

HT-S6300 7.1-Channel Home Theater Receiver/Speaker Package (with Dock for iPhone™/iPod®)

BLACK

HDMI
DOLBY
 TRUEHD
 PRO LOGIC IIz

DTS-HD
 Master Audio

AUDYSSEY
 2EQ
 DYNAMIC VOLUME

FAROUDJA
 DCDi
 CINEMA

CINEMA
 FILTER

WRAT
 WIDE RANGE AMP TECHNOLOGY

192kHz/24-bit
POWERED ZONE 2
HD
 RADIO
 READY

RIHD
Theater-Dimensional
RI
Made for
iPod
Works with
iPhone

UP-A1 Dock for iPhone/iPod

 Microphone for
 Audyssey

Redefining Cost-Performance in Packaged Home Theater

If you're looking to flesh out your movies, games, and music with lifelike, full-blooded surround sound, look no further than the HT-S6300. Think: quality on a budget. This feature-packed system sports four of the latest HDMI® 1.4a inputs to handle your Blu-ray player and other high-definition devices. Non-HD video sources, meanwhile, can be upscaled to spectacular widescreen 1080p via HDMI and Faroudja DCDi Cinema™. HDMI 1.4a is compatible with upcoming 3D video content and enables a handy Audio Return Channel from your display's tuner back to the receiver. Audio processing on the HT-S6300 includes the "in the studio" realism of DTS-HD Master Audio™ and Dolby® TrueHD; Dolby® Pro Logic IIz® for ambient height channels; Audyssey room-correction and equalization technologies; and four proprietary DSP modes to match your gaming content. Other Onkyo exclusives include a Universal Port for peripherals such as the included Dock for iPhone/iPod, and a new overlaid graphical on-screen display. So go ahead. Immerse yourself in Onkyo.

HT-R680 7.1-Channel Home Theater Receiver

- 130 Watts per Channel at 6 Ohms, 1 kHz, 0.1%, 1 Channel Driven
- 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
- Dolby® TrueHD, DTS-HD Master Audio™, Dolby® Digital Plus, DTS-HD High-Resolution Audio™ Decoding
- HDMI Video Upscaling to 1080p with Faroudja DCDi Cinema™
- Dolby® Pro Logic® IIz for New Surround Channels
- Burr-Brown 192 kHz/24-Bit DACs (PCM1690) for All Channels
- Jitter-Cleaning Circuit Technology
- Audyssey 2EQ™ for Room Acoustic Correction
- Audyssey Dynamic Volume™
- Audyssey Dynamic EQ™ for Loudness Correction
- Powered Zone 2 and Zone 2 Line-Out for Playback of Separate Source in Another Room
- Overlaid Graphical On-Screen Display (OSD) via HDMI
- WRAT (Wide Range Amplifier Technology)
- 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 (Role Playing Game)
- Music Optimizer™ for Compressed Digital Music Files

- Direct Mode
- Double Bass Function
- CinemaFILTER™
- Non-Scaling Configuration
- A-Form Listening Mode Memory
- Theater-Dimensional Virtual Surround Function
- Universal Port for Single-Cable Connection of UP-A1 Dock for iPhone/iPod or Optional Onkyo HD Radio™ Tuner
- Audio and 1080p Video Processing via HDMI (4 Inputs and 1 Output)
- HDTV-Capable (720p/1080i) Component Video Switching (2 Inputs and 1 Output)
- Front-Panel Audio Input for Portable Devices
- Front-Panel Auxiliary A/V Input
- 4 Digital Inputs (2 Optical and 2 Coaxial)
- 4 A/V Inputs and 1 Output
- Video Output (Monitor)
- 1 Audio Input
- Subwoofer Pre Out
- Color-Coded, Banana Plug-Compatible Speaker Posts
- Crossover Adjustment (40/50/60/70/80/90/100/120/150/200 Hz)
- A/V Sync Control Function (Up to 200 ms in 10 ms Steps)
- 40 FM/AM Random Presets
- RIHD (Remote Interactive over HDMI) for System Control
- Compatible with RI (Remote Interactive) Dock for iPod
- Preprogrammed RI Remote Control

HTP-680 7.1-Channel Home Theater Speaker System

SKF-680 2-Way Acoustic Suspension Front Speakers

- 4" (10 cm) Cone Woofer
- 1" (2.5 cm) Balanced-Dome Tweeter
- Max. Input Power: 130 W

