

HT-S580

HOME ENTERTAINMENT 5.1-CHANNEL RECEIVER/SPEAKER PACKAGE

ONKYO
IMAGINATIVE SIGHT & SOUND



A Delightful Mix of Quality, Affordability and Performance

With a deficit of receiver/speaker packages that blend into your home both spatially and audibly—and deliver with the power and accuracy when it's needed most—Onkyo continues to provide with the release of the HT-S580 home entertainment 5.1-channel receiver/speaker package. With the HT-S580 supplying 120 watts per channel into its five channels, most would be satisfied. Look a little deeper and you will find that time-proven technologies, like WRAT (Wide Range Amplifier Technology) and Optimum Gain Volume Circuitry, show that the real power benefit lies in power that can be harnessed without distortion. Also, an H.C.P.S. (High Current Power Supply) transformer ensures there is power on hand for audio peaks and 192 kHz/24-bit DACs preserve the quality of the incoming signal. The 5.1-channel speakers have been designed to complement the receiver's drive power. Once again, quality, affordability and performance win.

Bringing DTS Neo:6 5.1 Decoding for Matrix Surround Sound

DTS Neo:6 is an advanced matrix decoder that takes any two-channel source (including VHS tapes, television broadcasts, CDs and DVDs) and expands it into five or six channels. It also provides separate, optimized modes for stereo music materials and matrix surround motion picture soundtracks. Previously, DTS Neo:6 was only available as part of DTS-ES (6.1 and above systems), and no DTS system existed for 5.1-channel systems. DTS have introduced DTS Neo:6 5.1, which like Dolby Digital's Pro Logic II, brings you a more revealing sound from ordinary stereo and a more expansive home cinema experience.

Optimum Gain Volume Circuitry

Conventional volume attenuation methods must initially drop a signal close to the noise floor at low volumes. Even though the signal is only tainted with a little noise, the amount increases when the signal is amplified. Onkyo's Optimum Gain Volume Circuitry adjusts the gain so that less than half the amount of attenuation is necessary. This signal never comes close to the noise floor, and thereby eliminates the possibility of noise contamination that plagues conventional volume-attenuation designs.

Low Profile 5.1 Speaker Package with Consistent Performance

Designed to "fit" your living space—not take it over—the HT-S580's speaker package sounds exceptional, especially with the clean power. All front and center speakers are magnetically shielded to avoid any distortion of your TV's picture. Also, the subwoofer's long throw cone woofer will project your bass over a longer distance giving you greater speaker layout options in larger rooms and absorbing low frequency capabilities in smaller rooms.

192 kHz/24-Bit DACs for All Channels

The HT-S580 incorporates 192 kHz/24-bit DACs for all channels. You can expect these DACs to give you a comparable audio quality to separate components. With a much higher resolution than the incoming signal, the DACs enable the receiver to generate a more accurate audio playback. Also, the DAC's 128x oversampling rate optimizes the signal-to-noise ratio and increases clock jitter tolerance. You'll be hard pressed to find equivalent performance from lower quality converters.

CinemaFILTER

The tonal balance of a film soundtrack will be edgy and "bright" when played back over audio equipment in your home. This is because film soundtracks are designed to be played back in large theaters using different equipment. Onkyo's CinemaFILTER restores the correct tonal balance for watching a movie soundtrack in your smaller home theater.

RI (Remote Interactive) Remote Control with OptiResponse Equalizer Function

Onkyo's RI (Remote Interactive) remote system simplifies control over the HT-S580 and other connected Onkyo components. When connected with other RI-compatible components, you have operability from the HT-S580's remote controller. Also, you can now fully optimize audio performance with the remote controller's OR-EQ (OptiResponse Equalizer) function. At the press of the OR-EQ button, you can boost the low-and high-end frequencies of movies and music without having to increase volume.

HT-S580

HOME ENTERTAINMENT 5.1-CHANNEL RECEIVER/SPEAKER PACKAGE

HT-R330 [5.1-Channel Receiver]

- 120 watts per channel minimum into 8 ohms at 1 kHz, JEITA
- DTS, DTS Neo:6 5.1, Dolby Digital, Dolby Pro Logic II
- 192 kHz/24-bit DACs for all channels
- H.C.P.S. (High Current Power Supply) massive isolated transformer
- WRAT (Wide Range Amplifier Technology)
- Optimum Gain Volume Control Circuitry
- A-form listening mode memory
- Non-scaling configuration
- OptiResponse equalizer (OR-EQ) function
- CinemaFILTER
- Advanced 32-bit DSP chip
- Color-coded 5.1-multichannel inputs for DVD-Audio and Super Audio CD
- 2 digital inputs (1 optical/1 coaxial)
- 4 composite video inputs and 2 outputs
- 2 audio and 4 A/V inputs
- Color-coded speaker terminals
- RI (Remote Interactive) remote control



