

HT-S9700THX 7.1-Channel Network A/V Receiver/Speaker Package



BLACK



Unlock the Power of THX Theater-Reference Entertainment

One of Onkyo's all-time bestsellers gets even better with Dolby Atmos® decoding, 4K/60 Hz video support, Wi-Fi® for Hi-Res network audio, and DSP-enhanced Bluetooth streaming. And all in a convenient, easy-to-use package that's tested and certified by THX to guarantee theater-reference volume and sound quality. Our high-current WRAT system uses a customized massive transformer and extra-large capacitors to drive discrete Three-Stage Inverted Darlington Circuitry on the L/R/C channels. Powerful and controlled amplification serves as a bed for Dolby Atmos, a new audio format that uses object-oriented mixing to unleash overhead sound effects through height channels. Or sit back and let the premium 7.1-channel THX speaker package bring Dolby® TrueHD and DTS-HD Master Audio™ movie soundtracks to life. These quality A-OMF two-way speakers fill rooms with clear, dynamic, and detailed sound, with a huge sealed subwoofer shaking the walls with high-impact bass. Marrying the latest A/V processing and upscaling technology to high-current analog power, the HT-S9700THX lets you escape into your choice of entertainment with a few taps on your smartphone.

HT-R993 7.2-Channel Network A/V Receiver

- 160 W/Ch (6 Ω, 1 kHz, 1% THD, 1 Channel Driven, IEC); 175 W/Ch (6 Ω, 1 kHz, 1 Channel Driven, JEITA)
- THX® I/S Plus™ Certified for Theater-Reference Sound
- Supports Dolby Atmos® Multidimensional Sound Format
- 4K/60 Hz-Capable HDMI® Terminals for Ultra HD Entertainment^{*1}
- Supports HDCP 2.2 for Future 4K/Full HD Video Streaming and Broadcast^{*2}
- 7 HDMI Inputs (1 Front/6 Rear) and 2 Outputs
- Built-in Wi-Fi® Certified Wireless LAN Capability
- Bluetooth Version 2.1 + EDR Capability with Advanced Music Optimizer DSP Technology
- Three-Stage Inverted Darlington Circuitry for Front and Center Channels
- HDMI Video Upscaling to 4K with Qdeo™ Processing Technology by Marvell
- Internet Radio and Music Streaming Subscription Services Included (TuneIn Radio, Pandora®, Spotify, AUPEO!, and Deezer)^{*3}
- Playback Compressed, Lossless, and Hi-Res Audio via Local Network (MP3, WMA, WMA Lossless, FLAC, WAV, Ogg Vorbis, AAC, Apple Lossless, DSD 5.6 MHz, LPCM^{*4}, and Dolby® TrueHD)
- Proprietary AccuEQ Room Calibration with Mic Included
- Advanced Music Optimizer for Compressed Digital Audio Enhancement
- Control and Stream with Free Onkyo Remote Streaming App for iPod touch/iPhone^{*5} and Android Devices^{*6}
- Frontside MHL™ for 1080p Video and Stills from Smartphone and Tablet
- Input Source Preview with InstaPrevue™ Technology
- PM Bass Boost for Deep Bass and Clear Mid-Range

- Powered Zone 2 and Zone 2 Line-Out for Distributed Audio Playback in Another Room
- Bi-Amping Capability for Front Channels
- WRAT (Wide Range Amplifier Technology)
- H.C.P.S. (High Current Power Supply) Massive High Power Transformer, Discrete Output Stage Circuitry, and Optimum Gain Volume Circuitry
- PLL (Phase Locked Loop) Jitter-Cleaning Circuit Technology for S/PDIF Audio
- Dolby Atmos®, Dolby® TrueHD, and DTS-HD Master Audio™ Decoding
- TI Burr-Brown 192 kHz/24-Bit DAC (8 Channels x 1)
- Dual 32-Bit Digital Signal Processing Engines
- 4 DSP Modes for Gaming: Rock, Sports, Action, and RPG
- Direct Mode and Pure Audio Mode
- Mass Storage Class USB Memory Playback Capability
- HDTV-Capable (720p/1080i) Component Video Switching (1 Input and 1 Output)
- 3 Composite Video Inputs and 1 Output
- 3 Digital Audio Inputs (1 Optical and 2 Coaxial)
- 6 Analog Audio Inputs
- Phono Input for Turntable Connection
- 2 Parallel Subwoofer Pre-Outs
- A/V Sync Control (Up to 400 ms in 10 ms Steps at 48 kHz)
- Graphical Overlaid On-Screen Display (OSD) via HDMI with Quick Set-Up and Home Menu
- Hybrid Standby Function with HDMI Passthrough
- Tone Control (Bass/Treble) for Front L/R Channels
- 40 FM/AM Random Presets
- Compatible with RI Dock for iPod/iPhone and AirPlay (DS-A5)
- Preprogrammed RI (Remote Interactive) Remote Control

