

DENON

A/V Surround Amplifier

## AVC-A11SR

## World's First 7-channel A/V Surround Amplifier with DTS-ES Discrete 6.1 + THX Post Processing

The AVC-A11SR is the first 7-channel A/V surround amplifier in the world to offer both DTS-ES Discrete 6.1 as well as THX Post Processing in a single unit. In another world's first, the AVC-A11SR lets you enjoy 96/24 PCM, and Dolby Digital 2-channel sources in Dolby Pro Logic II mode or DTS NEO:6 mode. You can surround yourself with multi-channel sound in the mode you like best. The AVC-A11SR owes much of its chassis design to its more technologically advanced, critically acclaimed sibling, the AVC-A1SE. This high-end approach virtually eliminates the mutual interference from the various circuits to ensure that you experience all the delicate nuances of pure audio sound, as well as the clearest and most dynamic realism that is Denon home theater entertainment.



#### ■ THX Ultra Certified 7-channel High Power Amplifier

Front ..... 125 W + 125 W (8 ohms, 20Hz - 20kHz, 0.05 % THD)  
 Center..... 125 W (8 ohms, 20Hz - 20kHz, 0.05 % THD)  
 Surround..... 125 W + 125 W (8 ohms, 20Hz - 20kHz, 0.05 % THD)  
 Surround back. 125 W + 125 W (8 ohms, 20Hz - 20kHz, 0.05 % THD)

The AVC-A11SR proudly bears the THX Ultra logo, certifying that it satisfies the strict standards of Lucasfilm, Inc., governing performance, features, sound quality, power, stability into low-impedance speaker loads (3.2 ohms and higher), and ease of operation.

#### ■ High-quality Pure Audio Chassis Construction

Unwanted vibration is minimized by placing the power transformer near the center of the unit, the digital circuitry beneath the center, and the power amp circuits on the left and right sides. By also separating the analog circuit and video circuit sections, mutual interference among all the circuits is eliminated. This chassis design is well suited to the faithful reproduction of all types of sources, from the delicate purity of 2-channel stereo music recordings to the high-quality multi-channel soundtracks of DVD-Audio and the dynamic realism of sound and picture signals from DVD-Video programs.

#### ■ DDSC-Digital, for High-quality Sound Reproduction

DDSC-Digital is a circuit configuration specially designed by DENON in which all the elements of the surround processor are optimized by the use of selected high performance discrete elements, including separate A/D and D/A conversion, with sophisticated dual DSP surround decoding.

##### 1. 24-bit Analog To Digital Conversion

##### 2. Analog Devices SHARC Dual 32-bit Floating Point DSPs

##### 3. 96 kHz, 24-bit D/A Converters

#### ■ DENON's latest surround technology faithfully recreates the complex sound effects produced at the dubbing stage.

#### 1. World's first DTS-ES Discrete 6.1 + THX Post Processing

By adding THX Post Processing to the localized sound and spatial expression of DTS-ES Discrete 6.1, your listening room is almost completely transformed into a full-featured cinema.

#### 2. DTS-ES Matrix 6.1 decoding

#### 3. DTS NEO:6 decoding

DTS NEO:6 lets you enjoy 2-channel analog, PCM, and Dolby Digital 2-channel sources in full 6.1-channel surround sound.

#### 4. Dolby Digital decoding

#### 5. Dolby Pro Logic II decoding

With the AVC-A11SR, you can use Dolby Pro Logic II to do more than just enjoy your 2-channel analog, PCM, and Dolby Digital 2-channel sources in surround sound ambience. For the first time in the world, you can also add the soundfield effects of THX Post Processing to Dolby Pro Logic II in Movie mode (\*) to brilliantly enhance the excitement of 2-channel A/V sources.

#### 6. THX Surround EX decoding

#### ■ World's first DTS 96/24 5.1 Decoding for DVD-Video

High-quality 96-kHz, 24-bit (96/24) sound playback from ordinary DVD-Video recordings is limited to only two channels and there are also limitations on the picture. DVD-Video recorded in DTS 96/24, however, allows high-quality 5.1-channel sound playback in full-quality, full-motion video. DTS 96/24 lets you enjoy both digital output and video output from your existing DVD player. Denon's AVC-A11SR A/V amplifier is the first in the world to come equipped with a DTS 96/24 decoder.

#### ■ AL 24 Processing

The AVC-A11SR includes Denon's renowned 24-bit ALPHA processing technology that reproduces digital signals in a waveform with the smoothness of analog signals. This technology thoroughly suppresses annoying quantization distortion and faithfully reproduces the delicate musical details of low-level signals. AL 24 processing works in 2-channel Stereo, Direct, Pure Direct modes.

**■ Pure Direct Mode, to Deliver Pure Audio Quality**

In addition to surround sound playback, the AVC-A11SR lets you enjoy pure 2-channel stereo sound as well through its Pure Direct mode. In Pure Direct Mode, while listening to digital sources, power to the video circuitry and the front panel display is turned off, and with analog source inputs, power to the digital circuitry is also automatically turned off.

**■ Digital-to-Analog Recording**

The AVC-A11SR lets you make analog recordings from digital signal sources.