HT-R330 (front)



RI (Remote Interactive) remote



HT-R330 (rear)

HTP-330 [Speaker Package]

SKF-330F 2-Way Bass Reflex Front Speakers

- 8 cm cone woofer
- 2 cm ceramic tweeter
- 100 watts max. input
- Magnetically shielded

SKC-330C 2-Way Bass Reflex Center Speaker

- 8 cm cone woofer x 2
- 2 cm ceramic tweeter
- 100 watts max. input
- Magnetically shielded

SKM-330S 2-Way Bass Reflex Surround Speakers

- 8 cm cone woofer
- 2 cm ceramic tweeter
- 100 watts max. input

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

SKW-330 Bass Reflex Subwoofer

- 20 cm cone woofer
- Down firing
- 100 watts max. input
- Color-coded speaker terminals and speaker cables



HTP-330 (Speaker Package)

SPECIFICATIONS

RECEIVER SECTION

AMPLIFIER SECTION

Power Output

Front L/R.....	120 W + 120 W (8 Ω, 1 kHz, JEITA)
Center.....	120 W (8 Ω, 1 kHz, JEITA)
Surround L/R.....	120 W + 120 W (8 Ω, 1 kHz, JEITA)

Dynamic Power

.....	230 W + 230 W (3 Ω, Front)
.....	170 W + 170 W (4 Ω, Front)
.....	115 W + 115 W (8 Ω, Front)

THD (Total Harmonic Distortion)

.....	0.08 % (Rated Power)
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Damping Factor

.....	60 (Front, 1 kHz, 8 Ω)
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Input Sensitivity and Impedance

Line.....	200 mV/47 kΩ (CD, Tape, etc.)
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Output Level and Impedance

Rec out.....	200 mV/470 Ω (Tape, Video 1)
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Frequency Response

.....	10 Hz-100 kHz/+1 dB, -3 dB (Direct mode)
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Tone Control

.....	± 10 dB, 50 Hz (BASS)
.....	± 10 dB, 20 kHz (TREBLE)

Signal-to-Noise Ratio

.....	100 dB (LINE, IHF-A)
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Speaker Impedance

.....	8 Ω-16 Ω
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VIDEO SECTION

Input Sensitivity/Output Level and Impedance

Video.....	1.0 Vp-p/75 Ω (Composite)
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TUNER SECTION

[FM]

Tuning Frequency Range..... 87.5 MHz-108.0 MHz

Usable Sensitivity

FM Stereo..... 17.2 dBf, 2.0 μV (75 Ω IHF)

FM Mono..... 11.2 dBf, 1.0 μV (75 Ω IHF)

Signal-to-Noise Ratio

FM Stereo..... 70 dB (IHF-A)

FM Mono..... 76 dB (IHF-A)

Total Harmonic Distortion

FM Stereo..... 0.3 %

FM Mono..... 0.2 %

FM Stereo Separation..... 45 dB at 1 kHz

[AM]

Tuning Frequency Range..... 530/522 kHz-1,710/1,611 kHz

Usable Sensitivity

AM..... 30 μV

Signal-to-Noise Ratio

AM..... 40 dB

Total Harmonic Distortion

AM..... 0.7 %

GENERAL

Power Supply..... AC 120/220-240 V, 50/60 Hz

Power Consumption..... 380 W

Stand-by Power Consumption..... 0.5 W

Dimensions (W x H x D)..... 435 x 150 x 369 mm

Weight..... 9.6 kg

SPEAKER SECTION

Speaker Type

Front/Center/Surround..... 2-Way, Bass Reflex

Subwoofer..... Bass Reflex Passive

Drivers

Front/Surround..... 8 cm Cone (woofer), 2 cm Ceramic (tweeter)

Center..... 8 cm Cone (woofer) x 2, 2 cm Ceramic (tweeter)

Subwoofer..... 20 cm Cone

Frequency Response

Front/Center/Surround..... 80 Hz-22 kHz

Subwoofer..... 30 Hz-150 Hz

Output Sound Pressure Level

Front..... 83 dB/W/m

Center..... 86 dB/W/m

Surround..... 82 dB/W/m

Subwoofer..... 84 dB/W/m

Max. Input Power

Front/Center/Surround/Subwoofer..... 100 W

Nominal Impedance

Front/Center/Surround..... 8 Ω

Subwoofer..... 8 Ω

GENERAL

Dimensions (W x H x D)

Front..... 148 x 202 x 101 mm

Center..... 360 x 127 x 131 mm

Surround..... 148 x 202 x 101 mm

Subwoofer..... 230 x 435 x 392 mm

Weight

Front..... 0.9 kg

Center..... 1.6 kg

Surround..... 0.7 kg

Subwoofer..... 7.8 kg

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