^{*1} 4K/60 Hz video is supported on HDMI inputs 1/2/3/4, the frontside input, Main Out, and Sub Out. ^{*2} HDCP 2.2 is supported on HDMI Input 3 and Main Out only. ^{*3} Availability of services depends on region. Some services may require a paid subscription and firmware update. Availability of third-party services advertised here is accurate at the time of publication, but may be subject to change without notice. ^{*4} LPCM is supported via DLNA only. ^{*5} Compatible with iPod touch (3rd generation or later) and iPhone 3GS or later. All models require iOS 4.2 or later. ^{*6} Requires Android OS 2.1 or later.

HTP-993 7.1-Channel Home Theater Speaker System

- SKF-980**
2-Way Acoustic-Suspension Front Speakers
- 12 cm A-OMF Diaphragm Woofer x 2
 - 2.5 cm Soft-Dome Tweeter
 - Max. Input Power: 130 W
 - Magnetically Shielded

- SKC-980**
2-Way Acoustic-Suspension Center Speaker
- 12 cm A-OMF Diaphragm Woofer x 2
 - 2.5 cm Soft-Dome Tweeter
 - Max. Input Power: 130 W
 - Magnetically Shielded

- SKR-980/SKB-980**
2-Way Acoustic-Suspension Surround/Surround Back Speakers
- 13 cm A-OMF Diaphragm Woofer
 - 2.5 cm Soft-Dome Tweeter
 - Max. Input Power: 130 W
 - Magnetically Shielded

- SKW-938**
Acoustic-Suspension Powered Subwoofer
- 30 cm Cone
 - Rated Output Power: 125 W (Minimum Continuous Power, 6 Ω, 100 Hz, 1%, IEC)
 - Output Level Control and Auto Standby Function



HT-S9700THX 7.1-Channel Network A/V Receiver/Speaker Package

THX® Integrated System Plus™ Certified

THX Integrated System (I/S) Plus guarantees THX theater-reference sound in an affordable all-in-one package. THX I/S Plus systems are ideal for spaces where the screen-to-seat viewing distance is about 2.5 meters. All components within the system are rigorously tested by THX to make sure they deliver the same low-distortion, high-volume sound you experience in a commercial theater. Listening modes for music, movies, and games are included along with THX® Loudness Plus™.

Ready for Dolby Atmos® Sound

Dolby Atmos is a new audio format that uses object-oriented mixing techniques to layer individual sound elements over a channel-based audio bed, putting sound into motion all around you, even overhead. Content creators mix soundtracks in a 3D space, seamlessly moving the sound above and around the audience. You can experience the full Dolby Atmos effect right out of the box by using the included Surround Back speakers as Front Heights. Alternatively, you can install a pair of in-ceiling speakers or purchase a pair of Dolby Atmos-enabled speaker modules. Once set up, your Dolby Atmos system will immerse you in the film like nothing ever before.

Latest HDMI® for 4K/60 Hz Video and HDCP 2.2

All HDMI terminals except inputs 5/6 feature the latest HDMI specification to support 4K/60 Hz video and 21:9 theater aspect. Now you can add enveloping 7.1-channel surround-sound to next-generation Ultra HD content for a breathtaking entertainment experience. The receiver also supports HDCP 2.2 copy protection standard via HDMI Input 3 and the main output to enable the display of streamed, broadcast, and physical Ultra HD video at native resolution.

