

# HT-S9100THX

THX® Integrated System Plus™ Certified 7.1-Channel Home Entertainment Receiver/Speaker Package

BLACK



**HDMI** **THX** **dts-HD** **DOLBY** **FAROUDJA** **WRAT** **192kHz/24bit** **AUDYSSEY** **7.1** **RIHD** **Theater-Dimensional**  
 I/S PLUS Master Audio TRUEHD DCDi EDGE WIDE RANGE AMP TECHNOLOGY CH INPUT DYNAMIC EQ

A-OMF **RDS** **RI**

## A THX Certified Package for Awesome Amplification and Precise Processing of Movies, Gaming, Music, and Broadcasting

If you thought our first THX Integrated System Certified receiver/speaker package was a great concept, then this power-packed follow-up will be sure to please. The HT-S9100THX is the first THX I/S Plus Certified system to handle full high-definition processing of 1080p video and the master quality of Dolby® TrueHD and DTS-HD Master Audio™. Whatever input you choose—whether gaming, movies, broadcasts, or music—the HT-S9100THX draws on a reservoir of precise amplification power to create a breathtaking home entertainment experience. With video upscaling, revolutionary audio equalization and acoustic treatment technologies, and integrated control with leading display brands, the HT-S9100THX is a fail-safe solution for most home environments.

### THX® Integrated System Plus™ Certified and THX Processing for Music, Movies, and Gaming

THX Integrated System (I/S) Plus is a new category for home theatre systems that ensures full-blown THX performance and state-of-the-art technologies in an affordable, all-in-one receiver-speaker package. Geared to gamers and budding audiophiles, THX I/S Plus systems are ideal for small home theatres where the screen-to-seat viewing distance is approximately 2.5 meters. All components within the system—the receiver, speakers, and amplifier—are tested by THX to make sure they work harmoniously together. In addition to THX certification, each system comes with THX® Surround EX™, THX listening modes for music, movies, and games; and THX® Loudness Plus™, a new volume-control technology for low-volume listening.

### Processing 1080p Video and High-Def Surround Sound via HDMI™

With the latest version of HDMI and advanced A/V processing capabilities, the HT-S9100THX handles all high-definition media, including Blu-ray Disc and HD broadcasts. You can connect up to four components via HDMI to receive and switch compatible sources for a pure digital connection to an HDTV. Also, all multichannel audio—from bit-for-bit streams to standard Dolby Digital—can be digitally transported to the receiver via HDMI, for onboard processing.

### The Full Range of Next-Generation High-Def Surround-Sound Codecs

The HT-S9100THX's onboard decoding technologies—Dolby TrueHD and DTS-HD Master Audio—enable a lossless, bit-for-bit soundtrack identical to the studio master. Both codecs are designed for the Blu-ray Disc format. The receiver also handles two lossy technologies: Dolby Digital Plus and DTS-HD High Resolution Audio. Dolby Digital Plus has been 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.

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

Versatile video processing is a key component with this package. The HT-S9100THX uses Faroudja DCDi Edge technology to scale video signals and to effectively eliminate video artifacts. 1080p video is processed as it is, but all other signals from component video, S-Video and composite video can be upscaled to 1080i via HDMI. Upscaling takes the video resolution to HD quality, so it can better match the native resolution of today's HD ready displays.

### Correcting Room Distortion and Loudness with Audyssey 2EQ™ and Audyssey Dynamic EQ™

The HT-S9100THX uses Audyssey 2EQ to counter distortion created by walls, furniture, and other objects. This technology detects speaker distance, and then sets levels, delays, and crossovers, while also measuring room acoustics. Compared to one-position room correction systems, Audyssey 2EQ covers a much wider listening area. Moreover, it corrects problems in both frequency response and time domain (where most of the problems lie) across the entire listening area. The results are immediately obvious—a clear, well-balanced, and natural sound.

After 2EQ calibration, Audyssey Dynamic EQ solves the problem of deteriorating sound quality at lower volumes. The professionals who create music and movies do so at reference levels much louder than typical home listening levels. When volume is reduced on a standard home theatre receiver, the bass disappears, voices change, and the surround soundstage becomes less enveloping. As volume is adjusted on the HT-S9100THX, however, Dynamic EQ selects the best possible frequency response and surround levels moment-by-moment, resulting in an ideal listening experience at any volume level.



