

HT-R940

THX™ Certified 7.1-Channel A/V Surround Home Theater Receiver



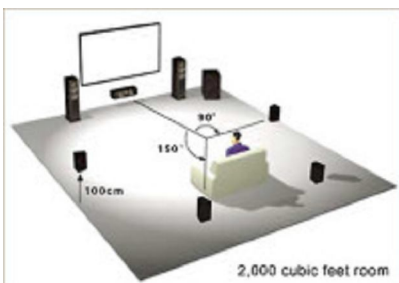
Setting the Quality Benchmark as the World's First THX™ Certified 7.1-Channel A/V Surround Home Theater Receiver Certified Integrated Home Theater System

When THX created a category for integrated systems, with parameters set for overall system performance rather than for separate loudspeaker and amplifier performance, the challenge was too tempting for Onkyo's engineers to resist. Piling their energy into the world-first HT-S990THX, they came up with a powerful, high-performance solution that combines the convenience of all-in-one systems with the performance of much higher-priced separate components. On top of a full suite of THX processing capabilities, the HT-S990THX is anchored by key Onkyo technologies, such as Wide Range Amplifier Technology (WRAT). The HT-S990THX will cater for virtually any DVD/universal player, cable/set-top box, DVR or gaming console through its switching capabilities—all upconverted and then delivered to your display via a single component video connection. And if that level of integration isn't enough, you're also primed for the launch of HD-DVD and Blu-ray Discs through 7.1-multichannel inputs delivering the full potential of HD audio formats. This system has been designed for flexible placement in all but the largest of rooms—a clear match for any lifestyle.

Features



THX™ Select™



THX engineers analyzed the dynamic content of the most demanding multichannel digital material, and from that real-world data designed the THX Select standard for a 2,000 cubic feet room. THX Ultra, meanwhile, is designed for a 3,000+ cubic feet room (please refer to THX for further details).



DTS® (Digital Theater Systems) Formats

DTS® offers premium sound quality with optimal channel separation and sound quality. Like Dolby® Digital, standard DTS® is a discrete 5.1-channel system; however, it uses less compression. DTS® Neo:6 derives 6-channel sound from a stereo (2-channel) soundtrack. DTS offers two DTS®-ES™ (Extended Surround) formats: DTS®-ES™ Discrete 6.1, which provides a 6.1-channel system with a discrete back surround channel; and DTS®-ES™ Matrix 6.1, which provides a 6.1-channel system with a matrix-encoded back surround channel. DTS® 96/24 offers you the sound quality of the 96/24 master. This format can be encoded on DVD-Video or in the video zone of DVD-Audio, so it can be played on all DVD players.



Dolby® Digital Formats

Dolby® is recognized as the pioneer in multichannel audio reproduction. Dolby® Digital EX™ creates six full-bandwidth channels from 5.1-channel sources using a matrix decoder that derives three surround channels from the two in the original recording. Dolby® Pro Logic® IIx transforms any native stereo or 5.1 signal into a 6.1- or 7.1- channel output with Movie, Music and Game modes that enable you to tailor your listening experience to the source material. Game mode can deliver fullimpact special effects signals to the surround speakers.



192 kHz/24-Bit Audio DACs

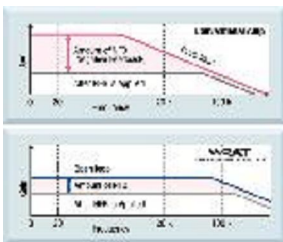


Performing at a full 192 kHz/24-bit level of resolution, these state-of-the-art digital-to-analog converters deliver audio performance that is second to none. They boast a higher dynamic range than standard D/A converters, and are virtually resistant to clock jitter -- which means you'll enjoy the best performance possible from DVD-Audio discs and Super Audio CDs and cleaner sound from your regular DVDs and CDs.



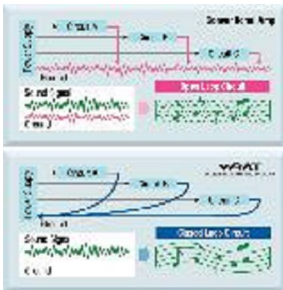
3 Significant Benefits You Get from WRAT

Benefit 1: Uncommonly Low Negative-Feedback Design—so you'll enjoy cleaner sound on programme peaks

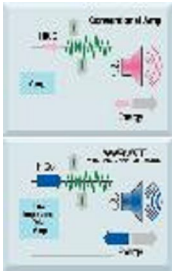


Although NFB (negative feedback) is the most cost-effective way to reduce noise at lower frequencies, there's a sonic price to pay: larger amounts of NFB severely inhibit an amplifier's transient response—the ability to respond to large signal gains (e.g. explosions and musical finales)—and actually distort sound at high frequencies. That's why our engineers use a low negative-feedback design, with audiophile-grade, close-tolerance components at critical points in the signal path, to achieve a frequency response out to 100 kHz. That means you can fully enjoy the sonic benefits from such high-resolution formats as DVD-Audio and Super Audio CD as well as your regular CDs and DVDs.

Benefit 2: Closed Ground-Loop Circuits—so you'll enjoy greater maximum volume without distortion



If an amplifier's ground potential (voltage) fluctuates during playback of movie soundtracks or musical performances, you wind up with unpleasant noise. In an open-loop circuit design, all circuits are connected to the power supply via one loop. If all circuits share the same loop (like on many amplifiers), the noise multiplies exponentially. Onkyo's sophisticated closed-circuit design allows each circuit to go and return directly to the power supply. This cancels any individual circuit noise, and keeps the ground potential free of distortion.