High Current Amplification for Power and Control

Wattage is an indication of loudness, not sound quality. The real test is current. High instantaneous current enhances speaker control for accurate and musical audio reproduction. It's the cornerstone of our amplification philosophy—no other receiver can match Onkyo for dynamic driving power.

Wide Range Amp Technology

Best-in-class current capability is achieved with Wide Range Amplifier Technology (WRAT). At its core is a custom high-output transformer and customized capacitors driving Three-Stage Inverted Darlington Circuitry* amplification, which features discrete low-impedance output stage and high-current transistors for instantaneous power and very low distortion. Combined with an eight-channel Burr-Brown DAC and Dual 32-bit DSP Engines, WRAT produces clear and controlled sound for all your audio sources. *Front L/R/C channels only

Factory-Matched and Balanced THX Speaker System

The included speaker system is serious about immersive surround sound. Solid MDF cabinets feature A-OMF diaphragms (layered polyethylene naphthalate and flexible cotton weave material to improve stiffness and heat resistance) for vivid and natural mid-range performance. Where other brands skimp on the surrounds, we include proper two-way speakers with 13 cm A-OMF drivers to ensure you get maximum impact from all directions. Rounding out the package is a high-capacity acoustic-suspension subwoofer fitted with a 30 cm front-firing cone for 125 Watts of wall-shaking bass. Beautifully finished and including detachable cloth grilles for protection, this THX-certified speaker system is the true heavyweight of the HTiB world.

Wi-Fi® and Bluetooth Inside

Wi-Fi and Bluetooth are built in, not costly add-ons. Our free control app puts a range of streaming options at your fingertips, from high-resolution network audio (including 5.6 MHz DSD, Dolby® TrueHD, and gapless 192/24 FLAC and WAV) to the best selection of internet streaming services to your smartphone's music library. Or pair up and enjoy whatever's playing on your Bluetooth-compatible device with huge theater sound. Thanks to Advanced Music Optimizer enhancement, near CD-quality audio is ready in moments.

4K Video Upscaling with Qdeo™ Technology

Video from older gaming consoles and DVD players looks clean and sharp, giving your old favorites a new lease on life. Qdeo™ technology from Marvell automatically upscales low-res video to liquid-smooth 1080p (for HDTV) and 4K (3840 x 2160 pixels) with a compatible UHD display.

MHL™ for Mobile Device Connection

An HDMI/MHL terminal is included to connect smartphones and other devices, allowing you to display 1080p video and other media on your HDTV with 7.1 channels of surround sound.

Fast Switching and Adjustment

If you want to quickly adjust a speaker level, switch DSP modes, or change inputs, the "Q" remote control button does it in seconds by overlaying a transparent graphical menu on screen. You can use InstaPrevue™ technology to preview content playing on any HDMI-connected component—the overlaid video thumbnails make video switching very clear and simple.

AccuEQ Calibration for Pure Audio Performance

Onkyo brings together a number of technologies to enhance stereo and multichannel sound quality. A key ingredient is AccuEQ room calibration. AccuEQ is highly effective yet very simple to use, correcting speaker distances, levels, crossovers, and frequency response from one easy listening position and ensuring clear and cohesive surround-sound. Playback of 7.1-channel formats at 96 kHz without downsampling is also enabled, while for ultimate stereo purity, AccuEQ bypasses the front channels so the natural character of your loudspeakers remains unaltered by DSP correction.

