

PR-SC5508 9.2-Channel Network A/V Controller

BLACK



Microphone for Audyssey

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



Every World-Class Orchestra Needs a Great Conductor

If you've invested in a high-end power amp, speakers, and playback devices, you need a savvy and capable pre-pro to make them all work in harmony. Enter stage left, the PR-SC5508. Onkyo's newest and most advanced pre-pro packs a wide selection of the latest processing features and gives you untold flexibility in connecting and setting up your home entertainment system. Eight of the latest HDMI® 1.4a inputs support the new 3D video format, as well as 1080p upscaling with HQV Reon-VX. Meanwhile, 9.2 pristine audio channels let you enjoy expanded surround formats from Dolby and Audyssey, as well as lossless audio from DTS and Dolby. ISF video calibration and Audyssey MultEQ® XT32 work to custom-fit your video and audio, while a new overlaid on-screen display lets you adjust settings on the fly. Home network capability enables you to incorporate internet radio or PC-based audio into your main system. And noise-reducing XLR inputs and pre outs provide further options for the serious home theater fan. So raise the baton and let the performance begin!

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

The eight HDMI 1.4a inputs on the PR-SC5508 let you simultaneously connect high-def sources such as a Blu-ray player, a gaming console, and a cable/satellite tuner. And the two HDMI outputs let you send a pristine signal at the same time to two different high-resolution displays. 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 coming to market. The PR-SC5508 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 controller, without the need for a separate S/PDIF audio cable.

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-SC5508 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 on your PC or from the internet—can now be played back through your main system with unprecedented power and fidelity. The PR-SC5508 brings to life a huge array of internet radio channels sourced via vTuner®. As well as being

compatible with earlier platforms, the controller is compatible with Microsoft's Windows 7 platform, which includes the DLNA 1.5-specified "Play To" media-streaming feature. Another benefit of having the PR-SC5508 connected to the internet is that you can then easily update its firmware.

*Availability of services depends on region.

THX® Ultra2 Plus™ Certified

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-SC5508 must meet the world's most demanding standards for home theater audio quality and performance, and must play at reference volume levels with minimal distortion.

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.



PR-SC5508 9.2-Channel Network AV Controller

VLSC™ (Vector Linear Shaping Circuitry)

Onkyo's VLSC employs a unique digital-to-analog conversion circuit to mitigate the effects of signal noise. Data is converted between discrete sampling points, which are then joined with analog vectors in real-time to produce a continuous output wave form. The result—a noiseless, smooth analog signal based on the digital source.

Tailor Multichannel Audio to Your Home with Audyssey and Dolby Technologies

The PR-SC5508 is equipped with MultEQ® XT32, Audyssey's most powerful room-correction technology. MultEQ XT32 gathers frequency and time-domain measurements from up to 8 positions in the listening area, to help create 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 at whatever volume you choose. It also offers the option of maintaining playback volume at the same user-chosen level across all input sources.

ISF Video Calibration for Accurate Video Reproduction

The PR-SC5508 is equipped with industry-leading ISF (Imaging 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 controller 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%.

ADVANCED FEATURES

- THX® Ultra2 Plus™ Certified
- 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
- 8 HDMI Inputs (1 Front/7 Rear) and 2 Outputs
- HDMI Video Upscaling to 1080p with HQV Reon-VX
- VLSC™ (Vector Linear Shaping Circuitry) for All Channels
- Burr-Brown 192 kHz/32-Bit DACs (PCM1795 x 6) for All Channels
- Audyssey MultEQ® XT32 for Room Acoustic Correction
- Network Capability for Streaming Audio Files (MP3, WMA, WMA Lossless, FLAC, WAV, Ogg Vorbis, AAC, and LPCM)
- Internet Radio Connectivity Through vTuner®^{#1}
- Zone 2 and Zone 3 Pre Outs for Distributed Audio Playback in Multiple Rooms
- Zone 2 and Zone 3 Subwoofer Pre Outs
- Zone 2 Monitor Outputs (Component and Composite Video)
- 2-Channel Balanced XLR Audio Inputs
- 9.2-Channel Balanced Line-Level XLR Pre Outs (with Front Bi-Amping Capability)
- 2 USB Inputs (Front/Rear) for Memory Devices and iPhone/iPod Models (Enables Display of Album Artwork)^{#2}
- Gold-Plated, Machined Solid Brass, 19 mm-Pitch Audio Inputs (TV/CD and Phono)

*1 Availability of services depends on region. *2 Only front-panel USB input is compatible with iPhone/iPod.

PROCESSING FEATURES

- Three 32-Bit Processing DSP Chips (DA830 x 1, DA788 x 2)
- PLL Jitter-Cleaning Circuit Technology
- DSD Direct for Super Audio CD
- Audyssey DSX™ and Dolby® Pro Logic® IIz for New Surround Channels
- Dolby® TrueHD, DTS-HD Master Audio™, Dolby® Digital Plus, DTS-HD High-Resolution Audio™ Decoding
- DTS Neural Surround™ Decoding
- 4 DSP Modes for Gaming: Rock, Sports, Action, and RPG
- Music Optimizer™ for Compressed Digital Music Files
- Direct Mode and Pure Audio Mode
- Theater-Dimensional Virtual Surround Function
- Linear Optimum Gain Volume Circuitry

