

## HT-S9405THX

## 5.1-CHANNEL NETWORK A/V RECEIVER/SPEAKER PACKAGE



## All-Purpose Home Cinema Package with High-Class Speakers

As Onkyo's top packaged system, the THX® I/S Plus™-certified HT-S9405THX boasts a speaker set to savor. All five speakers employ a two-way design with A-OMF cone woofers for superb mid-range clarity. The matching powered subwoofer delivers awesome low-end for even the most demanding music, movies, and games. As well as handling internet radio and PC audio sent over a home network, the system's receiver offers a bevy of handy connections. Four 3D-ready HDMI® inputs take care of high-def content, such as lossless audio from Dolby or DTS, and video upscaled to spectacular 4K resolution via Qdeo™ technology. A front-panel USB input provides a digital link for iPod/iPhone audio. Other inputs let you incorporate PC video, Onkyo peripherals, and countless other playback sources. Audyssey technologies enable you to customize the soundstage, dynamics, and volume, while interactive on-screen menus let you navigate your content with ease. When it comes to all-in-one home entertainment, the HT-S9405THX oozes class from first to last.

## HT-R990

## 7.1-Channel Network A/V Receiver

- 130 W/Ch at 6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC
- THX® I/S Plus™ Certified
- HDMI® Support for 3D, Audio Return Channel, DeepColor™, x.v.Color™, LipSync, Dolby® TrueHD, DTS-HD Master Audio™, DVD-Audio, Super Audio CD, Multichannel PCM, and CEC
- 4 HDMI Inputs and 1 Output
- HDMI Video Upscaling to 4K with Qdeo™ Technology by Marvell
- Direct Digital Connection of iPod/iPhone via Front-Panel USB Port
- Compatible with UWF-1 Wireless LAN Adapter (via USB)
- Dolby® TrueHD, DTS-HD Master Audio™, Dolby® Digital Plus, DTS-HD High-Resolution Audio™ Decoding
- TI Burr-Brown 192 kHz/24-Bit DACs for All Channels
- PLL (Phase Locked Loop) Jitter-Cleaning Circuit Technology for S/PDIF Audio
- Dolby® Pro Logic® IIz for Expanded Surround Channels
- Playback of Audio Files Through Local Network (MP3, WMA, WMA Lossless, FLAC, WAV, Ogg Vorbis, AAC, LPCM)
- Internet Radio and Music Streaming Service Connectivity (vTuner, Last.fm®, Napster®, Spotify®)
- Certified with Windows® 7 and DLNA Version 1.5
- Firmware Updates via Ethernet and USB
- Universal Port for Onkyo Peripheral Devices Such as UP-AI Dock for iPod/iPhone or UP-DTI DAB+ Radio™ Tuner

- Powered Zone2 and Zone 2 Line-Out for Distributed Audio Playback in Another Room
- Audyssey 2EQ® for Room Acoustic Correction
- Audyssey Dynamic EQ® for Loudness Correction
- Audyssey Dynamic Volume® to Maintain Optimal Listening Level and Dynamic Range
- Overlaid On-Screen Display (OSD) via HDMI
- H.C.P.S. (High Current Power Supply) Massive High Power Transformer
- Optimum Gain Volume Circuitry
- Advanced 32-Bit Processing DSP Chip
- 4 DSP Modes for Gaming: Rock, Sports, Action, and RPG
- Advanced Music Optimizer for Compressed Digital Music Files
- Theater-Dimensional Virtual Surround Function
- Direct Mode
- Double Bass Function
- Non-Scaling Configuration
- A-Form Listening Mode Memory
- 2 Component Video Inputs and 1 Output
- 5 Composite Video Inputs (1 Front/4 Rear) and 2 Outputs
- 4 Digital Audio Inputs (2 Optical and 2 Coaxial)
- 6 Analog Audio Inputs (1 Front/5 Rear) and 1 Output
- Analog RGB Video Input (D-sub, 15 pin) for PC
- Subwoofer Pre Out
- Crossover Adjustment (40/50/60/70/80/90/100/120/150/200 Hz)
- A/V Sync Control (Up to 800 ms at 48 kHz)
- 3-Mode Display Dimmer (Normal/Dim/Dimmer)

- RDS (PS/RT/PTY/TP)
- 40 FM/AM Random Presets
- RIHD (Remote Interactive over HDMI) for System Control
- Full-Function RI Remote Control

\* Availability of services depends on region.

