

HT-S5405 5.1-CHANNEL HOME THEATER RECEIVER/SPEAKER PACKAGE



HDMI

DOLBY
TRUEHD

DTS-HD

AUDYSSEY
2EQ
DYNAMIC VOLUMECINEMA
FILTER

192/24

USB

RIHD

Theater-Dimensional

RI

Made for
iPod iPhone

Quality and Affordability in One Convenient Package

With packaged home theater, you want ease-of-use and maximum features for your investment. Onkyo's HT-S5405 adds to the equation a level of A/V quality rarely seen at the entry level. In the age of Blu-ray, HDMI® is the king of connectors. That's why Onkyo equipped the HT-S5405's receiver with four of the latest HDMI inputs to handle both 3D video and pristine audio from high-definition Dolby and DTS codecs. Versatile HDMI also opens the door to an Audio Return Channel from your HDTV's tuner to the receiver, plus on-screen display functionality for on-the-fly adjustment of settings. Meanwhile, a handy front-panel USB input lets you hook up your iPod/iPhone and send a pure digital signal to the receiver. Also on the front panel are analog A/V inputs for easy connection of a camcorder or game console. During set-up, Audyssey 2EQ® adjusts the soundstage to your listening space, to make the most of the 5.1-channel surround-sound speaker set. The package includes a powered subwoofer that delivers greater bass impact without taxing the receiver.

HT-R548

5.1-Channel Home Theater Receiver

- 160 W/Ch at 6 Ω, 1 kHz, 1 Channel Driven, JEITA
- HDMI® Support for 3D, Audio Return Channel, Deep Color™, 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
- Direct Digital Connection of iPod/iPhone via Front-Panel USB Port
- 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
- 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
- EX.Bass for Deeper, More Dynamic Bass
- Advanced Music Optimizer for Compressed Digital Music Files

- Theater-Dimensional Virtual Surround Function
- CinemaFILTER™
- Direct Mode
- Double Bass Function
- Non-Scaling Configuration
- A-Form Listening Mode Memory
- HDTV-Capable (720p/1080i) Component Video Switching (2 Inputs and 1 Output)
- 5 Composite Video Inputs (1 Front/4 Rear) and 2 Outputs
- 3 Digital Audio Inputs (2 Optical and 1 Coaxial)
- 6 Analog Audio Inputs (1 Front/5 Rear) and 1 Output
- Subwoofer Pre Out
- Speaker A/B Terminals
- Color-Coded Speaker Terminals
- Headphone Jack
- Crossover Adjustment (40/50/60/70/80/90/100/120/150/200 Hz)
- A/V Sync Control (Up to 400 ms at 48 kHz)
- Tone Control (Bass/Treble) for Front L/R Channels
- 3-Mode Display Dimmer (Normal/Dim/Dimmer)
- 40 FM/AM Random Presets
- RIHD (Remote Interactive over HDMI) for System Control
- Compatible with RI (Remote Interactive) Dock for iPod/iPhone
- Full-Function RI Remote Control

HTP-548

5.1-Channel Home Theater Speaker System

SKF-548 Full-Range Bass Reflex Front Speakers

- 8 cm Cone
- Max. Input Power: 120 W
- Gloss Finished
- Magnetically Shielded

SKC-548C Full-Range Acoustic Suspension Center Speaker

- 8 cm Cone x 2
- Max. Input Power: 120 W
- Gloss Finished
- Magnetically Shielded

SKR-548 Full-Range Bass Reflex Surround Speakers

- 8 cm Cone
- Max. Input Power: 120 W
- Gloss Finished

Note: All speakers feature an impedance of 6 Ω color-coded speaker terminals and cable, and wall-mounting capability.

SKW-538 Bass Reflex Powered Subwoofer

- 16 cm Cone
- Rated Output Power: 80 W
- Down-Firing
- Gloss Finished
- Output Level Control



HT-S5405 5.1-CHANNEL HOME THEATER RECEIVER/SPEAKER PACKAGE

HDMI® Support for 3D Video and Audio Return Channel

The four HDMI inputs on the HT-S5405'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. 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. This system 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 receiver, without the need for a separate S/PDIF audio cable.

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

The HT-S5405's A/V receiver's front-panel USB port lets you access MP3, WMA, AAC, and FLAC 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.

Decoding of High-Definition Surround-Sound Codes

The HT-S5405's A/V receiver can decode Dolby® TrueHD and DTS-HD Master Audio™—two lossless formats that enable delivery of a bit-for-bit soundtrack identical to the studio master track. These codecs take advantage of the high data capacity of the Blu-ray Disc format.

Convenient Overlaid On-Screen Display via HDMI

Changing your A/V receiver's settings is now more seamless than ever; thanks to Onkyo's overlaid On-Screen Display (OSD) feature. On-screen set-up menus appear overlaid on the video image you're watching. This means you can adjust the settings immediately, without having to switch back and forth from a blank screen background.

A Suite of Audyssey Technologies for the Ideal Listening Environment

The HT-S5405 comes equipped with three sound-enhancing Audyssey technologies.

- (1) **Audyssey 2EQ®** tailors multi-channel audio for your home theater speaker set-up by measuring three room positions and applying a resolution filter to the satellite speakers to correct for room acoustics.
- (2) **Audyssey Dynamic EQ®** maintains a consistent bass response, tonal balance, and surround-sound effect at different volume levels, so you can enjoy the natural dynamics of your content regardless of the volume.
- (3) **Audyssey Dynamic Volume®** automatically compensates for volume fluctuations in different audio content—for example, during commercial breaks—while optimizing the dynamic range.

