

HT-S3400 5.1-CHANNEL HOME THEATER RECEIVER/SPEAKER PACKAGE



HDMI

DOLBY
TRUEHD

DTS-HD

AUDYSSEY
DYNAMIC EQ
DYNAMIC VOLUMECINEMA
FILTER

192/24

HD Radio
READY

RIHD

Theater-Dimensional

RI

A Rock-Solid Foundation for Affordable Home Entertainment

Taking the hassle out of home theater, Onkyo presents the HT-S3400 package: a full-featured A/V receiver coupled with a quality six-piece speaker set. To handle the latest Blu-ray, gaming, and cable/satellite devices, the receiver sports four new HDMI® inputs. HDMI opens the way to lossless, high-definition audio from Dolby and DTS, as well as immersive new 3D video content. It also supports a convenient Audio Return Channel from a compatible HDTV back to the receiver. Handy analog audio and video inputs on the receiver's front panel make it easy to hook up your video camera or game console. And rounding out the connection highlights is a Universal Port that lets you connect peripherals such as an optional iPod®/iPhone® dock. Audyssey equalization filters work to optimize your audio experience, while an overlaid on-screen display allows seamless adjustment of the system's settings during a session. A superbly balanced 5.1-channel speaker set completes the package.

HT-R390

5.1-Channel Home Theater Receiver

- 110 Watts per Channel at 6 Ohms, 1 kHz, 1%, 1 Channel Driven, FTC
- 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
- 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 Dynamic EQ® for Loudness Correction
- Audyssey Dynamic Volume® to Maintain Optimal Listening Level and Dynamic Range
- Overlaid On-Screen Display (OSD) via HDMI
- Universal Port for UP-A1 Dock for iPod®/iPhone® or UP-HT1 HD Radio™ Tuner
- 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
- 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
- Full-Function RI (Remote Interactive) Remote Control

HTP-390

5.1-Channel Home Theater Speaker System

- SKF-390N Full-Range Bass Reflex Front Speakers
- 3 1/4" (8 cm) Cone
- Max. Input Power: 120 W
- Gloss Finished
- SKC-390N Full-Range Bass Reflex Center Speaker
- 3 1/4" (8 cm) Cone
- Max. Input Power: 120 W
- Gloss Finished
- SKR-390 Full-Range Bass Reflex Surround Speakers
- 3 1/4" (8 cm) Cone
- Max. Input Power: 120 W
- Gloss Finished
- SKW-390 Bass Reflex Subwoofer
- 8" (20 cm) Cone
- Max. Input Power: 130 W
- Down-Firing

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



HT-S3400 5.1-CHANNEL HOME THEATER RECEIVER/SPEAKER PACKAGE

HDMI® Support for 3D Video and Audio Return Channel

The four HDMI inputs on the HT-S3400's A/V receiver let you simultaneously connect high-def sources such as a Blu-ray player, a game 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 coming to 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.

Decoding of High-Definition Surround-Sound Codes

The HT-S3400'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.

192 kHz/24-Bit TI Burr-Brown DACs Improve Jitter Performance to Deliver Clearer Sound

High-quality Burr-Brown DACs work to optimize analog audio performance on the HT-S3400's A/V receiver. These DACs perform advanced 24-bit signal processing and support sampling rates of up to 192 kHz, while displaying high resistance to clock jitter.

Audyssey Technologies to Optimize the Listening Experience

The HT-S3400 comes with two sound-enhancing Audyssey technologies.

(1) *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.*

(2) *Audyssey Dynamic Volume® automatically compensates for volume fluctuations in different audio content—for example, during commercial breaks—while optimizing the dynamic range.*

Universal Port for Single-Cable Connection of Optional Onkyo Dock for iPod®/iPhone® or HD Radio™ Tuner

A proprietary Universal Port located on the rear side of the HT-S3400's A/V receiver lets you connect an optional UP-A1 Dock for iPod/iPhone or UP-HT1 HD Radio Tuner. A key advantage of the Universal Port is that it accepts video and audio signals through the same cable that sends a power supply from the receiver to the devices. Net result: more connectivity, less cable clutter.

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	110 W/Ch (6 ohms, 1 kHz, 1% 1 channel driven, FTC)
Center	110 W (6 ohms, 1 kHz, 1% 1 channel driven, FTC)
Surround L/R	110 W/Ch (6 ohms, 1 kHz, 1% 1 channel driven, FTC)
Subwoofer	110 W/Ch (6 ohms, 1 kHz, 1% 1 channel driven, FTC)

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

Input Sensitivity/Output Level and Impedance	
Video	1.0 Vp–p/75 ohms (Component Y) 0.7 Vp–p/75 ohms (Component Pb/Cb, Pr/Cr) 1.0 Vp–p/75 ohms (Composite)

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

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

Power Supply	AC 120V~, 60 Hz
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Power Consumption	3.5 A
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Dimensions (W x H x D)	17 1/8" x 5 7/8" x 12 1/16" (435 x 150 x 328 mm)
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Weight	16.5 lbs. (7.5 kg)
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SPEAKER SYSTEM

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

Drivers	
Front	3 1/4" (8 cm) cone
Center	3 1/4" (8 cm) cone
Surround	3 1/4" (8 cm) cone
Subwoofer	8" (20 cm) cone

Frequency Response	
Front	80 Hz–20 kHz
Center	80 Hz–20 kHz
Surround	80 Hz–20 kHz
Subwoofer	30 Hz–150 Hz

Output Sound Pressure Level	
Front	81 dB/W/m
Center	81 dB/W/m
Surround	80 dB/W/m
Subwoofer	83 dB/W/m

Max. Input Power	
Front/Center/Surround	120 W
Subwoofer	130 W

Nominal Impedance	Front/Center/Surround/Subwoofer 6 ohms
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General

Dimensions (W x H x D)	
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Front	4" x 9 1/8" x 4 1/16" (101 x 231 x 119 mm)
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Center	9 1/8" x 4 1/8" x 4 1/8" (230 x 103 x 115 mm)
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Surround	4" x 6 1/8" x 4 1/8" (101 x 161 x 115 mm)
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Subwoofer	11 1/8" x 13 1/8" x 14 1/8" (295 x 345 x 368 mm)
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Weight	
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Front	1.8 lbs. (0.8 kg)
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Center	1.8 lbs. (0.8 kg)
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Surround	1.5 lbs. (0.7 kg)
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Subwoofer	14.1 lbs. (6.4 kg)
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CARTON

Dimensions (W x H x D)	21 1/8" x 29 7/8" x 16 1/16" (537 x 751 x 414 mm)
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Weight	47.4 lbs. (21.5 kg)
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UPC CODE

(B)	75139809846
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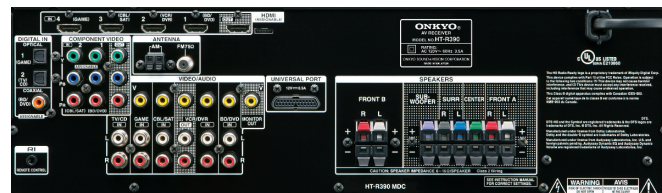
Supplied Accessories

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

HT-R390



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