

HT-S5100

7.1-Channel Home Entertainment Receiver/Speaker Package (with Dock for the iPod)

BLACK



A Virtual Home Theatre Powerhouse for High-Definition Video with Advanced Room Correction and iPod Playback

Looking for a home theatre package with some genuine caliber? Then the HT-S5100 7.1-channel receiver/speaker package deserves your attention. As one of Onkyo's second-generation HDMI-compliant packages, the HT-S5100 gets the best out of high-definition video sources and lets you connect up to three 1080p sources for switching to one display. But a quality home theatre package isn't defined by video alone. The HT-S5100 packs a cache of solid power, backed up by Audyssey room correction technologies, to create the perfect surround-sound environment. This is also Onkyo's first home theatre package to come with a dedicated dock for iPod playback. And fleshing out the receiver is a 7.1 speaker package designed to sound even better than it looks when matched with the latest high-definition displays.

HT-R560 7.1-Channel A/V Surround Home Theatre Receiver

- 130 W/Ch Minimum into 8 Ω , 1 kHz, 1 Channel Driven, IEC; 110 W/Ch Minimum into 8 Ω , 0.9%, 2 Channels Driven, FTC
- DTS®-ES™ Discrete/Matrix, DTS® Neo:6, DTS® 96/24, Dolby® Digital EX™, Dolby® Pro Logic® IIx
- HDMI Pass-Thru (1080p Compatible; 3 Inputs and 1 Output)
- HDMI and Component Video (720p, 1080i; 2 Inputs and 1 Output) Switching
- 4 Digital Inputs (2 Optical, 2 Coaxial)
- 3 S-Video Inputs and 2 Outputs
- 4 Composite Video Inputs and 2 Outputs
- 4 A/V Inputs and 1 Output
- 2 Audio Inputs and 1 Output
- Audyssey 2EQ to Correct Room Acoustic Problems and to Calibrate Speakers
- Audyssey Dynamic EQ for Loudness Correction
- H.C.P.S. (High Current Power Supply) Massive High Power Transformer
- WRAT (Wide Range Amplifier Technology)
- 192 kHz/24-Bit DACs for All Channels
- Advanced 32-Bit Processing DSP Chip
- Subwoofer Pre Out
- CinemaFILTER™
- A-Form Listening Mode Memory
- Optimum Gain Volume Circuitry
- Music Optimizer for Compressed Music Files
- Theater Dimensional Virtual Surround Function

- Double Bass Function
- Color-Coded 7.1-Multichannel Inputs (Receive 7.1 Surround Sound from Compatible Blu-ray Disc Players)
- Speaker A/B Drive
- Banana Plug-Compatible Speaker Posts (Except Speaker B)
- Crossover Adjustment at 40/50/60/80/100/120/150/200 Hz for Bass Management
- A/V Synchronization Function (Up to 100 ms in 20 ms Steps)
- 40 FM/AM Radio Presets
- RDS (PS/RT/PTY/TP)
- RI (Remote Interactive) Terminal
- Front Panel Auxiliary Input (for Camcorders, Game Consoles, etc.)
- Newly Designed Preprogrammed RI (Remote Interactive) Remote Control with Mode-Key LEDs

DS-A1L* Dock for the iPod

- Recharges iPod
- Superior Quality for Digital Music Files
- Control with Onkyo Remote Control

*Audio playback only

HTP-560 7.1-Channel Home Theatre Speaker System

- **SKF-560F** 2-Way Bass Reflex Front Speakers
 - 12 cm OMF Cone Woofer
 - 2.5 cm Balanced Dome Tweeter

- Wood-Crafted Cabinet
- Max. Input Power: 130 W
- Magnetically Shielded

SKC-560C 2-Way Bass Reflex Center Speaker

- 8 cm OMF Cone Woofer x 2
- 2.5 cm Balanced Dome Tweeter
- Slimline Design for Easy Placement with HDTVs
- Max. Input Power: 130 W
- Magnetically Shielded

SKM-560S Full-Range Acoustic-Suspension Surround Speakers

- 8 cm Cone
- Wood-Crafted Cabinet
- Max. Input Power: 130 W

SKB-560 Full-Range Acoustic-Suspension Surround Back Speakers

- 8 cm Cone
- Wood-Crafted Cabinet
- Max. Input Power: 130 W

Note: The front/center speakers are gloss finished on the front. They also feature an impedance of 8 Ω , color-coded speaker terminals, wall-mounting capability and speaker cable.

SKW-560 Bass Reflex Powered Subwoofer

- 25 cm Cone
- Wood-Crafted Cabinet
- Max. Power: 290 W
- Down-firing

HT-S5100

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Connecting up to Three HDMI-Enabled Sources for HDMI Pass-Thru*

With three HDMI inputs and one output, the HT-R560 receiver is perfect for linking multiple HDMI-enabled sources to a high-definition display. With HDMI as the video conduit, the HT-R560 will effortlessly transport and enable the full potential of Blu-ray Disc, standard DVD video, HD broadcasts and gaming. HDMI will deliver 720p, 1080i and 1080p video signals from up to three sources for a single connection direct to your HDTV. Its 1080p pass-thru capability is perfect for enabling the highest possible video resolution.

*A separate audio connection is necessary to process multichannel audio.

Audio Playback from Your iPod with the Included DS-A1L Dock for the iPod

The ubiquitous iPod has revolutionized how we listen to and store our music. The HT-S5100 is the perfect platform for integrating virtually any iPod for audio playback. When connected to the Dock, you can control your iPod with the system's remote control. The Dock also recharges your iPod.

