

Dolby Digital and dts Certified A/V Receiver



DOLBY















*Gold Version Available

Outstanding surround sound an an affordable price, with Dolby Digital and DTS decoding.

Featuring the latest in Dolby Digital and DTS decoding technology, the AVR-2800 provides outstanding home theater surround sound performance. The heart of the AVR-2800 is Denon's Dynamic Discrete Surround Decoder-Digital technology. incorporating high performance DSP chips and superior A/D and D/A conversion devices. This provides superb listening results, with virtually any home theater or music source. Prepared for the future, the AVR-2800 features 6-Channel external input, for connection to future multi-channel surround formats. A high quality, discrete power output section provides a total system power of 425 watts RMS into 8 ohms. Full 24 bit, 96 kHz digital-to-analog D/A converters on all 6 channels (3 stereo pairs) provide transparent reproduction of multi-channel music and motion picture soundtracks with outstanding dynamic range and superb low level resolution. Outstanding surround sound an an affordable price, with Dolby Digital and DTS decoding. The AVR-2800's remote controller features an easy-to-use layout where most frequently used buttons are provided in different colors and shapes for easy recognition, even while keeping your eyes on the screen. The buttons also feature "Self-illuminated GLO-KEY" for easy operation in the dark.

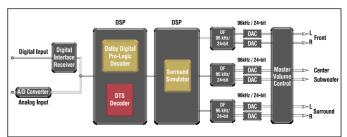
■ Equal Power Discrete Power Amplifier

85 W + 85 W (8 ohms, 20Hz - 20kHz, 0.05% THD) Front Center 85 W (8 ohms, 20Hz - 20kHz, 0.05% THD) Surround 85 W + 85 W (8 ohms, 20Hz - 20kHz, 0.05% THD)

All five power amplifier channels feature discrete power output devices, and all five amplifier channels provide equal power with lowest distortion. Each channel is rated at 85 watts, into 8 ohms, from 20 Hz - 20 kHz, with no more than 0.05% THD. A hallmark of Denon A/V component design, the equal power amplifier provides outstandingly accurate reproduction of motion picture soundtracks and multi-channel music programs.

■ DDSC-Digital (Dynamic Discrete Surround Circuit-Digital)

Since surround signals are all processed in the digital domain, the AVR-2800 is equipped with a newly-developed, sophisticated, high-performance DSP circuit with "Full Block Floating Point" calculations for the Dolby Digital, Dolby Pro-Logic, dts decoders, and Surround Simulator. The D/A converters feature high resolution designs for all the Front L/R, Center, Surround L/R, and Subwoofer channels. This combination of DSP and D/A converters works to bring out the tremendous potential of Dolby Digital and dts sound. In addition, high resolution A/D converters have been incorporated for the Dolby Pro-Logic decoder. The merits of all the latest technologies have been harnessed to reproduce the absolute highest quality in sound possible today.



Dynamic Discrete Surround Circuit-Digital Block Diagram

■ Dolby Digital

Dolby Digital and Dolby Pro Logic decoding functions are performed in the digital domain for excellent dynamic range and crystal clear reproduction.

Digital Theater Systems decoding provides thrilling movie and music multi-channel surround sound.

■ 96kHz, 24-bit Audio D/A Converter

■ 6-Channel External Input For Future Multi-Channel Formats

Prepared for the future, the AVR-2800 includes a six channel input, for connection to future multi-channel audio or A/V formats. Enjoy movie and music multi-channel programs today, knowing that there is a clear upgrade path for future developments.

■ Input/Output Terminals For Every A/V System

Audio Inputs

1 Digital (Optical) Input ... OPTICAL 3 Digital (Coaxial) Input .. COAXIAL x 3

9 Analog Inputs PHONO, CD, TUNER, DVD, VDP, TV/DBS, VCR-1, VCR-2/V-AUX,

MD/TAPE

6 Analog EXT. Inputs FRONT L/R, CENTER,

SURROUND L/R, SUBWOOFER

Audio Outputs

4 Analog Pre Outputs FRONT L/R, CENTER, SUBWOOFER 3 Analog Rec Outputs VCR-1, VCR-2/V-AUX, MD/TAPE

Video Inputs

5 S-Video Inputs DVD, VDP, TV/DBS, VCR-1, VCR-2/V-AUX 5 Composite Inputs DVD, VDP, TV/DBS, VCR-1, VCR-2/V-AUX

Video Outputs

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

■ Pre Outputs for System Upgrading

The pre-out terminals on the AVR-2800 is offered for Front L/R, Center and Mono (Subwoofer) channels. A separate power amp can be connected to these terminals to upgrade your system.

■ Video Select Switch

This function lets you select video sources independently of the audio sources.

■ All-channel Level Control

■ Binding Post Speaker Terminals for All Channels

The Binding Posts are used for all speaker terminals on the AVR-2800 to give you secure connections with all types of wire.

■ Icon-based On-Screen Display

The AVR-2800 provides an On-Screen Display (OSD) featuring icons (pictorial representations) to let you easily monitor the current operating status. With the OSD, you can check or change the source you want to see, listen to or record, and you can also monitor or change the speakers, surround mode, or listening parameters. A quick glance at the OSD will now let you do what once required a series of complicated operations.

■ Personal Memory Plus

The handy Personal Memory Plus function allows you to store the surround mode, the level settings for Center and Surround L/R speakers, as well as the delay time, to further customize the sound source. Simply push any source button and it will instantly display the settings stored for that source.

- Multi-function Remote Controller
- Self-illuminated GLO-KEY Remote Controller with Easy Recognition Layout
- System Call Function to execute up to 10 successive pre-assigned commands at the single touch of a button
- Pre-Memory and Programming Function for non-DENON components
- **■** Frequency Synthesis Tuning
- Radio Data System (RDS) with RADIOTEXT
- 40-Station AM/FM Random Preset Memory Tuning
- Auto Preset Memory
- Other Features
- Cinema Equalizer
- Music Surround Modes Including 5-channel Stereo
- "S" and Composite Video Switching
- A/B Front (left/right) Speaker Switching Connect another pair of stereo speakers in another room.
- Multi-Room (Dual Zone) Pre-amp Outputs
- Tone Control
- Operating Status at a Glance on Easy-to-Read FL Display

Specifications

■ Power Amplifier Section

Rated output	*THD figures a	*THD figures are power amp stage values.	
Front	85 W + 85 W	(8 ohms, 20Hz - 20kHz, 0.05% THD)	
Center	85 W	(8 ohms, 20Hz - 20kHz, 0.05% THD)	
Surround	85 W + 85 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, MD/TAPE, FRONT L/R, CENTER, SURROUND L/R,

SUBWOOFER 200 mV/47 kohms

Output level/Load Impedance

FRONT L/R, CENTER,

SUBWOOFER 1.2 V/10 kohms

VCR, MD/TAPE,

MONITOR 200 mV/47 kohms 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 ... 87.50 - 108.00 MHz Usable sensitivity 1.0 µV (11.2 dBf)

AM Section

Tuning frequency range ... 522 - 1611 kHz Usable sensitivity 18 µV

■ General

Power supply AC 230 V, 50 Hz

Power consumption --- W

Dimensions 434 (W) x 171 (H) x 416 (D) mm

Weight..... --- kg

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^{*}Design and specifications are subject to change without notice.

^{*&}quot;Dolby", "Dolby Digital", "Pro Logic", and the double-D device are registered trademarks of Dolby Laboratories Licensing Corporation.