

A/V Surround Receiver

DENON

AVR-1082

## DTS-ES Discrete 6.1 and Dolby Pro Logic II with 7 Power Amps and Multi-room Flexibility

The AVR-1082 provides two power amps for the Surround Back channels for a total of 7 fully-discrete amps of equal power. This powerful configuration lets you take maximum advantage of the dynamic performance that today's DTS-ES, Dolby Digital EX, DVD-Audio, and SACD program sources offer. The Dolby Pro Logic II features lets you hear 2-channel stereo sources in realistic 5.1-channel surround sound. The AVR-1082 includes Multi Zone Output and Power Amp Assign functions that let you output different sources to more than one room.



### ■ Fully Discrete, Equal Power Seven Amplifier Channels

Front .....	150 W + 150 W	(6 ohms, 1 kHz, 0.7 % THD)
Center.....	150 W	(6 ohms, 1 kHz, 0.7 % THD)
Surround.....	150 W + 150 W	(6 ohms, 1 kHz, 0.7 % THD)
Surround back ...	150 W + 150 W	(6 ohms, 1 kHz, 0.7 % THD)

The AVR-1082 features an equal power 7-channel amplifier section, with identical amplifier design on all 7 channels, with high current discrete output devices on all channels. Each of the 7 amplifier channels is rated at 150 watts, into 6 ohms.

### ■ Hefty Power Transformer for Stable Supply of Power

A huge power transformer has been connected in the power section where it is combined with a rectifier diode and a large block capacitor to ensure a large, stable supply of electrical current. Accordingly, the AVR-1082 boasts high output power of 150 W for each of the 7 channels.

### ■ High Power Custom Transistor

When temperatures rise or fall inside the unit, bias current values supplied to the power transistor tend to fluctuate, causing sound quality to deteriorate. The high power custom transistor used in the AVR-1082 ensures that the bias current is constantly uniform so that the sound you hear is of consistently stable, high quality.

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

Featuring the Analog Devices SHARC 32-bit floating point DSP processor, DENON's DDSC-D circuitry faithfully recreates all the nuances of the original performance. Compared to ordinary 24-bit fixed point DSP processors, the Analog Devices SHARC 32-bit floating point DSP processor features greatly increased computational dynamic range for superior reproduction of stereo and multi-channel digital program sources.

### ■ Featuring DTS-ES Discrete 6.1 Decoding

The AVR-1082 is equipped with the DTS-ES (true discrete) 6.1 decoder, developed by DTS to provide dramatically improved surround sound panoramic reproduction and superior surround sound localization.

### ■ Supports DTS-ES Matrix 6.1 Decoding

### ■ Supports DTS NEO:6 Surround Decoding

### ■ Featuring Dolby Pro Logic II Decoding

Enjoy 2-channel stereo recordings in stunning 5.1-channel surround playback. The Dolby Pro Logic II decoder reproduces dynamic 5.1-channel surround sound not only from normal 5.1-channel DVD but from 2-channel sources such as videos and CDs, too. Dolby Pro Logic II uses matrix decoding technology that has been dramatically improved over Pro Logic. With Pro Logic II, for instance, the Surround (Rear) channels are in stereo (only mono with Pro Logic) and playback covers the full frequency range (only up to 7 kHz with Pro Logic). These improvements let you enjoy a wide variety of 2-channel sources with the exciting effects of 5.1-channel surround sound. In Dolby Pro Logic II, there is a Movie mode that creates a sound space suitable for movies, a Music mode that does the same for music, and a Pro Logic emulation feature that reproduces sound effects in the way that conventional Pro Logic does.

### ■ Dolby Digital Decoding

### ■ 96 kHz, 24-bit Audio D/A Converters

### ■ Adjustable Cross-Over Switching

The AVR-1082 supports subwoofer cross-over switching with a choice of 3 cross-over frequencies: 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

The AVR-1082 provides a Multi Zone Output function and a Select function that let you output different sources to multiple zones. Sources can be selected for output to up to 1 additional zone, in addition to the main room. Multi-room Zone can have variable pre-amp output.

The AVR-1082's Power Amplifier Assign function lets you assign the 2 Surround Back (SB L/R) amplifier channels to instead drive the Multi-room Zone powered speaker outputs, with 110 Watts per channel power output capability, while still providing 5 full amplifier channels to drive the main and surround speakers in the home theater room.

