

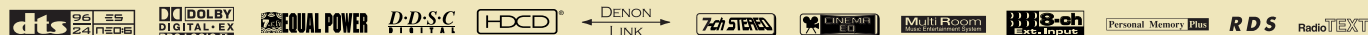
DENON

A/V Surround Receiver

AVR-3805

Finest DSP employed for faster processing in the New D.D.S.C-Digital circuitry and higher sound quality

D.D.S.C.-Digital is a circuit configuration specially designed by DENON in which all elements of the surround processor are optimized through the use of selected high performance discrete components, including separate A/D and D/A converters, with sophisticated DSP surround decoding. New D.D.S.C.-Digital incorporates the latest devices and also DENON LINK digital circuit. For decoding and processing various digital signals with the highest level of accuracy, DENON developed new 32bit floating point DSP for the AVR-3805, so this new D.D.S.C-Digital circuit provide the ultimate in multi-channel performance.



■ DENON LINK multi channel digital audio input

DENON LINK has just been upgraded to the 3rd edition. The new edition now allows the input of Super Audio CD digital signals as well as DVD-Video/Audio. To transfer audio signals, DENON has developed a unique digital transmission technology, known as DENON LINK. This digitally balanced transfer technology permits jitter-less data transfer and low noise. The AVR-3805 incorporates this latest digital audio interface, so the end-user will experience absolute finest in audio playback between AVR-3805 and DENON LINK featured DVD player.

*The 3rd edition for DVD output is currently awaiting verification.

■ Component Video Transcoding

• High-grade Up Conversion

This video transcoding to component signals, letting you enjoy high picture quality from all video gear connected to the AVR-3805. Since composite and S-video signals are also converted into component video signals and output to the monitor, all you need to do is connect a monitor that can display component video images.

• 3 Component Inputs

The AVR-3805 is equipped with 3 sets of component inputs and 1 set of monitor outputs (all RCA terminals)

• Broad frequency range up to 100 MHz

A high-performance relay is used to switch signals, and a high frequency range up to 100 MHz is supported.

■ Auto Setup and auto Room EQ Adjust Function with Microphone

The AVR-3805 is equipped with auto set up and room equalizing capability to achieve the ideal sound field for your room. With the microphone placed on your listening position, the powerful new 32bit floating point DSP analyzes accurately and automatically adjusts and sets the speaker configurations for your listening room. Also AVR-3805 analyzes the frequency response with 8 band parametric equalizer and adjust to optimum sound field. The microphone is equipped high performance microphone unit and heavy duty base to suppress the vibration for accurate analyzing.

■ Pure Direct and AL24 Processing Plus for audiophiles

Pure direct function is designed for audiophiles to enjoy the audio sources. This function turns off the video circuit and FL display and also digital circuit while the analog playback. While you playback PCM source, DENON's waveform technology AL24 plus processing is worked and bring out all the delicate nuances of the music.

■ New EL backlight touch panel remote

The AVR-3805's remote controller is completely new designed for easy to use. It is featured EL technology, and it gives you a sophisticated design and control.



DVD Player Call

A/V Amp Call

■ Fully Discrete, Equal Power Seven Amplifier Channels, 120 Watts Each

Front	120 W + 120 W (8 ohms, 20Hz - 20kHz, 0.05 % THD)
Center	120 W (8 ohms, 20Hz - 20kHz, 0.05 % THD)
Surround	120 W + 120 W (8 ohms, 20Hz - 20kHz, 0.05 % THD)
Surround back	120 W + 120 W (8 ohms, 20Hz - 20kHz, 0.05 % THD)

The AVR-3805 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 120 watts, into 8 ohms, from 20 Hz - 20 kHz with no more than 0.05% THD.

■ Designed for high sound quality

• 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-3805 boasts high output power of 120 W for each of the 7 channels.

• Block Capacitor

A large-capacity block capacitor was developed for the AVR-3805 to ensure a rock stable supply of power.

• AC Cord inlet

Support for Multi Zone Configurations

The AVR-3805 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 an additional zone, in addition to the main room. Multi-room Zone 2 can have variable pre-amp output along with composite video feed. And an independently selected source can be output to Multi-room Zone 3 as a fixed output. The AVR-3805's Power Amplifier Assign function lets you assign the 2 or 3 Surround Back (SB L/R) amplifier channels when the system is not configured for 7.1, to instead drive the Multi-room Zone 2 speakers, with 120 Watts per channel output power, while still providing 5 discrete amplifier channels to drive all speakers in a 5.1 configured home theater room.

+12 V Trigger Output x2 (Assignable)

Remote In/Out

RS232C Control Port to support an AMX, Crestron integrated control system

DENON's Latest Surround Technology Faithfully Recreates the Surround Sound Produced at the Dubbing Stage.

DTS 96/24 Decoding for DVD-Video

DTS-ES Discrete 6.1 and Matrix 6.1

DTS NEO:6

Dolby Digital EX

Dolby Pro Logic IIx

Auto Surround

The AVR-3805 can automatically store the surround mode for any of four input signals: (1) Analog and PCM 2 channel, (2) Bit stream 2-channel (Dolby Digital, DTS) and (3) Bit stream multi-channel and (4) DENON LINK multi-channel. If the type of input signal changes, the most appropriate surround mode is automatically selected for the signal.