SKC-680 2-Way Acoustic Suspension Center Speaker

- 4" (10 cm) Cone Woofer
- 1" (2.5 cm) Balanced-Dome Tweeter
- Max. Input Power: 130 W

SKR-680/SKB-680 Full-Range Acoustic Suspension Surround/Surround Back Speakers

- 3 1/4" (8 cm) Cone
- Max. Input Power: 130 W

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

SKW-770 Bass Reflex Powered Subwoofer

- 10" (25 cm) Cone
- Max. Output Power: 290 W (Dynamic Power)
- Output Level Control
- Gloss-Finished

UP-A1 Dock for iPhone/iPod

- Audio and Video Playback with iPhone/iPod
- Easy Connection via Universal Port
- Recharges iPhone/iPod

HT-S6300 7.1-Channel Home Theater Receiver/Speaker Package (with Dock for iPhone™/iPod®)

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

The four HDMI 1.4a inputs on the HT-S6300'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. 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 on the near horizon. 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 the A/V receiver, without the need for a separate S/PDIF audio cable.

HDMI Video Upscaling to 1080p with Faroudja DCDi Cinema™

When it comes to video processing, the Faroudja DCDi Cinema (Directional Correlational Deinterlacing) video processor offers several advantages. This processor can accept any video signal, regardless of the source resolution, and upscale it to 1080p to match the native resolution of your high-definition display. What's more, DCDi Cinema effectively removes video artifacts such as jagged edges during the video signal deinterlacing process. You get to enjoy smooth progressive scan video images, even for fast-moving sports and action scenes.

Dolby® Pro Logic® IIz Adds New Dimensions to Surround Sound

On the HT-S6300's A/V receiver, Dolby Pro Logic IIz enables you to incorporate two "front height" speakers into your surround-sound set-up as an alternative to the two surround back speakers. The front height channels carry ambient, non-directional audio that helps immerse you even more deeply into your movies and games.

Convenient Overlaid Graphical On-Screen Display via HDMI

Changing your A/V receiver's settings is now more seamless than ever, thanks to the HT-S6300's new overlaid graphical On-Screen Display (OSD) feature. Simply press the Home button on the included remote controller, and semi-transparent graphical 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

- (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 Volume™** automatically compensates for volume fluctuations in different audio content—for example, during commercial breaks—while optimizing the dynamic range.
- (3) **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.

SPECIFICATIONS

A/V RECEIVER

AMPLIFIER SECTION

Power Output	
Front L/R	130 W/Ch (6 ohms, 1 kHz, 0.1%, 1 channel driven)
Center	130 W (6 ohms, 1 kHz, 0.1%, 1 channel driven)
Surround L/R	130 W/Ch (6 ohms, 1 kHz, 0.1%, 1 channel driven)
Surround Back L/R, Front High L/R, or Zone 2 L/R	130 W/Ch (6 ohms, 1 kHz, 0.1%, 1 channel driven)
Dynamic Power	180 W (3 ohms, Front) 160 W (4 ohms, Front) 100 W (8 ohms, Front)

THD (Total Harmonic Distortion)

	0.08% (1 W)
Damping Factor	60 (Front, 1 kHz, 8 ohms)

Input Sensitivity and Impedance

	200 mV/47 k-ohms (Line)
Output Level and Impedance	
	200 mV/2.2 k-ohms (Rec out)
Frequency Response	5 Hz–100 kHz/±1 dB, -3 dB (DSP bypass)
Tone Control	±10 dB, 50 Hz (Bass) ±10 dB, 20 kHz (Treble)
Signal-to-Noise Ratio	106 dB (Line, IHF-A)
Speaker Impedance	6 ohms–16 ohms

VIDEO SECTION

Input Sensitivity/Output Level and Impedance	
Video	1.0 Vp–p/75 ohms (Component) 0.7 Vp–p/75 ohms (Component Pa/Ca, Pr/Ca) 1.0 Vp–p/75 ohms (Composite)
Component Video Frequency Response	
	5 Hz–100 MHz/0 dB, -3 dB

TUNER SECTION

Tuning Frequency Range	
FM	87.5 MHz–107.9 MHz
AM	530 kHz–1,710 kHz
FM/AM Preset Memory	40 stations

GENERAL

Power Supply	AC 120 V~, 60 Hz
Power Consumption	4.9 A
Dimensions (W x H x D)	17 1/8" x 5 1/8" x 12 1/8" (435 x 151.5 x 328.5 mm)
Weight	19.0 lbs. (8.6 kg)