### ■ Personal Memory Plus

### ■ On Screen Display

### ■ Easy Operation with Programmable Remote Controller

#### • Dot Matrix LCD (10 characters)

Since the LC display on the remote controller is a dot matrix type, the characters are easier to read, and up to 10 characters can be displayed at any one time.

#### • System Call

System Call function to execute up to 29 successive pre-assigned commands at the single touch of a button.

#### • Preset Memory (Over 100 Built-in Codes)

Since the remote controller is preprogrammed with more than 100 remote control codes, you can use the AVR-1082's remote controller to operate not only DENON equipment but components made by other manufacturers as well. (Some components may not be supported by Preset Memory.)

#### • Back light

### ■ Frequency Synthesis Tuning

#### • 40-station AM/FM Random Preset Memory Tuning

#### • Auto Preset Memory

### ■ Other Features

#### • Cinema Equalizer

#### • Music Surround Modes Including 7/5-Channel Stereo

#### • "S" and Composite Video Switching

#### • Component Video Switching (2 inputs, 1 output)

#### • Tone Control

### Input/Output Terminals For Every AV System

#### ■ Audio Inputs

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

#### ■ Audio Outputs

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

#### ■ Video Inputs

2 Sets Component Video Input.....	DVD, TV/DBS
3 Sets Composite Input .....	DVD, VDP, TV/DBS, VCR-1, VCR-2/V.AUX
5 Sets S-Video Input .....	DVD, VDP, TV/DBS, VCR-1, VCR-2/V.AUX

#### ■ Video Outputs

1 Set Component Video Output .....	MONITOR
3 Sets Composite Output .....	VCR-1, VCR-2/V.AUX, MONITOR
3 Sets S-Video Output .....	VCR-1, VCR-2/V.AUX, MONITOR

### Specifications

#### ■ Power Amplifier Section

Rated output	*THD figures are power amp stage values.	
Front .....	150 W + 150 W	(6 ohms, 1 kHz, 0.7 % THD)
	110 W + 110 W	(8 ohms, 20Hz - 20kHz, 0.05 % THD)
Center .....	150 W	(6 ohms, 1 kHz, 0.7 % THD)
	110 W	(8 ohms, 20Hz - 20kHz, 0.05 % THD)
Surround.....	150 W + 150 W	(6 ohms, 1 kHz, 0.7 % THD)
	110 W + 110 W	(8 ohms, 20Hz - 20kHz, 0.05 % THD)
Surround back.....	150 W + 150 W	(6 ohms, 1 kHz, 0.7 % THD)
	110 W + 110 W	(8 ohms, 20Hz - 20kHz, 0.05 % THD)

#### ■ Preamplifier Section

Input sensitivity/impedance	
PHONO(MM) .....	2.5 mV/47 kohms
CD, DVD, VDP, TV/DBS, VCR-1, VCR-2/V.AUX, CDR/TAPE	
FRONT L/R, CENTER, SURROUND L/R, SURROUND BACK.....	200 mV/47 kohms
SUBWOOFER.....	200 mV/15 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/V.AUX,	
CDR/TAPE .....	200 mV/47 kohms
Frequency response.....	10 Hz - 100 kHz; +0, -3 dB
Signal-to-noise ratio .....	102 dB
RIAA deviation.....	±1 dB (20 Hz - 20 kHz)
Tone control .....	Treble: ±10 dB at 10 kHz, Bass: ±10 dB at 100 Hz

#### ■ FM Section

Tuning frequency range.....	87.5 - 107.9 MHz
Usable sensitivity.....	1.0 μV (11.2 dBf)

#### ■ AM Section

Tuning frequency range .....	522 - 1710 kHz
Usable sensitivity.....	18 μV

#### ■ General

Power supply .....	AC 120 V, 60 Hz
Power consumption.....	7.1 A
Dimensions.....	434 (W) x 171 (H) x 416 (D) mm
	17.1" (W) x 6.7" (H) x 16.4" (D)
Weight .....	16.5 kg, 36.4 lbs



\*Design and specifications are subject to change without notice.  
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 "DTS", "DTS-ES Extended Surround" and "Neo:6" are trademarks of Digital Theater System, Inc.

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