**■ Adjustable Cross-Over Switching**

The AVC-A11SR supports subwoofer cross-over switching with a choice of 5 cross-over frequencies: 40, 60, 80, 100, and 120. This lets you more accurately match the performance characteristics of the subwoofer to the main speaker system.

**■ Wide-Range Play Capability for DVD-Audio or SACD**

**■ 8-Channel Input For DVD-Audio or SACD**

**■ Surround A/B Speaker Switching**

**■ Support for Multi Zone Configurations**

With the AVC-A11SR's Multi Zone Output and Select functions, you can output different program sources to multiple zones. Sources can be selected for output to 1 additional zone besides the main room (or home theater). This zone, Multiroom Zone 1, can have variable pre-amp output along with 1 set audio(L/R) feed. In addition, the remote controller can be used to select the source and adjust the volume.

**■ Personal Memory Plus**

**■ On Screen Display**

**■ RS-232C Port (Third-party system controls only)**

**■ Easy Operation with Programmable Remote Controller**

- LCD
- System Call
- Preset Memory

**■ Other Features**

- Cinema Equalizer
- Music Surround Modes Including 7/5-Channel Stereo
- Component Video Inputs/Output, 50 MHz Bandwidth (3 inputs, 1 output)
- Tone Control

**Input/Output Terminals For Every A/V System**

**■ Audio Inputs**

12 Analog Inputs .....	PHONO, CD, TUNER, DVD, VDP, TV, DBS/SAT, VCR-1, VCR-2, VCR-3, V.AUX, CDR/TAPE
8-ch Analog EXT. Input .....	FRONT L/R, CENTER, SURROUND L/R, SURROUND BACK L/R, SUBWOOFER
5 Digital (Optical) Inputs .....	OPTICAL x 5
3 Digital (Coaxial) Inputs .....	COAXIAL x 3

**■ Audio Outputs**

8 Analog PRE Outputs .....	FRONT L/R, CENTER, SURROUND L/R, SURROUND BACK L/R, SUBWOOFER,
4 Analog REC Outputs .....	VCR-1, VCR-2, VCR-3, CDR/TAPE
1 Analog Multi Zone Output .....	L/R
2 Digital (Optical) Outputs .....	OPTICAL x 2

**■ Video Inputs**

3 Component Video Inputs .....	DVD, TV, DBS/SAT
8 Composite Inputs .....	DVD, VDP, TV, DBS/SAT, VCR-1, VCR-2, VCR-3, V.AUX
8 S-Video Inputs .....	DVD, VDP, TV, DBS/SAT, VCR-1, VCR-2, VCR-3, V.AUX

**■ Video Outputs**

1 Component Video Output .....	MONITOR
5 Composite Outputs .....	VCR-1, VCR-2, VCR-3, MONITOR-1, MONITOR-2
5 S-Video Outputs .....	VCR-1, VCR-2, VCR-3, MONITOR-1, MONITOR-2

**Specifications**

**■ Power Amplifier Section**

Rated output	*THD figures are power amp stage values.	
Front .....	125 W + 125 W	(8 ohms, 20Hz - 20kHz, 0.05 % THD)
Center .....	125 W	(8 ohms, 20Hz - 20kHz, 0.05 % THD)
Surround .....	125 W + 125 W	(8 ohms, 20Hz - 20kHz, 0.05 % THD)
Surround back .....	125 W + 125 W	(8 ohms, 20Hz - 20kHz, 0.05 % THD)

**■ Preamplifier Section**

Input sensitivity/impedance	
PHONO(MM) .....	2.5 mV/47 kohms
CD, TUNER, DVD, VDP, TV, DBS/SAT, VCR-1, VCR-2, VCR-3, V.AUX, CDR/TAPE, FRONT L/R, CENTER, SURROUND L/R, SURROUND BACK SUBWOOFER .....	200 mV/47 kohms
Output level/Load impedance	
FRONT L/R, CENTER, SURROUND L/R, SURROUND BACK L/R, SUBWOOFER MULTI ZONE L/R .....	1.2 V/10 kohms
VCR-1, VCR-2, VCR-3, V.AUX, CDR/TAPE .....	200 mV/47 kohms
Frequency response .....	10 Hz - 100 kHz; +0, -3 dB (DIRECT MODE)
Signal-to-noise ratio .....	110 dB (DIRECT MODE)
RIAA deviation .....	±1 dB (20 Hz - 20 kHz)
Tone control .....	Treble: ±10 dB at 10 kHz, Bass: ±10 dB at 100 Hz

**■ General**

Power supply .....	AC 230 V, 50 Hz
Power consumption .....	600 W
Dimensions .....	434 (W) x 179 (H) x 485 (D) mm
Weight .....	20.5 kg

\*Black version is available.



(\*1) Note on Movie mode:  
On DENON A/V receivers, this Movie mode is displayed as "MODE CINEMA".

\*Design and specifications are subject to change without notice.  
\*THX is a registered trademark of Lucasfilm Ltd.  
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\*\*"Dolby", "Dolby Digital", "Pro Logic II", and the double-D device are registered trademarks of Dolby Laboratories Licensing Corporation.  
\*\*\*DTS, "DTS 96/24", "DTS-ES Extended Surround" and "Neo6" are trademarks of Digital Theater System, Inc.