Benefit 3: High Instantaneous-Current Capability—so you'll enjoy film soundtracks with greater impact

Audio signals are very complex. After the amplifier outputs such signals to a speaker, the speaker itself accumulates energy. When the speaker reflexes, it sends energy back to the amplifier. The amplifier must immediately be able to supply a large amount of high current to cancel the speaker's reflex energy, and instantaneously send out the next signal. The same high current is also necessary to handle speaker impedance fluctuations, which on occasion force an amplifier to provide four to six times its usual current load. The instantaneous current capability of even Onkyo's least expensive WRAT receivers is far better than that of most conventional units. This is because competing designs commonly have less than half the current capability. The result? The high-current capability incorporated into all Onkyo receivers means your receiver can deliver movie soundtracks with theatre-like dynamics and clarity—so you'll get the same exciting sonic slam that you experienced in the cinema.



7.1-Channel Input

With the upcoming release of HD-DVD and Blu-ray Disc, Dolby Digital and DTS have prepared audio formats that represent the future of digital audio entertainment. By connecting an HD-DVD or Blu-ray Disc player with the respective high-definition audio codecs to the receiver via its 7.1-multichannel inputs, you will be able to enjoy superior audio quality.



RDS (Radio Data System)

Since 1987, this system has simplified the tuning of programming of an increasing number of radio frequencies. Incorporated into radio receivers, the system selects programs and displays them on the receiver's alpha-numerical display. Also, a microprocessor enables the receiver to determine the transmitter frequency that gives the best quality reception.



RI (Remote Interactive)



Doing More with Your iPod - Through Onkyo's Imaginative Sight and Sound

Simply place your iPod in the DS-A1 Remote Interactive Dock connected to any Onkyo RI-compatible amplifier/receiver to experience the powerfully rich sound of Onkyo audio-video components. Control your music from your RI remote and charge your iPod while you enjoy your iPod's digital music -and photos - through the power of Onkyo's expansive sound, from mini systems to separate components to home theater systems. Unlike purely iPod-dedicated systems, you can fully integrate the convenience and storage capacity of your iPod with all your other Onkyo home entertainment components - and share the experience with everyone.



Component Video Upconversion

As the most advanced interface for transporting both uncompressed highdefinition (HD) video and uncompressed multi-channel audio in all HD formats including 720p, 1080i and 1080p, HDMI has become the most desirable connectivity option for home entertainment. HDMI (version 1.1) inputs will receive pristine video from HDMI-enabled components like DVD players or set-top boxes for a single-cable output to a display device with an HDMI or DVI connection. Also, any S-Video or composite signals will be upconverted to component video.

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- 130 W/Ch, 8 Ω , 1 kHz, IEC
 - THX™ Certified
 - THX™ Surround EX™, DTS®-ES™ Discrete/Matrix, DTS® Neo:6, DTS® 96/24, Dolby® Digital EX™, Dolby® Pro Logic® IIx
 - H.C.P.S. (High Current Power Supply) massive high power transformer
 - 192 kHz/24-bit DACs for all channels
 - HDTV-capable (50 MHz) component video switching (3 inputs/1 output)
 - Component video upconversion with TBC (Time Base Corrector)
 - WRAT (Wide Range Amplifier Technology)
 - 3 S-Video inputs and 2 outputs
 - 4 digital inputs (3 optical/1 coaxial)
 - Subwoofer pre out
 - Optimum gain volume circuitry
 - Advanced 32-bit processing DSP chip
 - Non-scaling configuration
 - Color-coded 7.1 multichannel inputs (ready for Dolby® Digital and DTS® audio formats for high-definition discs)
 - Speaker A/B drive
 - Color-coded dual banana plug-compatible speaker posts (except speaker B) • Crossover adjustment (40/50/60/80/100/120/150/200 Hz)
 - A/V sync control function (up to 100 ms)
 - Compatible with RI Dock for the iPod
 - Preprogrammed RI (Remote Interactive) remote control
 - WHD: 435 x 151 x 377 mm
 - 10.2 kg

HTP-940

7.1-Channel Speaker System



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Features

SKF-940F 2-Way Acoustic-Suspension Front Speakers

- 12 cm A-OMF diaphragm woofer x 2
- 2.5 cm soft-dome tweeter
- Magnetically shielded
- Impedance: 8 Ω
- Frequency response: 50 Hz–45 kHz
- Max. input power: 130 W
- WHD: 158 x 433 x 199 mm
- 5.3 kg

SKC-940C 2-Way Acoustic-Suspension Center Speaker

- 12 cm A-OMF diaphragm woofer x 2
- 2.5 cm soft-dome tweeter
- Magnetically shielded
- Impedance: 8 Ω
- Frequency response: 50 Hz–45 kHz
- Max. input power: 130 W
- WHD: 433 x 158 x 199 mm
- 5.3 kg

SKM-940S/SKB-940 2-Way Acoustic-Suspension Surround/ Surround Back Speakers

- 13 cm A-OMF diaphragm woofer
- 2.5 cm soft-dome tweeter
- Impedance: 8 Ω
- Frequency response: 50 Hz–45 kHz
- Max. input power: 130 W
- WHD: 200 x 275 x 169 mm
- 3.5 kg

SKW-940 Acoustic-Suspension Powered Subwoofer

- Built-in 230 W amplifier
- 30 cm cone woofer
- Auto-standby/On circuitry
- Frequency response: 20 Hz–100 Hz
- WHD: 380 x 444 x 429 mm
- 15.5 kg

* All speakers include color-coded speaker terminals and speaker cable