## HTP-948

## 5.1-Channel Home Cinema Speaker System

## SKF-980 2-Way Acoustic Suspension Front Speakers

- 12 cm A-OMF Diaphragm Woofer x 2

- 2.5 cm Soft-Dome Tweeter

- Max. Input Power: 130 W

- Magnetically Shielded

## SKC-980 2-Way Acoustic Suspension Center Speaker

- 12 cm A-OMF Diaphragm Woofer x 2

- 2.5 cm Soft-Dome Tweeter

- Max. Input Power: 130 W

- Magnetically Shielded

## SKR-980 2-Way Acoustic Suspension Surround Speakers

- 13 cm A-OMF Diaphragm Woofer

- 2.5 cm Soft-Dome Tweeter

- Max. Input Power: 130 W

- Magnetically Shielded

## SKW-938 Acoustic Suspension Powered Subwoofer

- 30 cm Cone

- Rated Output Power: 125 W (Minimum Continuous Power: 6 Ω, 100 Hz, 1%, IEC)

- Output Level Control



# HT-S9405THX 5.1-CHANNEL NETWORK A/V RECEIVER/SPEAKER PACKAGE

## THX® Integrated System Plus™ Certified and THX Processing for Music, Movies, and Gaming

THX Integrated System (I/S) Plus is a category for home cinema systems that ensures full-blown THX performance and state-of-the-art technologies in an affordable, all-in-one receiver-speaker package. Geared to gamers and budding audiophiles, THX I/S Plus systems are ideal for small home cinemas where the screen-to-seat viewing distance is approximately 2.5 meters. All components within the system—the receiver, speakers, and amplifier—are tested by THX to make sure they work harmoniously together. In addition to THX certification, each system comes with THX® Surround EX™; THX listening modes for music, movies, and games; and THX® Loudness Plus™, a volume-control technology for low-volume listening.

## HDMI® Support for 3D Video and Audio Return Channel

The four HDMI inputs on the HT-S9405THX's A/V receiver let you simultaneously connect high-def sources such as a Blu-ray player, a gaming console, and a cable/satellite tuner. A single output then sends a pristine signal to your connected high-resolution display. The HDMI implementation on this receiver supports both 3D video and an Audio Return Channel, along with numerous high-resolution formats. 3D video brings exciting possibilities to home entertainment, with movie, game, and broadcast content on the increase and 3D-compatible TVs now on the market. Meanwhile, the Audio Return Channel allows audio content received directly by your HDTV's tuner to be sent "upstream" via HDMI to your A/V receiver, without the need for a separate S/PDIF audio cable.

## Network Capability Delivers Internet Radio and Network Audio Streaming via Ethernet

As one of Onkyo's new breed of receivers that can link directly to the internet or to your home PC via a local network, the HT-S9405THX's A/V receiver takes streaming audio and internet radio to a whole new level. MP3, WMA, WMA Lossless, FLAC, WAV, Ogg Vorbis, AAC, and LPCM audio files can now be played back through your main system with unprecedented power and fidelity. The receiver also brings to life a huge array of internet radio channels from Last.fm® and vTuner, plus on-demand music streaming from Napster® and Spotify®. As well as being compatible with earlier platforms, the receiver is compatible with Microsoft's Windows® 7 platform, which includes the DLNA 1.5-specified "Play To" media-streaming feature. The receiver's internet connectivity has the added benefit of making firmware updates simpler than ever.

\*Availability of services depends on region.