# HT-S9100THX

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## RIHD (Remote Interactive over HDMI) for System Control\*

You can integrate and control this package with selected HDMI-compatible high-definition displays, DVD and hard-disk recorders, and Blu-ray Disc players. With the included remote control, you can control several functions, including Standby/Volume Command, and Direct Change. RIHD lets you seamlessly integrate the HT-S9100THX with other leading brand-name devices, including those with Panasonic VIERA Link™ or Toshiba REGZA LINK™ capability and selected Sharp displays.

\*Compatibility depends on model.

## Music Optimizer to Support Compressed Digital Music Files

While MP3 or AAC files may sound fine on a portable digital player, the limitations of these compressed files can be exposed when played back through a home entertainment system. Onkyo has designed onboard Music Optimizer technology to improve the quality of compressed audio signals. Compressed music loses a substantial amount of bit information at higher frequencies, so the Music Optimizer technology works to overcome this limitation and enhance audio quality.

## HT-R960 7.1-Channel A/V Surround Home Theatre Receiver

### Advanced Features

- 130 W/Ch, 8 Ω, 1 kHz, 1 Channel Driven, IEC
- THX I/S Plus Certified
- THX® Loudness Plus™, THX® Surround EX™, THX Cinema Mode, THX Music Mode, THX Games Mode
- DTS-HD Master Audio™, DTS-HD High Resolution Audio™, Dolby® TrueHD, Dolby® Digital Plus Decoding
- HDMI™ (Version 1.3a to Support Deep Color™, x.v.Color™, LipSync, Dolby TrueHD, DTS-HD Master Audio, DVD-Audio, Super Audio CD)
- HDMI Audio and Video Processing (1080p; 4 Inputs and 1 Output)
- HDMI Video Upscaling to 1080i\* via Faroudja DCDi Edge™
- RIHD (Remote Interactive over HDMI) for System Control
- Audyssey 2EQ™ to Correct Room Acoustic Problems and to Calibrate Speakers
- Audyssey Dynamic EQ™ for Loudness Correction
- Compatible with RI (Remote Interactive) Dock for the iPod

\*From component video, S-Video, and composite video inputs

### Other Features

- WRAT (Wide Range Amplifier Technology)
- Optimum Gain Volume Circuitry
- 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
- Discrete Power Amplifier Circuitry for All Channels
- HDTV-Capable (720p/1080i) Component Video Switching (2 Inputs and 1 Output)
- 4 Digital Inputs (2 Optical and 2 Coaxial)
- 3 S-Video Inputs and 2 Outputs
- 4 Composite Video Inputs and 2 Outputs
- 4 A/V Inputs and 1 Output
- 2 Audio Inputs and 1 Output
- Music Optimizer for Compressed Music Files
- Theater-Dimensional Virtual Surround Function
- Double Bass Function
- A-form Listening Mode Memory
- Non-Scaling Configuration
- Direct Mode
- Speaker A/B Drive
- Color-Coded Banana Plug-Compatible Speaker Posts (Except Speaker B)
- Crossover Adjustment at 40/50/60/80/100/120/150/200 Hz for Bass Management
- Color-Coded 7.1-Multichannel Inputs
- Subwoofer Pre Out
- A/V Synchronization Function (Up to 100 ms in 20 ms Steps)

- 40 FM/AM Radio Presets
- RDS (PS/RT/PTY/TP)
- Newly Designed GUI for System Set-Up
- Newly Designed Preprogrammed RI (Remote Interactive) Remote Control

## HTP-960 7.1-Channel Home Theatre Speaker System

### SKF-960F

#### 2-Way Acoustic Suspension Front Speakers

- 12 cm A-OMF Diaphragm Woofer x 2
- 2.5 cm Soft-Dome Tweeter
- 130 W Max. Input
- Magnetically Shielded

### SKC-960C

#### 2-Way Acoustic Suspension Center Speaker

- 12 cm A-OMF Diaphragm Woofer x 2
- 2.5 cm Soft-Dome Tweeter
- 130 W Max. Input
- Magnetically Shielded

### SKM-960S/SKB-960

#### 2-Way Acoustic Suspension Surround/Surround Back Speakers

- 13 cm A-OMF Diaphragm Woofer
- 2.5 cm Soft-Dome Tweeter
- 130 W Max. Input

\*All speakers feature 8 Ω impedance, color-coded speaker terminals, and speaker cable.

