Reon-VX is the most sophisticated video-processing chip available for home theater. It provides the ultimate support for 1080p scaling; for filtering of jaggies and artifacts; and for the reduction of random, "mosquito", and block (codec) noise. HQV Reon-VX also enables color region enhancement and the rendering of more than one billion colors.

### PC Audio and Internet Radio via Network Function with DLNA 1.5 and Windows 7 Compatibility

Linking directly to the internet or to your home PC via a local network, the PR-SC5507 takes streaming audio and internet radio to a whole new level. MP3, WMA, WMA Lossless, FLAC, WAV, Ogg Vorbis, AAC, and LPCM audio files—whether from your PC or from the internet—can now be played back through your main system with unprecedented power and fidelity. The PR-SC5507 brings to life a wide array of internet radio sources through the vTuner application. As well as being compatible with earlier platforms, the receiver is compatible with Microsoft's new Windows 7 platform, which includes the DLNA 1.5-specified "Play To" media-streaming feature. Another benefit of having the PR-SC5507 connected to the internet is that you can then easily update its firmware.

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

Incorporating HDMI version 1.3a and advanced processing capabilities, the PR-SC5507 works as a powerful A/V control center. Seven rear-side

HDMI inputs, along with a convenient front-side one, enable connection of up to eight components, including Blu-ray Disc players, gaming consoles, and set-top boxes. The system can then receive and switch high-definition video signals and send a pristine digital signal to two different output locations—for example, to two separate high-definition displays. On the audio front, lossless Dolby® TrueHD and DTS-HD Master Audio™ provide a bit-for-bit multichannel soundtrack identical to the studio master track.

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

### Audyssey DSX™ and Dolby® Pro Logic® IIz Add New Dimensions to Surround Sound

The 9.2-channel PR-SC5507 handles two new surround-sound technologies from Audyssey and Dolby that offer exciting new ways to set up the speakers in your home theater system. Audyssey DSX lets you augment a standard 7.1-channel surround set-up with two "front wide" channels. Extra speakers, positioned 60° off center, expand the width of the soundstage and help to produce a more realistic and immersive listening experience. Alternatively, Audyssey DSX can be configured to deliver "front height" channels. These channels carry ambient, non-directional audio that adds a new vertical dimension to your movies and games. Dolby Pro Logic IIz provides a similar front-height speaker option that likewise works to create a more enveloping home theater experience. With Dolby Pro Logic IIz, overhead effects in games and movies are more convincingly located than ever before.



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## THX® Ultra2 Plus™ Certified with THX Loudness Plus™ Technology

The ultimate benchmark for home audio performance, THX Ultra2 Plus is specified for rooms where the screen-to-seat viewing distance is more than 4 meters and the room volume is 85 cubic meters or greater. To achieve THX Ultra2 Plus certification, the PR-SC5507 had to meet the world's most demanding standards for home theater audio quality and performance, and play at reference volume levels with minimal distortion. THX Loudness Plus is a volume control technology included in THX Ultra2 Plus that compensates for the tonal and spatial shifts that occur when the volume level is lowered. It automatically adjusts the levels of ambient sound and bass frequencies, so you can enjoy the true impact of movies, music, and games no matter what volume setting you use.

## Tailor Multichannel Audio to Your Home with Audyssey and Dolby Technologies

The PR-SC5507 features MultEQ™ XT, Audyssey's most powerful room-correction technology. MultEQ XT gathers frequency and time-domain measurements from up to eight positions in the listening area, to deliver a clear, well-balanced, and natural sound. Two other Audyssey technologies, Dynamic EQ™ and Dynamic Volume™, work to optimize frequency response and dynamic range at all volume levels. In a similar vein, Dolby® Volume performs independent loudness adjustments to different frequencies and channels to produce a listening experience that includes all the dynamics of the original mix. It also offers the option of maintaining playback volume at the same user-chosen level across all input sources.

