

# HT-S5600 7.1-Channel Home Theater Receiver/Speaker Package



## Power and Quality from the Home Theater Professionals

Rediscover your favorite movies, music, and games in surround sound with the addition of this seven-channel home theater package from Onkyo. Duck for cover as Dolby® Pro Logic IIz® sends bullets whizzing over your head through two Front Height speakers, or just relax into a soundstage that's balanced and optimized courtesy of Audyssey 2EQ® acoustic correction, Dynamic EQ®, and Dynamic Volume®. Four 3D-ready HDMI® inputs are provided to connect your gaming consoles and media players, and for music, a front-panel USB for lossless and compressed audio from iPod®, iPhone®, or flash drive. Invest in a UBT-I adapter to enable Bluetooth wireless audio streaming technology, with a brilliant aptX® codec ensuring near CD-quality sound. The work of speaker selection has been done for you—a beautifully balanced eight-piece set features a dual-drive center speaker and punchy 120 W down-firing subwoofer. There's even powered Zone 2 outputs should you wish to distribute audio in another room—say, the kitchen or deck. Easy to own, simple to use, and packing a huge amount of power for your dollar, there really is no better time to discover the joys of surround-sound entertainment.

### HT-R592 7.1-Channel Home Theater Receiver

- 160 W/Ch (6 Ω, 1 kHz, 1 Channel Driven, JEITA); 130 W/Ch (6 Ω, 1 kHz, 1% THD, 1 Channel Driven, IEC)
- 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
- Dolby TrueHD, DTS-HD Master Audio™, Dolby Digital Plus, DTS-HD High-Resolution Audio™ Decoding
- Dolby® Pro Logic® IIz Upmixing for Seven-Channel Surround Sound
- Direct Digital Connection of iPod/iPhone via Front-Panel USB Port
- WRAT (Wide Range Amplifier Technology)
- Powered Zone 2 and Zone 2 Line-Out for Distributed Audio Playback in Another Room
- Compatible with Optional UBT-I Bluetooth USB Adapter for Wireless Audio Streaming
- Discrete Output Stage Circuitry
- Overlaid On-Screen Display (OSD) via HDMI
- Audyssey 2EQ® for Room Acoustic Correction
- Audyssey Dynamic EQ® for Loudness Correction
- Audyssey Dynamic Volume® to Maintain Optimal Listening Level and Dynamic Range
- TI Burr-Brown 192 kHz/24-Bit DAC for All Channels
- PLL (Phase Locked Loop) Jitter-Cleaning Circuit Technology for S/PDIF Audio

- 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
- CinemaFILTER™
- Direct Mode
- Mass Storage Class USB Memory Playback Capability
- 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 (1 Optical and 2 Coaxial)
- 6 Analog Audio Inputs (1 Front/5 Rear) and 1 Output
- Color-Coded, Banana Plug-Compatible Speaker Posts (Except Zone 2)
- 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-591 7.1-Channel Home Theater Speaker System

- SKF-591 2-Way Bass Reflex Front Speakers
  - 12 cm OMF Diaphragm Woofer
  - 2.5 cm Balanced-Dome Tweeter
  - Max. Input Power: 130 W
  - Gloss-Finished Top Panel
- SKC-591 2-Way Bass Reflex Center Speaker
  - 8 cm Cone Woofer x 2
  - 2.5 cm Balanced-Dome Tweeter
  - Max. Input Power: 130 W
  - Gloss-Finished Side Panels
  - Magnetically Shielded
- SKR-590/SKB-590 Full-Range Acoustic-Suspension Surround/Surround Back Speakers
  - 8 cm Cone
  - Max. Input Power: 130 W
- SKW-591 Bass Reflex Powered Subwoofer
  - 25 cm Cone
  - Rated Output Power: 120 W (Minimum Continuous Power; 4 Ω, 100 Hz, 1% IEC)
  - Energy-Saving Power Amplifier
  - Down-Firing

Note: All speakers feature an impedance of 6 Ω and color-coded speaker terminals.



# HT-S5600 7.1-Channel Home Theater Receiver/Speaker Package

## HDMI® for High Resolution Playback

The supplied receiver features four HDMI inputs to accept hi-res content from your media players and gaming consoles. HDMI enables Dolby® TrueHD and DTS-HD Master Audio™ surround-sound formats, and supports 3D video playback. The single output has an Audio Return Channel, so you can enjoy TV programs with home theater sound.

## Wireless Streaming via Optional Adapter

With an aptX® enhancement codec and improved capabilities of Bluetooth Version 3.0, the UBT-1 adapter offers wireless sound quality approaching that of CD audio. Simply plug it into the USB port to send audio from a range of electronic devices, including phones, tablets, and laptop computers.

## Overlaid Menu via HDMI for Quick Adjustment

Touch a button on your remote to overlay menus on the program being viewed. From here, you can gain access to frequently used AV settings without interruption to your viewing. The Home Menu button features simple icons for choosing a media source, and more detailed menus for system adjustment.

## An Introduction to Onkyo Home Theater Sound

Onkyo's WRAT (Wide Range Amp Technology) enhances audio fidelity across a wide frequency range. It includes low-negative-feedback amp topology for clear, true-to-life sound; closed ground-loop circuits to reduce noise; and high instantaneous-current capability to handle big dynamic gains. WRAT amps feature a discrete output stage for longer life and cooler running.