SPEAKER SYSTEM

Speaker Type	
Front	2-way, Acoustic suspension
Center	2-way, Acoustic suspension
Surround	Full-range, Acoustic suspension
Surround Back	Full-range, Acoustic suspension
Subwoofer	Bass reflex, Powered

Drivers	
Front	4" (10 cm) cone woofer 1" (2.5 cm) balanced-dome tweeter
Center	4" (10 cm) cone woofer 1" (2.5 cm) balanced-dome tweeter
Surround/Surround Back	3 1/4" (8 cm) cone
Subwoofer	10" (25 cm) cone

Frequency Response

Front	60 Hz–50 kHz
Center	60 Hz–50 kHz
Surround/Surround Back	90 Hz–20 kHz
Subwoofer	25 Hz–150 Hz

Output Sound Pressure Level

Front	81 dB/W/m
Center	81 dB/W/m
Surround/Surround Back	79 dB/W/m

Max. Input Power

Front/Center/Surround/Surround Back	130 W
-------------------------------------	-------

Max. Output Power

Subwoofer	290 W (Dynamic power)
-----------	-----------------------

Nominal Impedance

Front/Center/Surround/Surround Back	6 ohms
-------------------------------------	--------

Input Sensitivity/Impedance

Subwoofer	140 mV/20 k-ohms
-----------	------------------

GENERAL

Dimensions (W x H x D)

Front	4 3/4" x 11 7/16" x 4" (120 x 290 x 102 mm)
Center	11 7/16" x 4 13/16" x 4 7/16" (290 x 122 x 113 mm)
Surround/Surround Back	4 3/4" x 11 7/16" x 4" (120 x 290 x 102 mm)
Subwoofer	10 1/16" x 19 1/16" x 16 3/16" (275 x 507 x 411 mm)

Weight

Front	2.4 lbs. (1.1 kg)
Center	2.4 lbs. (1.1 kg)
Surround/Surround Back	1.8 lbs. (0.8 kg)
Subwoofer	25.6 lbs. (11.6 kg)

CARTON

Dimensions (W x H x D)	23 1/16" x 36 7/8" x 20 1/4" (601 x 937 x 515 mm)
-------------------------------	--

Weight

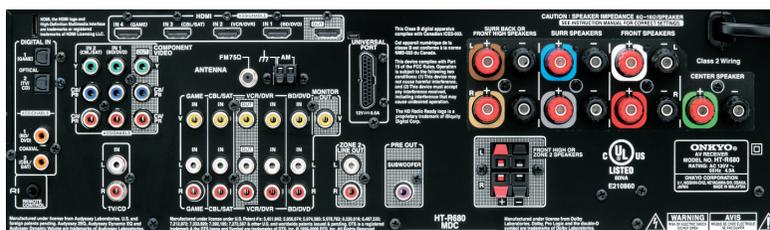
	71.6 lbs. (32.5 kg)
--	---------------------

UPC CODE

(B)	751398009495
-----	--------------

Supplied Accessories

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



HT-R680

Due to a policy of continuous product improvement, Onkyo reserves the right to change specifications and appearance without notice. 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. iPod is a trademark of Apple Inc., registered in the U.S. and other countries. iPhone is a trademark of Apple Inc. "Made for iPod" means that an electronic accessory has been designed to connect specifically to iPod and has been certified by the developer to meet Apple performance standards. "Works with iPhone" means that an electronic accessory has been designed to connect specifically to iPhone and has been certified by the developer to meet Apple performance standards. Manufactured under license from Audyssey Laboratories. U.S. and foreign patents pending. EQ, Dynamic EQ, and Dynamic Volume are trademarks 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. x.v.Color is a trademark of Sony Corporation. WRAT, Music Optimizer, CinemaFILTER, and Theater-Dimensional are trademarks of Onkyo Corporation. All other trademarks and registered trademarks are the property of their respective holders.



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 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/>
Mexico: Representaciones de Audio, S.A. de C.V. Calle 10 No. 133 Col. Granjas San Antonio Del. Itzapalapa C.P. 09070 Mexico, D.F. MEXICO Tel: +52-55-3300-4550 Fax: +52-55-3300-4569
Brazil: Disac Comercial Ltda Av. Brig. Faria Lima, No. 1-461-Torre SUL-cj 151-154 Sao Paulo-SP BRAZIL CEP 01452-002 Tel: +55-11-3811-7272 Fax: +55-11-3811-7265 <http://www.disac.com.br/>