



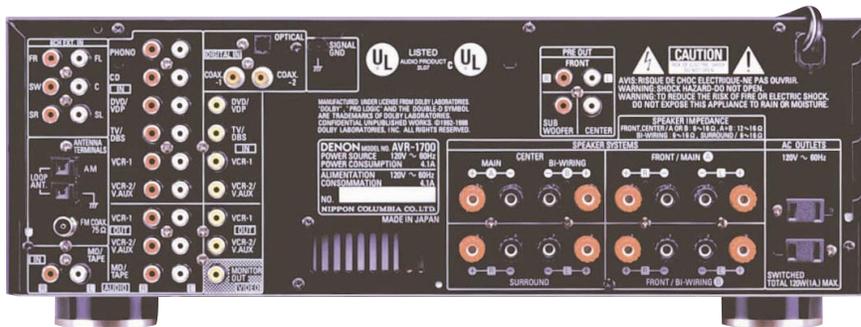
The First Name
In Digital Audio

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





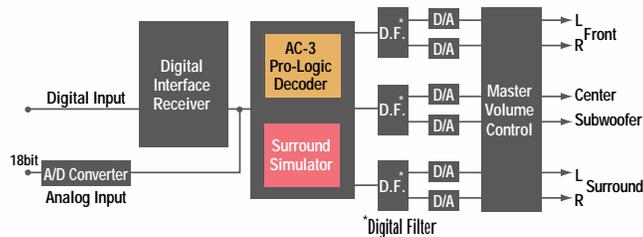
The Full Discrete 5-channel Equal Power Amplifier

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) |