Other Features That Enhance Operating Ease

1 Set of 8-Channel External Analog Inputs

New Cosmetic with Trap Door

Large display tube capable of displaying a broad range of information. All settings can be made using buttons on the main unit.



Audio Delay Function

Audio Delay function corrects slight lags between sound and picture that can occur when a video signal is processed, such as in a Progressive Scan DVD player or outboard video processor.

Variable Gain Volume

S/N in the useable area has been improved. Finer adjustments are also possible in 0.5 dB steps across the extended range of -80 dB to +18 dB.

Adjustable Cross-Over Switching

The AVR-3805 supports subwoofer cross-over switching with a choice of 8 cross-over frequencies: 40, 60, 80, 100, 120, 150, 200 and 250 Hz. This lets you more accurately match the performance characteristics of the subwoofer to the main speaker system.

A/B switching between surround speakers

56-Station AM/FM Random Preset Memory Tuning

Auto Preset Memory

Input/Output Terminals For Every A/V System

Audio Inputs

11 Analog Input	PHONO, CD, (Tuner), DVD, VDP, TV, DBS, VCR-1, VCR-2, V.AUX(FRONT), CDR/TAPE
8-ch Analog EXT. Input	FRONT L/R, CENTER, SURROUND L/R, SURROUND BACK L/R, SUBWOOFER
5 Digital (Optical) Input	OPTICAL x 5 (FRONT x 1) (Assignable)
2 Digital (Coaxial) Input	COAXIAL x 2 (Assignable)
1 Denon Link	Denon Link

Audio Outputs

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

Video Inputs

3 Component Video Input	VIDEO-1, VIDEO-2, VIDEO-3
7 Composite Input	DVD, VDP, TV, DBS, VCR1, VCR2, V.AUX(FRONT)
7 S-Video Input	DVD, VDP, TV, DBS, VCR-1, VCR-2, V.AUX(FRONT)

Video Outputs

1 Component Video Output	MONITOR
3 Composite Output	VCR-1, VCR-2, MONITOR
3 S-Video Output	VCR-1, VCR-2, MONITOR
1 Multi Zone Composite Video output	ZONE 2 VIDEO x1

Specifications

Power Amplifier Section

Rated output	*THD figures are power amp stage values.
Front	120 W + 120 W (8 ohms, 20Hz - 20kHz, 0.05 % THD) 160 W + 160 W (6 ohms, 1 kHz, 0.7 % THD)
Center	120 W (8 ohms, 20Hz - 20kHz, 0.05 % THD) 160 W (6 ohms, 1 kHz, 0.7 % THD)
Surround	120 W + 120 W (8 ohms, 20Hz - 20kHz, 0.05 % THD) 160 W + 160 W (6 ohms, 1 kHz, 0.7 % THD)
Surround back	120 W + 120 W (8 ohms, 20Hz - 20kHz, 0.05 % THD) 160 W + 160 W (6 ohms, 1 kHz, 0.7 % 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	200 mV/47 kohms
FRONT L/R, CENTER, SURROUND L/R, SURROUND BACK L/R, SUBWOOFER	200 mV/15 kohms

Output level/Load impedance

FRONT L/R, CENTER, SURROUND L/R, SURROUND BACK L/R, SUB WOOFER	
MULTI ZONE L/R	1.2 V/10 kohms
VCR-1, VCR-2, 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: ± 6 dB, Bass: ± 6 dB

FM Section

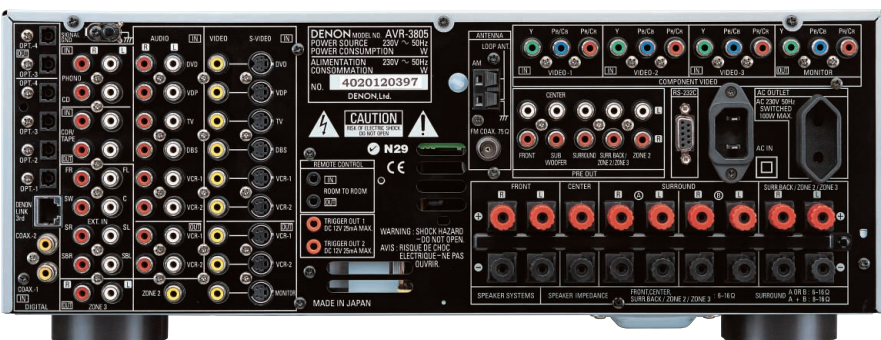
Tuning frequency range	87.5 - 108.0 MHz
Usable sensitivity	1.0 µV (11.2 dBf)

AM Section

Tuning frequency range	522 - 1611 kHz
Usable sensitivity	18 µV

General

Power supply	AC 230 V, 50 Hz
Power consumption	390 W
Dimensions	434 (W) x 171 (H) x 429 (D) mm
Weight	17.0 kg



*Black version is available.



*Design and specifications are subject to change without notice.
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