## ISF (Image Science Foundation) Video Calibration for Accurate Video Reproduction

The PR-SC5507 is equipped with industry-leading ISF (Image Science Foundation) video calibration to dramatically improve your home theater by enabling you to adjust the brightness, hue, contrast, saturation, and gamma levels on all video inputs. Transforming your A/V receiver into a video hub, this function ensures that every video source is independently calibrated for your connected high-definition display. What's more, ISF video calibration has been shown to improve energy savings in displays and projectors by up to 50%.

## VLSC™ (Vector Linear Shaping Circuitry) and Burr-Brown 192 kHz/32-Bit Audio DACs

The PR-SC5507 features Onkyo's proprietary high-end digital-to-analog conversion circuitry—VLSC—to mitigate signal noise. It also employs Burr-Brown 192 kHz/32-bit audio DACs (PCM1795), for all channels and for non-scaling configuration circuitry. These DACs use an advanced Texas Instruments architecture to improve tolerance to clock jitter and achieve an excellent dynamic performance.

## ADVANCED FEATURES

- THX® Ultra2 Plus™ Certified
- DTS-HD Master Audio™, DTS-HD High Resolution Audio™, Dolby® TrueHD, and Dolby® Digital Plus Decoding
- HDMI™ Version 1.3a to Support 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 HQV Reon-VX
- DSD Direct for Super Audio CD

- Audio and 1080p Video Processing via HDMI (1 Front/7 Rear Inputs and 2 Outputs [Main/Sub])
- Burr-Brown 192 kHz/32-Bit DACs (PCM1795 x 6) for All Channels
- Ultra-Low-Jitter PLL (Phase Locked Loop) Circuitry to Improve Audio Quality
- Three TI (Aureus™) 32-Bit DSP Chips (DA830 x 1, DA788 x 2) for Advanced Processing
- VLSC™ (Vector Linear Shaping Circuitry) for All Channels
- ISF (Image Science Foundation) Video Calibration
- Audyssey DSX™ and Dolby® Pro Logic® IIz for New Surround Channels
- Audyssey MultEQ™ XT to Correct Room Acoustic Problems and to Calibrate Speakers
- Audyssey Dynamic Volume™ to Maintain Optimal Listening Level and Dynamic Range
- Audyssey Dynamic EQ™ for Loudness Correction
- Dolby® Volume for Reference-Quality Listening Experience at Any Volume
- Network Capability for Streaming Audio Files (MP3, WMA, WMA Lossless, FLAC, WAV, Ogg Vorbis, AAC, LPCM)
- Internet Radio Connectivity Through vTuner
- Certified with Windows 7 and DLNA Version 1.5
- Bi-Amping Capability
- Zone 2 and Zone 3 for Playback of Separate Sources in Other Rooms
- Zone 2 Monitor Outputs (Component and Composite) and Zone 2/3 Subwoofer Pre Outs
- D-sub (15 pin) Input for PC or Analog RGB
- Universal Port for Single-Cable Connection of Optional Onkyo Dock for the iPod
- 4 DSP Modes for Gaming: Rock, Sports, Action, and RPG (Role Playing Game)
- 2 Independent Subwoofer Pre Outs

## AUDIO & VIDEO FEATURES

- 9.2-Channel Balanced Line-Level XLR Pre Outs (with Front Bi-Amping Capability)
- 2-Channel Balanced XLR Audio Inputs
- Dual IR Inputs with Common Output
- Linear Optimum Gain Volume Circuitry
- Neural-THX® Surround Decoder
- Music Optimizer™ for Compressed Digital Music Files
- Theater-Dimensional Virtual Surround Function
- RIHD (Remote Interactive over HDMI) for System Control
- Direct Mode and Pure Audio Mode
- Tone Control (Bass/Treble) for All Channels
- Front-Side Auxiliary Inputs (for Camcorders, Game Consoles, etc.)
- 2 USB Ports (Front/Rear) for MP3 Audio Devices (Audio Only)
- Component Video Upscaling (Up to 1080i)
- Component Video Switching (3 Inputs and 1 Output)
- 5 Composite Video Inputs and 2 Outputs
- Color-Coded, 9 Multichannel Pre Outs
- 7 Digital Inputs (4 Optical and 3 Coaxial)
- Independent Crossover Adjustment for F/C/S/SB/FH/FW (40/50/60/70/80/90/100/120/150/200 Hz)
- A/V Sync Control Function (Up to 250 ms in 5 ms Steps)
- 40 FM/AM Random Presets