### SKW-960

#### Acoustic Suspension Powered Subwoofer

- Built-in 290 W Power Amplifier
- 30 cm Cone Woofer
- Auto Standby/On
- Output Level Control

## SPECIFICATIONS

### ■ A/V RECEIVER

#### AMPLIFIER SECTION

##### Power Output

Front L/R	130 W + 130 W (8 Ω, 1 kHz, 1 channel driven, IEC)
Center	130 W (8 Ω, 1 kHz, 1 channel driven, IEC)
Surround L/R	130 W + 130 W (8 Ω, 1 kHz, 1 channel driven, IEC)
Surround Back L/R	130 W + 130 W (8 Ω, 1 kHz, 1 channel driven, IEC)

##### Dynamic Power

	210 W + 210 W (3 Ω, Front)
	180 W + 180 W (4 Ω, Front)
	110 W + 110 W (8 Ω, Front)

##### THD (Total Harmonic Distortion)

0.08 % (Rated Power)

##### Damping Factor

60 (Front, 1 kHz, 8 Ω)

##### Input Sensitivity and Impedance

200 mV/47 kΩ (Line)

##### Output Level and Impedance

200 mV/2.2 kΩ (Rec. out)

##### Frequency Response

5 Hz–100 kHz/±1 dB, -3 dB (Direct mode)

##### Tone Control

±10 dB, 50 Hz (Bass)

±10 dB, 20 kHz (Treble)

##### Signal-to-Noise Ratio

106 dB (Line, IHF-A)

##### Speaker Impedance

8 Ω–16 Ω

### VIDEO SECTION

#### Input Sensitivity/Output Level and Impedance

Video	1.0 Vp-p/75 Ω (Component and S-Video Y)
	0.7 Vp-p/75 Ω (Component Pb/Cb, Pr/Cr)
	0.28 Vp-p/75 Ω (S-Video C)
	1.0 Vp-p/75 Ω (Composite)

#### Component Video Frequency Response

5 Hz–50 MHz

### TUNER SECTION

#### Tuning Frequency Range

FM	87.5 MHz–108 MHz
AM	522 kHz–1,611 kHz

### GENERAL

Power Supply AC 230 V~, 50 Hz

Power Consumption 550 W

Dimensions (W x H x D) 435 x 151 x 377 mm

Weight 10.8 kg

### ■ SPEAKER SYSTEM

#### Speaker Type

Front/Center/ Surround/ Surround Back	2-Way, Acoustic Suspension
Subwoofer	Acoustic Suspension/Powered

#### Drivers

Front/Center	12 cm A-OMF diaphragm woofer x 2, 2.5 cm Soft-dome tweeter
Surround/ Surround Back	13 cm A-OMF diaphragm woofer, 2.5 cm Soft-dome tweeter
Subwoofer	30 cm cone woofer

#### Frequency Response

Front/Center/ Surround/ Surround Back	50 Hz–45 kHz
Subwoofer	20 Hz–100 Hz

#### Output Sound Pressure Level

Front/Center/ Surround/ Surround Back	83 dB/W/m
Subwoofer	81 dB/W/m

#### Max. Input Power

Front/Center/ Surround/ Surround Back	130 W
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#### Max. Output Power

Subwoofer	290 W
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#### Nominal Impedance

Front/Center/ Surround/ Surround Back	8 Ω
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#### Input Sensitivity/Impedance

Subwoofer	330 mV/100 kΩ
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### GENERAL

#### Dimensions (W x H x D)

Front	158 x 433 x 199 mm
Center	433 x 158 x 199 mm
Surround/ Surround Back	200 x 275 x 169 mm
Subwoofer	380 x 444 x 429 mm

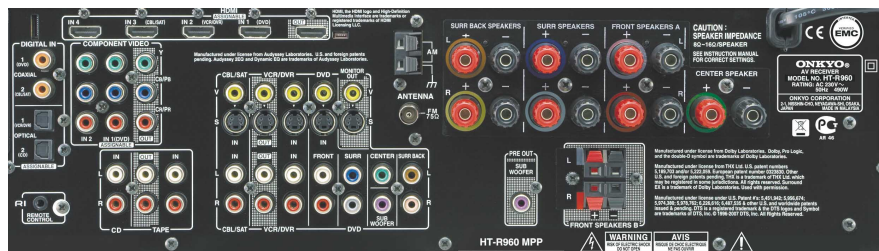
#### Weight

Front/Center/ Surround/ Surround Back	5.3 kg
Subwoofer	3.5 kg
Subwoofer	15.5 kg

### ■ CARTON

#### Dimensions (W x H x D) 748 x 1087 x 513 mm

Weight 63.5 kg



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**ONKYO**  
IMAGINATIVE SIGHT & SOUND

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