## Direct Digital Connection of iPod/iPhone via Front-Panel USB Port

The front-panel USB port on the HT-S9405THX's A/V receiver lets you access MP3, WMA, FLAC, and AAC audio files stored on a USB flash drive or iPod/iPhone. As the audio signals are transported in digital form, rather than

analog, there is much less chance for signal degradation. End result: your music sounds cleaner and more faithful to the original. A further benefit of the USB input is that it lets you use the system's remote controller to play back audio files on the connected device.

## 4K Video Upscaling and Processing via Qdeo™ Technology

The HT-S9405THX offers full 4K (3840 x 2160) upscaling of standard video sources such as 480i/p, 720p, and 1080i/p. Interlaced-to-progressive conversion and scaling are performed by high-quality Qdeo technology from Marvell. Qdeo is a versatile video processor that uses algorithms designed to erase video noise and artifacts such as jaggies and feathering. Played back on a compatible wide-screen display, your Blu-ray Discs and DVDs will look more detailed and cinematic than ever.

## A-OMF (Advanced Onkyo Micro Fiber) Diaphragm

Onkyo's proprietary A-OMF diaphragms incorporate a PEN (polyethylene naphthalate) layer with a flexible cotton weave that helps to make them stronger and more resistant to heat. Speakers using this diaphragm type achieve improved mid-range clarity and imaging, which in turn produces an astonishingly vivid, natural sound.

## SPECIFICATIONS

### A/V RECEIVER

#### Amplifier Section

<b>Power Output</b>	
Front L/R	130 W/Ch (6 Ω, 1 kHz, 1%, 1 channel driven, IEC)
Center	130 W (6 Ω, 1 kHz, 1%, 1 channel driven, IEC)
Surround L/R	130 W/Ch (6 Ω, 1 kHz, 1%, 1 channel driven, IEC)
Surround Back L/R or Front High L/R	130 W/Ch (6 Ω, 1 kHz, 1%, 1 channel driven, IEC)

<b>Dynamic Power</b>	
	180 W (3 Ω Front)
	160 W (4 Ω Front)
	100 W (8 Ω Front)

<b>THD+N (Total Harmonic Distortion + Noise)</b>	
	0.08% (20 Hz–20 kHz, Half power)

<b>Damping Factor</b>	
	60 (Front, 1 kHz, 8 Ω)

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

<b>Rated RCA Output Level and Impedance</b>	
	200 mV/2.2 kΩ (Rec out)

<b>Maximum RCA Output Level and Impedance</b>	
	2.0 V/2.2 kΩ (Rec out)

<b>Frequency Response</b>	
	20 Hz–50 kHz/+1 dB, -3 dB (DSP bypass)

<b>Tone Control</b>	
	±10 dB, 50 Hz (Bass)
	±10 dB, 20 kHz (Treble)

<b>Signal-to-Noise Ratio</b>	
	100 dB (Line, IHF-A)

<b>Speaker Impedance</b>	
	6 Ω–16 Ω

#### Video Section

<b>Input Sensitivity/Output Level and Impedance</b>	
Video	1.0 Vp-p/75 Ω (Component Y)
	0.7 Vp-p/75 Ω (Component Pb/Cb, Pr/Cr)
	1.0 Vp-p/75 Ω (Composite)

<b>Component Video Frequency Response</b>	
	5 Hz–100 MHz/0 dB, -3 dB

#### Tuner Section

<b>Tuning Frequency Range</b>	
FM	87.5 MHz–108 MHz
AM	522 kHz–1,611 kHz 530 kHz–1,710 kHz

<b>FM/AM Preset Memory</b>	
	40 stations

#### General

<b>Power Supply</b>	
	AC 230 V~, 50 Hz
<b>Power Consumption</b>	
	460 W
<b>Dimensions (W x H x D)</b>	
	435 x 173.5 x 328 mm
<b>Weight</b>	
	9.3 kg

#### SPEAKER SYSTEM

<b>Speaker Type</b>	
Front	2-way, Acoustic suspension
Center	2-way, Acoustic suspension
Surround	2-way, Acoustic suspension
Subwoofer	Acoustic suspension, Powered

