



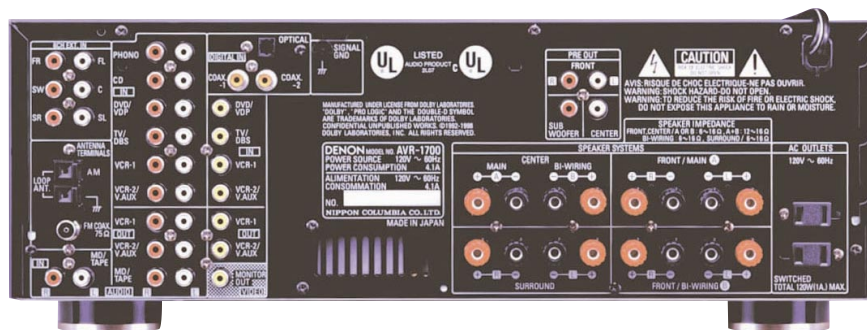
The First Name
In Digital Audio

A/V SURROUND RECEIVER Dolby Digital AC-3

AVR-1700

Dolby Digital AC-3 and Full Discrete 350 watts Amplifiers

The AVR-1700 is an A/V surround receiver from Denon featuring Dolby Digital AC-3 at an affordable price. Equipped with Denon's own DDSC-Digital (Dynamic Discrete Surround Circuit-Digital) decoding technology, the AVR-1700 supports the 5 independent sound channels of Dolby Digital AC-3. This model includes the Equal Power feature and a fully-discrete 5-channel amplifier design which brings out the full sonic potential of Dolby Digital AC-3. The AVR-1700 even provides a 6-channel external decoder input terminal that lets you accommodate a high quality multi-channel format, like DTS or MPEG, giving your A/V theater system further flexibility and future expandability.



Dolby Digital AC-3 and Dolby Pro Logic Surround Circuit / DDSC-Digital (Dynamic Discrete Surround Circuit - Digital) / Fully Discrete 5-channel Equal Power Amplifier / 6-ch External Decoder Input / Self-illuminated GLO-KEY Remote Control





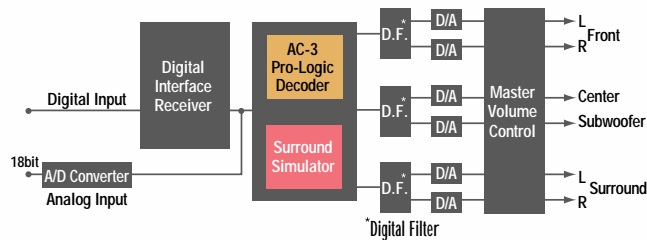
The Full Discrete 5-channel Equal Power Amplifier

AVR-1700 offers a full discrete 5-channel power amplifier to support the dynamic performance of the Dolby Digital AC-3 sound signal from DVD. All channels have an equal power output of 70 watts (8 ohms, 20Hz - 20kHz, THD 0.05%) and are configured as independent monaural amplifiers. This construction enables the AVR-1700 to produce dynamic realism through its high-current capability and to recreate a nuanced surround sound effect via superior channel separation.

DDSC-Digital (Dynamic Discrete Surround Circuit-Digital)

Since surround signals are all processed in the digital domain, the AVR-1700 is equipped with a newly-developed, sophisticated, high-performance DSP circuit with "Full Block Floating Point" calculations for the Dolby Digital AC-3 and Dolby Pro Logic decoders and Surround Simulator.

Dynamic Discrete Surround Circuit-Digital Block Diagram



96 kHz, 24-bit Audio D/A Converters

The AVR-1700 is equipped with 96 kHz, 24-bit audio D/A converters. The D/A converters feature 96 kHz, 24-bit audio performance to meet the highest specification level of DVD Video.