## Dolby® Pro Logic® IIz Delivers More Enveloping Soundstage

Pro Logic IIz creates a surround-sound experience from any movie or music source—even a stereo one. The system incorporates two Front Height speakers to carry ambient audio effects in a vertical dimension for more realistic action.

## Audyssey 2EQ®

Audyssey 2EQ calibrates your speakers and equalizes your system to optimize the sound for the shape of your room. Measuring multiple listening positions, the system applies filters to satellite speakers to create a balanced soundstage.

## Audyssey Dynamic EQ®

Dynamic EQ solves the problem of deteriorating sound quality at low volume. It selects the best possible frequency response and surround levels moment-by-moment, resulting in an optimal listening experience at any volume.

## Audyssey Dynamic Volume®

Audyssey Dynamic Volume automatically compensates for volume fluctuations in different audio content—for example, during noisy commercial breaks—and adjusts the volume in real time.

## Good Quality Digital-to-Analog Converter

This receiver employs a 192 kHz/24-bit TI Burr-Brown DAC for excellent dynamic performance and improved tolerance to clock jitter, which translates as clearer, more expressive sound from your speakers.

## Clearer Sound with Direct-Digital USB

This receiver features a front-panel USB port to connect iPod/iPhone and mass storage devices loaded with music in a variety of digital formats. The connection carries signals from your portable device to the receiver in digital form, giving a noticeable boost to audio quality.

## Quality Speakers for Quality Sound

A carefully matched Onkyo speaker set delivers clear, dynamic audio reproduction. Solid two-way front speakers feature a 12 cm OMF woofer and a balanced-dome tweeter for clean, well-separated highs. The center speaker boasts twin 8 cm woofers and dome tweeter to boost the audibility of dialog in movies and TV, while an efficient 120 W subwoofer rounds out the package.

## Multi-Zone Powered Audio and Zone 2 Line-Outs

This receiver features Powered Zone 2 speaker terminals and Zone 2 line-outs. This means you can drive audio in another room equipped with stereo speakers—for example, in an adjoining room, or on the deck, or in the kitchen.

## More Realistic Action with Four Different Gaming Modes

Select from four optimized audio modes to match your gaming content for a realistic surround sound experience. Rock, Sports, Action, and RPG game modes bring out the best in any soundtrack, from subtle ambient effects to thundering explosions.

## SPECIFICATIONS

### A/V RECEIVER

#### Amplifier Section

Power Output	
Front L/R	160 W/Ch (6 Ω, 1 kHz, 1 Channel Driven, JEITA)
Center	130 W/Ch (6 Ω, 1 kHz, 1% THD, 1 Channel Driven, IEC)
Surround L/R	160 W/Ch (6 Ω, 1 kHz, 1 Channel Driven, JEITA)
Surround Back L/R	130 W/Ch (6 Ω, 1 kHz, 1% THD, 1 Channel Driven, IEC)
Subwoofer	160 W/Ch (6 Ω, 1 kHz, 1 Channel Driven, JEITA)

Dynamic Power	
Front	180 W (3 Ω Front)
Center	160 W (4 Ω Front)
Surround	100 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	
5 Hz–100 kHz/+1 dB, -3 dB	(DSP Bypass)

Tone Control	
±10 dB, 20 kHz	(Bass)
±10 dB, 20 kHz	(Treble)

Signal-to-Noise Ratio	
100 dB	(Line, IIF-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	530 kHz–1,710 kHz

FM/AM Preset Memory	
40	Stations

## General

Power Supply	AC 220-240V~ 50/60 Hz
Power Consumption	500 W
Dimensions (W x H x D)	435 x 150 x 328 mm
Weight	8.3 kg (Models sold in Taiwan and South America)
	8.6 kg (Models sold in Korea, Hong Kong, and Middle East)

## SPEAKER SYSTEM

Speaker Type	
Front	2-Way, Bass Reflex
Center	2-Way, Bass Reflex
Surround	Full-Range, Acoustic-Suspension
Surround Back	Full-Range, Acoustic-Suspension
Subwoofer	Bass Reflex, Powered

Drivers	
Front	12 cm OMF Diaphragm 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	55 Hz–50 kHz
Center	65 Hz–50 kHz
Surround	80 Hz–20 kHz
Surround Back	80 Hz–20 kHz
Subwoofer	25 Hz–150 Hz

Output Sound Pressure Level	
Front	84.5 dB/W/m
Center	86 dB/W/m
Surround	81 dB/W/m
Surround Back	81 dB/W/m

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

Rated Output Power	
Subwoofer	120 W (Minimum Continuous Power; 4 Ω, 100 Hz, 1% IEC)

Nominal Impedance	
Front/Center/Surround/Surround Back	6 Ω

Input Sensitivity/Impedance	
Subwoofer	540 mV/20 kΩ

## General

Dimensions (W x H x D)	
Front	155 x 378 x 169 mm
Center	420 x 115 x 119 mm
Surround	115 x 230 x 96 mm
Surround Back	115 x 230 x 96 mm
Subwoofer	317.5 x 468 x 398 mm

Weight	
Front	2.6 kg
Center	2.4 kg
Surround	1.0 kg
Surround Back	1.0 kg
Subwoofer	9.1 kg

## CARTON

Dimensions (W x H x D)	
772 x 768 x 477 mm	
Weight	
34.5 kg	

## Supplied Accessories

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

\*Included with Chinese model only.

\*\*Not included with Chinese model.

HT-R592



Front View



Rear View

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