Music Optimizer to Support Compressed Digital Music Files

While MP3 or AAC files may sound fine on a portable digital player, the limitations of these compressed files can be exposed when played back through a home entertainment system. Onkyo has designed onboard Music Optimizer technology to improve the quality of compressed audio signals. Compressed music loses a substantial amount of bit information at higher frequencies, so the Music Optimizer technology works to overcome this limitation and enhance audio quality.

Correcting Room Distortion and Loudness with Audyssey 2EQ™ and Audyssey Dynamic EQ

The HT-S5100 uses Audyssey 2EQ to counter distortion created by walls, furniture, and other objects. This technology detects speaker distance, and then sets levels, delays, and crossovers, while also measuring room acoustics. Compared to one-position room correction systems, Audyssey 2EQ covers a much wider listening area. Moreover, it corrects problems in both frequency response and time domain (where most of the problems lie) across the entire listening area. The results are immediately obvious—a clear, well-balanced and natural sound.

After 2EQ calibration, Audyssey Dynamic EQ solves the problem of deteriorating sound quality at lower volumes. When volume is reduced on a standard home theatre receiver, the bass disappears, voices change, and the surround soundstage becomes less enveloping. As volume is adjusted on the receiver, however, Dynamic EQ selects the best possible frequency response and surround levels moment-by-moment, resulting in an ideal listening experience at any volume level.

SPECIFICATIONS

RECEIVER SECTION

AMPLIFIER SECTION

Power Output	
Front L/R	130 W/Ch (8 Ω, 1 kHz, 1 Channel Driven, IEC); 110 W/Ch (8 Ω, 0.9%, 2 Channels Driven, FTC)
Center	130 W (8 Ω, 1 kHz, 1 Channel Driven, IEC); 110 W (8 Ω, 0.9%, 2 Channels Driven, FTC)
Surround L/R	130 W/Ch (8 Ω, 1 kHz, 1 Channel Driven, IEC); 110 W/Ch (8 Ω, 0.9%, 2 Channels Driven, FTC)
Surround Back L/R	130 W/Ch (8 Ω, 1 kHz, 1 Channel Driven, IEC); 110 W/Ch (8 Ω, 0.9%, 2 Channels Driven, FTC)
Dynamic Power	
	180 W (3 Ω, front)
	160 W (4 Ω, front)
	100 W (8 Ω, front)
THD (Total Harmonic Distortion)	
	0.08% (Rated power)
Damping Factor	
	60 (Front, 1 kHz, 8 Ω)
Input Sensitivity and Impedance	
	200 mV/47 kΩ (Line)
Output Level and Impedance	
	200 mV/2.2 kΩ (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	
	100 dB (Line, IHF-A)
Speaker Impedance	
	8 Ω–16 Ω

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 Pb/Cb, Pr/Cr)
	0.28 Vp-p/75 Ω (S-Video C)
	1.0 Vp-p/75 Ω (Composite)
Component Video Frequency Response	
	5 Hz–50 MHz, -3 dB

TUNER SECTION

Tuning Frequency Range	
FM	87.5 MHz–108 MHz
AM	530 kHz–1,611 kHz
FM/AM/SIRIUS Preset Memory	
	40 stations

GENERAL

Power Supply	AC 230 V, 50 Hz
Power Consumption	480 W
Dimensions (W x H x D)	435 x 150 x 379 mm
Weight	10.6 kg

SPEAKER SECTION

Speaker Type	
Front/Center	2-way, bass reflex
Surround	Full-range, acoustic-suspension
Surround Back	Full-range, acoustic-suspension
Subwoofer	Bass reflex
Drivers	
Front	12 cm cone woofer, 2.5 cm balanced-dome tweeter
Center	8 cm cone woofer x 2, 2.5 cm balanced-dome tweeter
Surround	8 cm cone
Surround Back	8 cm cone
Subwoofer	25 cm cone

Frequency Response

Front	35 Hz–50 kHz
Center	60 Hz–50 kHz
Surround	80 Hz–20 kHz
Surround Back	80 Hz–20 kHz
Subwoofer	25 Hz–150 Hz

Output Sound Pressure Level

Front	85 dB/W/m
Center	85 dB/W/m
Surround	81 dB/W/m
Surround Back	81 dB/W/m

Max. Input Power

Front/Center/Surround/ Surround Back	130 W
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Max. Output Power

Subwoofer	290 W
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Nominal Impedance

Front/Center/Surround/ Surround Back	8 Ω
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Input Impedance

Subwoofer	20 kΩ
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GENERAL

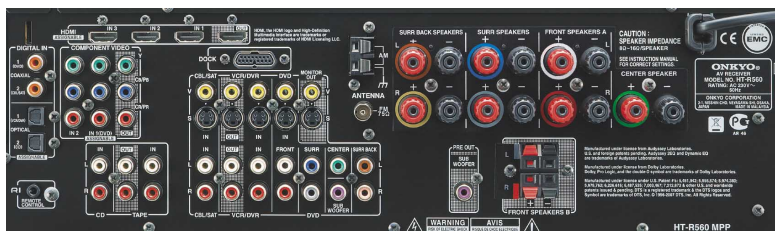
Dimensions (W x H x D)	
Front	155 x 371 x 198 mm
Center	436 x 105 x 132 mm
Surround/ Surround Back	151 x 271 x 96 mm
Subwoofer	283 x 498 x 399 mm
Weight	
Front	2.9 kg
Center	2.6 kg
Surround/ Surround Back	1.3 kg
Subwoofer	11.5 kg

Dock for the iPod

Dimensions (W x H x D)	112 x 60 x 112 mm
Weight	220 g

CARTON

Dimensions (W x H x D)	779 x 794 x 514 mm
Weight	41.2 kg



HT-R560

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