<b>Drivers</b>	
Front	12 cm A-OMF diaphragm woofer x 2 2.5 cm soft-dome tweeter
Center	12 cm A-OMF diaphragm woofer x 2 2.5 cm soft-dome tweeter
Surround	13 cm A-OMF diaphragm woofer 2.5 cm soft-dome tweeter
Subwoofer	30 cm cone

<b>Frequency Response</b>	
Front	50 Hz–45 kHz
Center	50 Hz–45 kHz
Surround	50 Hz–45 kHz
Subwoofer	20 Hz–100 Hz

<b>Output Sound Pressure Level</b>	
Front	83 dB/W/m
Center	83 dB/W/m
Surround	81 dB/W/m

<b>Max. Input Power</b>	
Front/Center/Surround	130 W

<b>Rated Output Power</b>	
Subwoofer	125 W (Minimum continuous power; 6 Ω, 100 Hz, 1%, IEC)

<b>Nominal Impedance</b>	
Front/Center/Surround	8 Ω

<b>Input Sensitivity/Impedance</b>	
Subwoofer	280 mV/20 kΩ

#### General

<b>Dimensions (W x H x D)</b>	
Front	158 x 433 x 199 mm
Center	433 x 158 x 199 mm
Surround	200 x 275 x 169 mm
Subwoofer	380 x 444 x 429 mm

<b>Weight</b>	
Front	5.3 kg
Center	5.3 kg
Surround	3.5 kg
Subwoofer	15.5 kg

#### CARTON

<b>Dimensions (W x H x D)</b>	
	748 x 1050 x 513 mm
<b>Weight</b>	
	54.0 kg

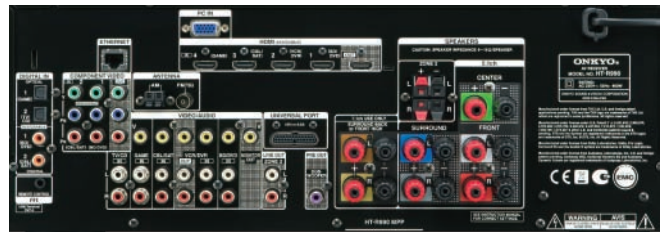
#### Supplied Accessories

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

## HT-R990



Front View



Rear View

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, DTS-HD, and the DTS logo are registered trademarks and the DTS logo is a trademark of DTS, Inc. Manufactured under license from Audyssey Laboratories, Inc. U.S. and foreign patents pending. Audyssey 2EQ, Audyssey Dynamic EQ, and Audyssey Dynamic Volume are registered trademarks of Audyssey Laboratories, Inc. 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 shuffle, and 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. Please note that the use of this accessory with iPod or iPhone may affect wireless performance. xColor is a trademark of Sony Corporation. Windows 7 and the Windows logo are trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries. Qdeo and QuietVideo are trademarks of Marvell or its affiliates. SIRIUS, XM and all related marks and logos are trademarks of SIRIUS XM Radio Inc. and its subsidiaries. HD Radio and the HD Radio logo are trademarks of iBiquity Digital Corp. Music Optimizer, Theater-Dimensional, and A-OMF are trademarks of Onkyo Corporation. All other trademarks and registered trademarks are the property of their respective holders.



Onkyo Sound & Vision Corporation 2-1 Nishin-cho, Neyagawa-shi, Osaka 572-8540, JAPAN <http://www.onkyo.com/>  
 Onkyo Europe Electronics GmbH Liegertstrasse 6, 82194 Grobenzell, GERMANY Tel: 49-8142-4401-0 Fax: 49-8142-4401-555 <http://www.eu.onkyo.com/>  
 Onkyo Europe Electronics GmbH (UK Branch) The Coach House, 81A High Street, Marlow, Buckinghamshire SL7 1AB, UNITED KINGDOM Tel: +44(0)1628-473350 Fax: +44(0)1628-401700  
<http://www.onkyo.co.uk/>