Active Powered Subwoofer for More Powerful Bass Impact

Low-frequency effects (LFEs) play a vital role in the overall impact of your music, games, and movies. To take full advantage of their deep bass impact, the HT-S5405 employs an active powered subwoofer. This type of subwoofer draws an independent power supply that leaves the A/V receiver free to focus its power on the mid- and high-frequency sounds.

EX.Bass for Deeper, More Dynamic Bass

Onkyo's proprietary EX.Bass function boosts low-frequency output at two separate points: 40 Hz and 80 Hz. At low volumes, EX.Bass creates a deeper, more dynamic bass sound for your music and movies. When the volume is turned up high, the boosted bass automatically returns to normal levels.

Advanced Music Optimizer to Enhance Compressed Digital Music Files

While MP3 or AAC files may sound fine through the headphones of your portable digital player, the limitations of these files can be exposed when played back through a quality home entertainment system. This is because a significant amount of high-frequency bit information is lost during the file-compression process. To counter this, Onkyo has designed the Advanced Music Optimizer to compensate for lost bit information and improve the quality of compressed audio signals. This results in a clearer and more expansive sound. Also included in this technology is a loudness correction feature that further improves the audio character of compressed files.

SPECIFICATIONS

A/V RECEIVER

Amplifier Section

Power Output	Front L/R	160 W/Ch (6 Ω, 1 kHz, 1 channel driven, JEITA)
	Center	160 W (6 Ω, 1 kHz, 1 channel driven, JEITA)
Surround L/R	160 W/Ch	(6 Ω, 1 kHz, 1 channel driven, JEITA)
		(6 Ω, 1 kHz, 1 channel driven, JEITA)
Dynamic Power		160 W (3 Ω, Front)
		125 W (4 Ω, Front)
		85 W (8 Ω, Front)
THD+N (Total Harmonic Distortion + Noise)		
0.08% (20 Hz–20 kHz, Half power)		
Damping Factor		
60 (Front, 1 kHz, 8 Ω)		
Input Sensitivity and Impedance		
200 mV/47 kΩ (Line)		
Rated RCA Output Level and Impedance		
200 mV/2.2 kΩ (Rec out)		
Maximum RCA Output Level and Impedance		
2.0 V/2.2 kΩ (Rec out)		
Frequency Response		
20 Hz–50 kHz/±1 dB, -3 dB (DSP bypass)		
Tone Control		
±10 dB, 50 Hz (Bass)		
±10 dB, 20 kHz (Treble)		
Signal-to-Noise Ratio		
100 dB (Line, IHF-A)		
Speaker Impedance		
6 Ω–16 Ω		

Video Section

Input Sensitivity/Output Level and Impedance	
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)

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

Tuner Section

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

FM/AM Preset Memory	40 stations
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General

Power Supply	AC 220–240 V~, 50/60 Hz
Power Consumption	330 W
Dimensions (W x H x D)	435 x 150 x 328 mm
Weight	7.6 kg

SPEAKER SYSTEM

Speaker Type	
Front	Full-range, Bass reflex
Center	Full-range, Acoustic suspension
Surround	Full-range, Bass reflex
Subwoofer	Bass reflex, Powered

Drivers	
Front	8 cm cone
Center	8 cm cone x 2
Surround	8 cm cone
Subwoofer	16 cm cone

Frequency Response	
Front	80 Hz–20 kHz
Center	80 Hz–20 kHz
Surround	80 Hz–20 kHz
Subwoofer	27 Hz–150 Hz

Output Sound Pressure Level	
Front	82 dB/W/m
Center	84 dB/W/m
Surround	80 dB/W/m

Max. Input Power	
Front/Center/Surround	120 W

Rated Output Power	
Subwoofer	80 W (IEC)

Nominal Impedance	
Front/Center/Surround	6 Ω

Input Sensitivity/Impedance	
Subwoofer	410 mV/20 kΩ

General

Dimensions (W x H x D)	
Front	101 x 161 x 115 mm
Center	230 x 103 x 115 mm
Surround	101 x 161 x 115 mm
Subwoofer	211 x 425 x 391 mm

Weight	
Front	0.8 kg
Center	1.3 kg
Surround	0.7 kg
Subwoofer	8.1 kg

CARTON

Dimensions (W x H x D)	566 x 682 x 480 mm
Weight	24.0 kg

Supplied Accessories

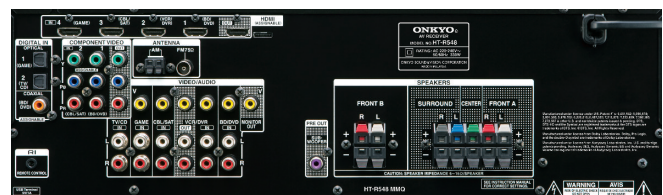
- Indoor FM antenna • AM loop antenna • Color-coded speaker cable
- Subwoofer cable • Speaker set-up microphone • Instruction manual
- Quick set-up guide • Remote controller • AA (R6) batteries* x 2

*Not included with Chinese model.

HT-R548



Front view



Rear view

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Onkyo Sound & Vision Corporation 2-1 Nishin-cho, Nayagawa-shi, Osaka 572-8540, JAPAN Tel: +81-72-831-8136 Fax: +81-72-833-5222 <http://www.onkyo.com/>
Onkyo China Limited Unit 1 & 2, 12, 9/F, Ever Gain Plaza Tower 1, 88, Container Port Road, Kwai Chung, N.T., Hong Kong, CHINA Tel: 852-2429-3118 Fax: 852-2428-9039 <http://www.onkyochina.com/>
Onkyo U.S.A. Corporation 18 Park Way, Upper Saddle River, N.J. 07458, U.S.A. Tel: 1-201-785-2600 or 800-229-1687 (Toll free) Fax: 1-201-785-2650 <http://www.onkyousa.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/>