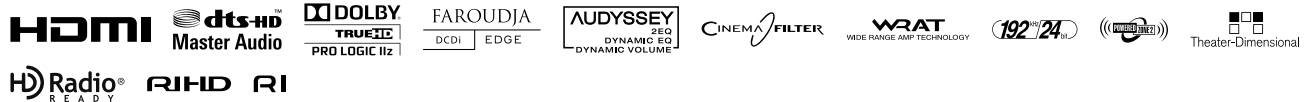


HT-RC160 7.2-Channel A/V Surround Home Theater Receiver

BLACK



Superb Versatility and Performance from an Affordable A/V Centerpiece

In these testing economic times, you can trust Onkyo to deliver maximum bang for your hard-earned buck. With the new HT-RC160, you have a multi-talented 7.2-channel receiver that offers the latest connecting, upscaling, and decoding technology on a bedrock of obsessively fine-tuned Onkyo amplification. Five HDMI™ 1.3a inputs enable clean, one-cable connection of multiple high-def sources, including Blu-ray Disc, gaming consoles, and set-top boxes. As well as handling native 1080p and upscaled 1080i video, HDMI 1.3a can also carry the HD audio of DTS-HD Master Audio™ and Dolby® TrueHD. The HT-RC160 even includes Dolby's latest technology, Dolby Pro Logic® IIz, which adds “front height” channels to bring a spacious new vertical dimension to the sound stage. Along with intelligent Audyssey equalization and Faroudja deinterlacing technologies, the HT-RC160 gives you a ton of connectivity options, so you can incorporate HD Radio™, iPod®, and more.

1080p Video and High-Def Surround Sound via HDMI 1.3a*

Incorporating HDMI version 1.3a, along with advanced processing capabilities, the HT-RC160 makes for a powerful A/V control center. Up to five components can be connected via HDMI, including Blu-ray Disc players, gaming consoles, and set-top boxes. The HT-RC160 can receive and switch high-def media, such as HD broadcasts and Blu-ray Discs, and send a pure digital output to your HDTV. What's more, all multichannel audio—from bit-for-bit streams to standard Dolby Digital—can be input via HDMI for processing on the HT-RC160. HDMI version 1.3a enables CEC (Consumer Electronics Control) and offers greater bandwidth to deal with higher resolutions, 36-bit Deep Color™, and high frame rates.

*HDMI version 1.3a supports Deep Color™, x.v.Color™, LipSync, Dolby TrueHD, DTS-HD Master Audio, DVD-Audio, Super Audio CD, Multichannel PCM, and CEC.

Dolby Pro Logic IIz for a Spacious New Audio Dimension

Dolby Pro Logic IIz offers the proven quality of Dolby Pro Logic IIx and adds a new vertical dimension to your home theater sound stage. As with previous versions of Dolby Pro Logic, this latest version delivers a convincing surround-sound experience from any movie or music source—even a stereo one. On the HT-RC160, 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. With Dolby Pro Logic IIz, rain seems to burst from clouds right above you, and helicopters fly realistically overhead.

A Full Range of the Latest High-Definition Surround-Sound Codecs

The HT-RC160 handles Dolby TrueHD and DTS-HD Master Audio—two lossless decoding formats that enable delivery of a bit-for-bit soundtrack identical to the studio master track. Both codecs take advantage of the high data capacity of the Blu-ray Disc (BD) format. Another BD-related technology is DTS-HD Express, which provides access to secondary audio features. The HT-RC160 also handles two “lossy” audio formats: Dolby® Digital Plus and DTS-HD High Resolution Audio™. Dolby Digital Plus is designed to accompany high-definition video delivered via disc media, broadcasts, and online content. DTS-HD High Resolution Audio, meanwhile, offers a greater bit rate, a higher sampling rate, and more channels than the core DTS technology.

A Suite of Audyssey Technologies for the Ideal Listening Environment

The HT-RC160 has three Audyssey technologies to help create the most suitable listening environment for your home.

(1) Audyssey 2EQ™ for Room Acoustic Correction

Tailors multichannel audio for your home theater by correcting problems both in frequency response and in the time domain (where most of the problems lie) for a clear, precise, and natural sound.

(2) Audyssey Dynamic Volume™

Maintains the desired listening level for all content while optimizing the dynamic range.