## OTHER FEATURES

- Gold-Plated A/V Inputs and Outputs
- High-Rigidity Flat Chassis (1.6 mm Thick)
- 4 S-Video Inputs and 1 Output
- 5 A/V Inputs and 1 Output
- Monitor Outputs (Component Video, Composite Video, and S-Video)
- 3 Audio Inputs and 1 Output
- Phono Input
- Gold-Plated, Machined Solid Brass, 19 mm-Pitch Audio Inputs (CD and Phono)
- Color-Coded, 7.1-Multichannel Inputs
- 12V Triggers (A, B, and C) with Adjustable Delay
- Onscreen Display (OSD)
- IntelliVolume
- Aluminum Front Panel and Volume Knob
- Firmware Updates via Ethernet and USB
- Bi-Directional Ethernet Port and RS232 Port
- Compatible with RI (Remote Interactive) Dock for the iPod
- Bi-Directional, Preprogrammed, and Customizable RI Remote Control with Backlight, Onscreen Setup, Mode-Key LEDs, and Macro Presets for Four Activities

## SPECIFICATIONS

### AMPLIFIER SECTION

THD (Total Harmonic Distortion)	0.05% (Rated power)
Input Sensitivity and Impedance	200 mV/47 kΩ (Line) 2.5 mV/47 kΩ (Phono MM)
Output Level and Impedance	200 mV/470 Ω (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	110 dB (Line, IHF-A)

### VIDEO SECTION

Input Sensitivity/Output Level and Impedance	Video 1.0 Vp-p/75 Ω (Component and S-Video Y) 0.7 Vp-p/75 Ω (Component Pa/Ca, Pb/Ca) 0.28 Vp-p/75 Ω (S-Video C) 1.0 Vp-p/75 Ω (Composite)
Component Video Frequency Response	5 Hz–100 MHz, -3 dB

### TUNER SECTION

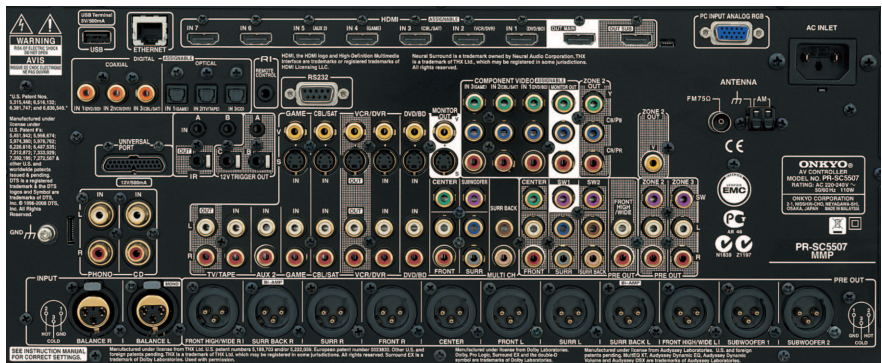
Tuning Frequency Range	FM 87.5 MHz–108 MHz AM 522 kHz–1,611 kHz
FM/AM Preset Memory	40 stations

### GENERAL

Power Supply	AC 220–240 V~, 50/60 Hz
Power Consumption	110 W
Dimensions (W x H x D)	435 x 198.5 x 453.5 mm
Weight	14.0 kg

### CARTON

Dimensions (W x H x D)	594 x 337 x 576 mm
Weight	18.5 kg



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