6-channel External Decoder Input

Versatile Speaker Terminals

Binding Post Speaker Terminals for All Channels
Two Pairs of Front Speaker Terminals for Bi-Wiring
Center Speaker Terminals for Bi-Wiring

Functions for Easy Operation

Self-illuminated GLO-KEY Remote Controller with Easy Recognition Layout

The remote controller of AVR-1700 features the "Self-illuminated GLO-KEY" for frequently used functions, and it gives you ease of use even in the dark. It also comes with four powerful functions: System Call, System Remote Control, Pre-Memory, and Programming. If several A/V components are connected to the AVR-1700, this single controller can operate the entire system, even if the components are not of DENON make.

Personal Memory Plus Dot Matrix Display

The AVR-1700 is equipped with a dot matrix display with greater resolution to ensure that operating status and other alpha-numeric characters are easy to read.

Frequency Synthesis Tuning

40-Station AM/FM Random Preset Memory Tuning / Auto Preset Memory

Other Features

Video Select Switch / PRE OUT Terminals / All Channel Level Control / 6 Surround Modes / Tone Control / Two Switched AC Outlets

Input/Output Terminals for Every A/V System

Audio Inputs

- 1 Digital (Optical) Input
OPTICAL
- 2 Digital (Coaxial) Inputs
COAXIAL

9 Analog Inputs

PHONO, CD, TUNER, DVD/VDP, TV/DBS, VCR-1, VCR-2/V-AUX, MD/TAPE, and 6-channel External Decoder Input

Audio Outputs

- 4 Analog PRE Terminals
FRONT L/R, CENTER, SUBWOOFER
- 3 Analog REC Terminals
VCR-1, VCR-2/V-AUX, MD/TAPE

Video Inputs

- 4 Composite Inputs
DVD/VDP, TV/DBS, VCR-1, VCR-2/V-AUX

Video Outputs

- 3 Composite Outputs
VCR-1, VCR-2/V-AUX, MONITOR



Specifications

AVR-1700

Power Amplifier Section	Same quality amplifier for all 5-channel
Rated output	* THD figures are power amp stage values.
Front	70 W + 70 W (8 ohms, 20Hz - 20 kHz, THD 0.05%)
Center	70 W (8 ohms, 20Hz - 20 kHz, THD 0.05%)
Surround	70 W + 70 W (8 ohms, 20Hz - 20 kHz, THD 0.05%)
Dynamic Power	90 W x 2 ch (8 ohms) 150 W x 2 ch (4 ohms) 2180 W x 2 ch (2 ohms)

Preamplifier Section	
Input sensitivity/ Impedance	PHONO (MM) : 2.5 mV/ 47 kohms CD, DVD/ VDP, TV/ DBS, VCR-1, VCR-2/V.AUX, MD/ TAPE, 6-ch EXT. : 200 mV/ 47 kohms
Output level/Load Impedance	FRONT L/R, CENTER, SUB WOOFER : 1.2 V/ 10 kohms VCR-1, VCR-2/V.AUX, MD/ TAPE : 150 mV/ 47 kohms
Digital Input	Optical DVD/ VDP Coaxial CD, TV/ DBS RF
Digital Output	
RIAA deviation	±1 dB (20 Hz - 20 kHz)
Signal-to-noise ratio (A-weighting)	96 dB
Tone control	Treble : ± 10 dB at 10 kHz Bass : ± 10 dB at 100 Hz

Video Section	
Input Terminal	Composite DVD/ VDP, TV/ DBS, VCR-1, VCR-2/V.AUX : 1 Vp-p / 75 ohms S-Video
Output Terminal	Composite VCR-1, VCR-2/V.AUX, MONITOR : 1 Vp-p / 75 ohms S-Video

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

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

General	
Power supply, Power consumption	AC 120 V, 60 Hz, 4.1A
Dimensions, Weight	434 (W) x 161 (H) x 416(D) mm, 10.9 kg, 24lbs. 17.1"(W) x 6.3" (H) x 16.4" (D)

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