SPECIFICATIONS

A/V RECEIVER

Amplifier Section

Power Output	All Channels	160 W/Ch (6 Ω, 1 kHz, 1% THD, 1 Channel Driven, IEC) 175 W/Ch (6 Ω, 1 kHz, 1 Channel Driven, JEITA)
Dynamic Power		240 W (3 Ω, Front) 210 W (4 Ω, Front) 120 W (8 Ω, Front)
THD+N (Total Harmonic Distortion + Noise)		0.08% (20 Hz–20 kHz, Half Power)
Damping Factor		60 (Front, 1 kHz, 8 Ω)
Input Sensitivity and Impedance		200 mV/47 kΩ (Line) 2.5 mV/47 kΩ (Phono MM)
Rated RCA Output Level and Impedance		200 mV/2.2 kΩ (Line Out)
Maximum RCA Output Level and Impedance		2.0 V/2.2 kΩ (Line Out)
Phono Overload		70 mV (MM, 1 kHz, 0.5%)
Frequency Response		5 Hz–100 kHz/±1 dB, -3 dB (Direct Mode)
Tone Control		±10 dB, 20 kHz (Bass) ±10 dB, 20 kHz (Treble)
Signal-to-Noise Ratio		106 dB (Line, IHF-A) 80 dB (Phono MM, IHF-A)
Speaker Impedance		6 Ω–16 Ω

Video Section

Input Sensitivity/Output Level and Impedance	
Video	1.0 Vp-p/75 Ω (Component Y) 0.7 Vp-p/75 Ω (Component PB/CB, PR/CR) 1.0 Vp-p/75 Ω (Composite)
Component Video Frequency Response	5 Hz–100 MHz/±0 dB, -3 dB

Tuner Section

Tuning Frequency Range	
FM	87.5 MHz–108 MHz
AM	530 kHz–1710 kHz
FM/AM Preset Memory	40 Stations

General

Power Supply	AC 120V~, 60 Hz
Power Consumption	630 W
No-Sound Power Consumption	80 W
Standby Power Consumption	0.1 W
Dimensions (W x H x D)	435 x 173.5 x 329 mm
Weight	10.0 kg

SPEAKER SYSTEM

Speaker Type	
Front	2-Way, Acoustic-Suspension
Center	2-Way, Acoustic-Suspension
Surround	2-Way, Acoustic-Suspension
Surround Back	2-Way, Acoustic-Suspension
Subwoofer	Acoustic-Suspension, Powered
Drivers	
Front	12 cm A-OMF Diaphragm Woofer x 2 2.5 cm Soft-Dome Tweeter
Center	12 cm A-OMF Diaphragm Woofer x 2 2.5 cm Soft-Dome Tweeter
Surround	13 cm A-OMF Diaphragm Woofer 2.5 cm Soft-Dome Tweeter
Surround Back	13 cm A-OMF Diaphragm Woofer 2.5 cm Soft-Dome Tweeter
Subwoofer	30 cm Cone
Frequency Response	
Front	50 Hz–45 kHz
Center	50 Hz–45 kHz
Surround	50 Hz–45 kHz
Surround Back	50 Hz–45 kHz
Subwoofer	20 Hz–100 Hz
Output Sound Pressure Level	
Front	83 dB/W/m
Center	83 dB/W/m
Surround	81 dB/W/m
Surround Back	81 dB/W/m
Max. Input Power	Front/Center/Surround/Surround Back 130 W
Rated Output Power	Subwoofer 125 W (Minimum Continuous Power, 6 Ω, 100 Hz, 1%, IEC)
Nominal Impedance	Front/Center/Surround/Surround Back 8 Ω
Input Sensitivity/Impedance	Subwoofer 280 mV/20 kΩ
General	
Dimensions (W x H x D)	
Front	158 x 433 x 199 mm
Center	433 x 158 x 199 mm
Surround	200 x 275 x 169 mm
Surround Back	200 x 275 x 169 mm
Subwoofer	380 x 444 x 429 mm
Weight	
Front	5.3 kg
Center	5.3 kg
Surround	3.5 kg
Surround Back	3.5 kg
Subwoofer	15.5 kg

CARTON

Dimensions (W x H x D)	748 x 1125 x 513 mm
Weight	62.0 kg

Supplied Accessories

- Indoor FM antenna • AM loop antenna • Speaker setup microphone
- Color-coded speaker cable • Subwoofer cable • Cork spacers
- Instruction manual • Remote controller • AA (R6) batteries x 2

HT-R993



Front View



Rear View

Text on receiver may vary with region.

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