(3) Audyssey Dynamic EQ™ for Loudness Correction

Solves the problem of deteriorating sound quality at lower volumes.



HT-RC160 7.2-Channel A/V Surround Home Theater Receiver

HDMI™ Video Upscaling (to 1080i) and Faroudja DCDi Edge™ (Directional Correlational Deinterlacing) Technology

The HT-RC160's HDMI inputs can receive pristine digital video from HDMI-enabled components for a single-cable output to a display device with an HDMI or DVI connection. Native 1080p video is processed as it is, but lower-resolution signals from component video and composite video are upscaled to 1080i via HDMI. Upscaling takes the video resolution to HD quality, so it better matches the resolution of today's high-definition displays. To further improve performance on high-definition displays, the HT-RC160 features a deinterlacing chip with Faroudja DCDi Edge technology which effectively eliminates video artifacts.

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

The HT-RC160 features a proprietary universal port, located on the rear side of the unit, to which you can connect Onkyo's HD Radio Tuner or Dock for the iPod. The dock sends both video and audio signals through a single cable. Earlier versions of Onkyo's Dock for the iPod can be connected via our Remote Interactive (RI) system.

Music Optimizer™ and Convenient Front-Panel Audio Input for Portable Devices

An audio input on the front panel of the HT-RC160 enables you to connect your iPod or other MP3 player directly to the system. The HT-RC160's onboard Music Optimizer technology then works to enhance the quality of your compressed digital music files by compensating for bit information lost at higher frequencies.

Playback of Different Audio Sources in Two Different Zones

With Powered Zone 2 and a Zone 2 line-out, you can enjoy surround-sound entertainment in the main room while you play back a completely different stereo source in a second zone equipped with an amplifier or a pair of speakers.

ADVANCED FEATURES

- DTS-HD Master Audio™, DTS-HD High Resolution Audio™, DTS-HD Express, Dolby® TrueHD, Dolby® Digital Plus, Dolby® Pro Logic® IIz Decoding
- HDMI™ Version 1.3a to Support Deep Color™, x.v.Color™, LipSync, Dolby TrueHD, DTS-HD Master Audio, DVD-Audio, Super Audio CD, Multichannel PCM, and CEC
- Audio and 1080p Video Processing via HDMI (5 Inputs and 1 Output)
- HDTV-Capable HDMI Video Switching
- HDMI Video Upscaling to 1080i from Component Video and Composite Video Inputs
- Deinterlacer with Faroudja DCDi Edge™ (Directional Correlational Deinterlacing) Technology
- Audyssey 2EQ™ to Correct Room Acoustic Problems
- Audyssey Dynamic Volume™ to Maintain Optimal Listening Level and Dynamic Range
- Audyssey Dynamic EQ™ for Loudness Correction
- Powered Zone 2 and Zone 2 Line-Out for Playback in Another Room (Separate Source)
- 4 DSP Modes for Gaming: Rock, Sports, Action, and Role Playing Game (RPG)
- Universal Port for Single-Cable Connection of Optional Onkyo Dock for the iPod or HD Radio Tuner

AUDIO & VIDEO FEATURES

- 80 Watts per Channel at 8 Ohms, 20 Hz–20 kHz, 0.08%, 2 Channels Driven, FTC;
- 90 Watts per Channel at 8 Ohms, 1 kHz, 0.7%, 2 Channels Driven, FTC
- DTS-ES™ Discrete/Matrix, DTS Neo6™, DTS 96/24™, Dolby® Digital EX™ Decoding
- H.C.P.S. (High Current Power Supply) Massive High Power Transformer
- 192 kHz/24-Bit DACs for All Channels
- Advanced 32-Bit Processing DSP Chip
- 4 Digital Inputs (2 Optical and 2 Coaxial)
- Front-Panel Audio Input for Portable Devices
- Front-Panel Auxiliary A/V Input (for Camcorders, Game Consoles, etc.)
- HDTV-Capable (720p/1080i) Component Video Switching (2 Inputs and 1 Output)
- Optimum Gain Volume Control Circuitry
- Bi-Amping Capability
- WRAT (Wide Range Amplifier Technology)
- Music Optimizer for Compressed Digital Music Files
- Theater-Dimensional Virtual Surround Function
- CinemaFILTER™
- RIHD (Remote Interactive over HDMI) for System Control
- A-Form Listening Mode Memory
- Double Bass Function
- Direct Mode
- Independent Crossover Adjustment for F/C/S/B (40/50/60/70/80/90/100/120/150/200 Hz)
- A/V Sync Control Function (Up to 100 ms in 10 ms Steps)
- Dual Subwoofer Pre Outs
- Banana Plug-Compatible Speaker Posts (Except Zone 2)
- Color-Coded Speaker Terminals
- HD Radio Ready
- 40 FM/AM Random Presets
- Compatible with RI (Remote Interactive) Dock for the iPod
- Preprogrammed RI Remote Control with Onscreen Setup

