



The First Name  
In Digital Audio

# A/V SURROUND RECEIVER Dolby Digital AC-3 Ready

# AVR-1100

## Full Discrete 5-channel Equal Power Amplifier with 6-ch External Decoder Input

The AVR-1100 A/V surround receiver provides 6-ch External Decoder Input for Dolby Digital AC-3 or DTS multi-channel digital formats. This model includes the Equal Power feature which brings out the full sonic potential of Dolby Digital AC-3 5.1 channel sources such as DVD. To further support high power output and transparent sound, a full discrete 5-channel amplifier design has been incorporated in the circuitry that takes maximum advantage of Equal Power in 5 channels.



Dolby Pro Logic Surround Circuit / Full Discrete 5-channel Equal Power Amplifier / 6-ch External Decoder Input for Dolby Digital AC-3 / DDSC-A (Dynamic Discrete Surround Circuit - A)





## Full Discrete 5-channel Equal Power Amplifier

The AVR-1100 offers full discrete 5-channel power amplifier to support the dynamic performance of the Dolby Digital AC-3 sound signal from DVD. All channels have equal power output---55 watts per channel and are configured as independent monaural amplifiers. This construction enables these models to produce a dynamic realism through their high-current capability and to recreate a nuanced surround sound effect via superior channel separation.

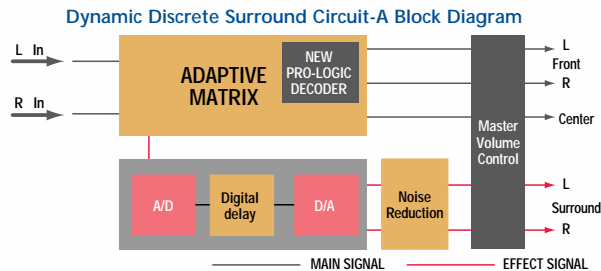
## 6-channel External Decoder Input

The AVR-1100 is equipped with a 6-ch external decoder input. You can connect an external Dolby Digital AC-3 decoder, or a DVD player which already includes the Dolby digital AC-3 decoder. Or you can use this input to accommodate a high quality multi-channel format like DTS or MPEG.

## Dynamic Discrete Surround Circuit-A

The Dynamic Discrete Surround Circuit-A (DDSC-A) is a technology advancement delivering greater clarity and fidelity during surround sound playback.

It prevents mutual interference among circuits and improves overall sound quality. With DDSC-A, the main signals of the Front and Center channels are processed in their original analog form in order to preserve the high dynamic range of the sound. The Effect signals for the Surround (Rear) channels are processed digitally. Both analog and digital sections have been completely separated to ensure clear sound and surround channel steering.



## Functions for Easy Operation

### Personal Memory Plus System Remote Controller

The AVR-1100's Remote Controller will operate any DENON CD player and cassette deck you have connected to the unit. In addition, the pre-memory function contains most of the commands needed to operate a non-DENON VDP, TV and VCR.

Just enter the name of the manufacturer, and the controller is ready for use.

The buttons on the remote controller are fashioned such that different shapes and colors provide quick recognition for easy operation.

### Subwoofer Level Control in 6-channel Mode Last Function Memory Power On/Off Switching by Remote Controller

## Frequency Synthesis Tuning

40-Station AM/FM Random Preset Memory Tuning / Auto Preset Memory (FM only)  
Last-Channel-Tuned Memory

## Other Features

### Video Select Function

The AVR-1100's Video Select function lets you select a video signal independently of the selected audio source.

PRE OUT terminals for Mono (subwoofer) / A-B speaker switching / Binding-type speaker terminals (front)

2 Surround Modes (CONCERT HALL, LIVE) / Video Select / Tone Control / Large, Easy-to-Read FL Display

## Input/Output Terminals for Every A/V System

### Audio Inputs/Outputs

7 Analog inputs  
PHONO, CD, TUNER, DVD/TV, VCR, DAT/TAPE  
and 6-channel External Decoder Input  
2 Analog PRE OUT Terminals  
VCR, DAT/TAPE  
1 Analog REC OUT Terminal  
SUBWOOFER

### Video Inputs

2 Video inputs  
VCR, DVD/TV  
2 Video outputs  
VCR, MONITOR



# Specifications

## AVR-1100

<b>Power Amplifier Section</b>	Same quality amplifier for all 5-channel
<b>Rated output</b>	* THD figures are power amp stage values.
Front	55 W + 55 W (8 ohms, 20Hz - 20 kHz, THD 0.08%)
Center	55 W (8 ohms, 20Hz - 20 kHz, THD 0.08%)
Surround	55 W + 55 W (8 ohms, 20Hz - 20 kHz, THD 0.08%)
Dynamic Power	- - -

<b>Preamplifier Section</b>	
<b>Input sensitivity/ Impedance</b>	PHONO (MM) : 2.5 mV/ 47 kohms CD, DVD/ TV, VCR, DAT/ TAPE, 6-ch EXT. : 200 mV/ 47 kohms
<b>Output level/Load Impedance</b>	SUB WOOFER : 1.2 V/ 10 kohms VCR, DAT/ TAPE : 150 mV/ 47 kohms
<b>Digital Input</b>	Optical Coaxial RF
<b>Digital Output</b>	
<b>RIAA deviation</b>	±1 dB (20 Hz - 20 kHz)
<b>Signal-to-noise ratio (A-weighting)</b>	96 dB
<b>Tone control</b>	Treble : ± 10 dB at 10 kHz Bass : ± 10 dB at 100 Hz

<b>Video Section</b>	
<b>Input Terminal</b>	Composite S-Video
	DVD/ TV, VCR : 1 Vp-p / 75 ohms
<b>Output Terminal</b>	Composite S-Video
	VCR, MONITOR : 1 Vp-p / 75 ohms

<b>FM Section</b>	
<b>Tuning frequency range</b>	87.5 - 107.9 MHz
<b>Usable sensitivity</b>	1.0 µV (11.2 dBf)
<b>S/N 50 dB sensitivity (µV at 75 ohms)</b>	Mono : 1.6 µV (15.3 dBf) Stereo : 23 µV (38.5 dBf)
<b>Signal-to-noise ratio (A-weighting)</b>	Mono : 80 dB, Stereo: 75 dB
<b>Total harmonic distortion</b>	Mono : 0.15%, Stereo: 0.3%

<b>AM Section</b>	
<b>Tuning frequency range</b>	520 - 1710 kHz
<b>Usable sensitivity</b>	18 µV
<b>Signal-to-noise ratio</b>	50 dB

<b>General</b>	
<b>Power supply, Power consumption</b>	AC 120 V, 60 Hz, 3.0 A
<b>Dimensions, Weight</b>	434 (W) x 142 (H) x 315 (D) mm, 8.0 kg, 17.6 lbs. 17.1" (W) x 5.6" (H) x 12.4" (D)