CONNECTION FEATURES

- Universal Port for Single-Cable Connection of Optional Onkyo Dock for iPhone/iPod
- Component Video Switching (3 Inputs and 1 Output)
- 4 S-Video Inputs and 1 Output
- Analog RGB Video Input (D-sub, 15 pin) and Audio Input for PC
- 7 Digital Inputs (4 Optical and 3 Coaxial)
- 5 A/V Inputs (1 Front/4 Rear) and 1 Output
- Color-Coded, 7.1 Multichannel Inputs
- Video/S-Video Outputs (Monitor)
- 1 Audio Input and 1 Output
- Color-Coded, 9.2 Multichannel Pre Outs (Including 2 Independent Subwoofer Pre Outs)
- Dual IR Inputs with Common Output
- 12 V Trigger Outs (A, B, and C)
- RS232 Port
- RIHD (Remote Interactive over HDMI) for System Control

OTHER FEATURES

- ISF (Imaging Science Foundation) Video Calibration for Optimal Video Performance
- Certified with Windows® 7 and DLNA Version 1.5
- Firmware Updates via Ethernet and USB
- Audyssey Dynamic EQ® for Loudness Correction
- Audyssey Dynamic Volume® to Maintain Optimal Listening Level and Dynamic Range
- Dolby® Volume for Reference-Quality Listening Experience at Any Volume
- Overlaid Graphical On-Screen Display (OSD) via All Video Outputs
- Crossover Adjustment (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
- Compatible with RI (Remote Interactive) Dock for iPod
- Bi-Directional, Preprogrammed, and Customizable RI Remote Control with Backlight, On-Screen Setup, Mode-Key LEDs, and Macro Presets for Four Activities

SPECIFICATIONS

CONTROLLER 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)
Rated RCA Output Level and Impedance	1 V/470 Ω (Pre out)
Maximum RCA Output Level and Impedance	5.5 V/470 Ω (Pre 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	110 dB (Line, IHF-A) 80 dB (Phono, 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, Pr/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/0 dB, -3 dB

TUNER SECTION

Tuning Frequency Range	FM 87.5 MHz–108 MHz 87.5 MHz–107.9 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 AC 120 V~, 60 Hz
Power Consumption	110 W
Dimensions (W x H x D)	435 x 198.5 x 453.5 mm
Weight	14.0 kg

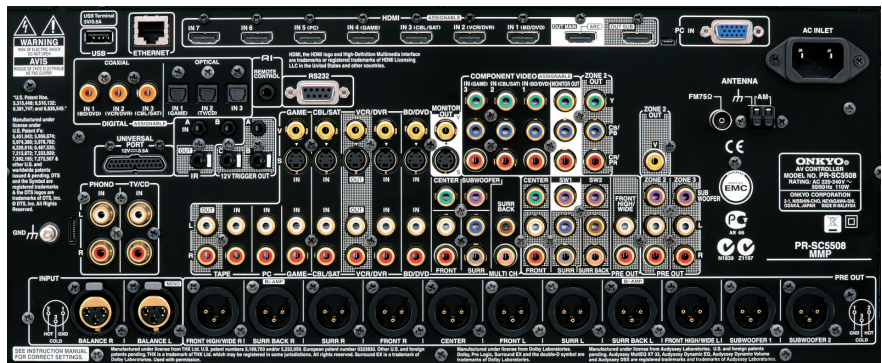
CARTON

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

Supplied Accessories

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

*Not included with Chinese model.



Due to a policy of continuous product improvement, Onkyo reserves the right to change specifications and appearance without notice. THX and the THX logo are trademarks of THX Ltd., which are registered in some jurisdictions. All rights reserved. Manufactured under license from Dolby Laboratories. Dolby Pro Logic, and the double-D symbol are trademarks of Dolby Laboratories. DTS is a registered trademark and the DTS logos and Symbol are trademarks of DTS, Inc. Manufactured under license from Audyssey Laboratories. U.S. and foreign patents pending. Audyssey MultEQ XT32, Audyssey Dynamic EQ, and Audyssey Dynamic Volume are registered trademarks and Audyssey DSX is a trademark of Audyssey Laboratories. HDMI, the HDMI logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries. iPhone, iPod, iPod classic, iPod nano, iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries. "Made for iPod" and "Made for iPhone" mean that an electronic accessory has been designed to connect specifically to iPod or iPhone, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. x.v.Color is a trademark of Sony Corporation. HDV is a registered trademark of Silicon Optix. Windows 7 and the Windows logo are trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries. VLSC, Music Optimizer, and Theater-Dimensional are trademarks of Onkyo Corporation. All other trademarks and registered trademarks are the property of their respective holders.

ONKYO
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/>
Onkyo China Limited Unit 1 & 12, 9/F, Ever Gain Plaza Tower 1, 88 Container Port Road, Kwai Chung, N.T., Hong Kong, SAR of CHINA Tel: +852-2429-3118 Fax: +852-2428-9039 <http://www.ch.onkyo.com/>
Onkyo U.S.A. Corporation 18 Park Way, Upper Saddle River, N.J. 07458, U.S.A. Tel: +1-201-785-2600/800-229-1687 (Toll free) Fax: +1-201-785-2650 <http://www.onkyousa.com/>
Onkyo Europe Electronics GmbH Liegnitzstrasse 6, 82194 Grobenzell, GERMANY Tel: +49-8142-4401-0 Fax: +49-8142-4401-555 <http://www.eu.onkyo.com/>