OTHER FEATURES

- Non-Scaling Configuration
- Tone Control (Bass/Treble) for Front L/R Channels
- 5 A/V Inputs and 1 Output
- Video Output (Monitor)
- 2 Audio Inputs and 1 Output
- Onscreen Display (OSD) for HDMI Output
- Display Dimmer (Normal/Dim/Dimmer)
- Headphone Jack
- Sleep Timer (via Remote)
- Battery-Free Memory Backup
- Aluminum Front Panel
- Glossy Black Volume Knob

SPECIFICATIONS

AMPLIFIER SECTION

Power Output	
Front L/R	80 W + 80 W (8 ohms, 20 Hz–20 kHz, 0.08%, 2 channels driven, FTC) 90 W + 90 W (8 ohms, 1 kHz, 0.7%, 2 channels driven, FTC)
Center	80 W (8 ohms, 20 Hz–20 kHz, 0.08%, 2 channels driven, FTC) 90 W (8 ohms, 1 kHz, 0.7%, 2 channels driven, FTC)
Surround L/R	80 W + 80 W (8 ohms, 20 Hz–20 kHz, 0.08%, 2 channels driven, FTC) 90 W + 90 W (8 ohms, 1 kHz, 0.7%, 2 channels driven, FTC)
Surround Back L/R	80 W + 80 W (8 ohms, 20 Hz–20 kHz, 0.08%, 2 channels driven, FTC) 90 W + 90 W (8 ohms, 1 kHz, 0.7%, 2 channels driven, FTC)
Dynamic Power	
	180 W (3 ohms, 1 ch) 110 W (4 ohms, 1 ch) 100 W (8 ohms, 1 ch)
THD (Total Harmonic Distortion)	
	0.08% (Rated power)
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
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 Pb/Ca, Pr/Cs) 1.0 Vp-p/75 ohms (Composite)
Component Video Frequency Response	
	5 Hz–50 MHz, -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

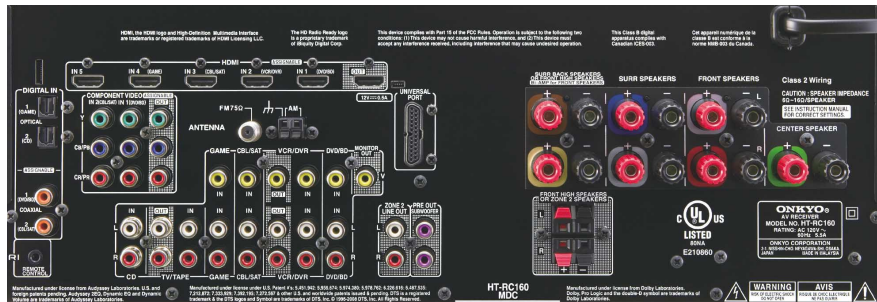
Power Supply	AC 120 V~, 60 Hz
Power Consumption	5.5 A
Dimensions (W x H x D)	17 1/8" x 6 3/8" x 12 1/8" (435 x 176 x 329 mm)
Weight	23.8 lbs. (10.8 kg)

■ CARTON

Dimensions (W x H x D)	22 1/8" x 11 1/8" x 16 1/8" (570 x 297 x 423 mm)
Weight	30.0 lbs. (13.6 kg)

■ UPC CODE

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ONKYO
IMAGINATIVE SIGHT & SOUND

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 Fax: +1-201-785-2650 <http://www.onkyo.com/>
Mexico: Representaciones de Audio, S.A. de C.V. Calle 10 No. 133 Col. Granjas San Antonio Del. Itzapatla 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/>