

7.1 AV Surround Receiver features Autosetup, Component Video conversion, OSD, XM-HD Surround and iPod command and control capability.



Audio section

■ Fully discrete 7-channel high power amplifiers

Front	85 W + 85 W	(8 ohms, 20 Hz - 20 kHz, 0.08 % THD)
Center	85 W	(8 ohms, 20 Hz - 20 kHz, 0.08 % THD)
Surround	85 W + 85 W	(8 ohms, 20 Hz - 20 kHz, 0.08 % THD)
Surround Back	85 W + 85 W	(8 ohms, 20 Hz - 20 kHz, 0.08 % THD)

■ High-quality sound reproduction

- New high resolution 32bit floating point DSP
- 96 kHz processing circuit
- 24 bit, 192 kHz capability high resolution D/A conversion

■ Denon's basic design for high-quality sound reproduction

- Power transformer for high power driven
- Twin drive rectifier
- Large aluminum extruded heatsink

■ Dual channel surround back power amp for 7.1 surround

The AVR-787 is equipped with a total of 7 power amps including 2 for the Surround Back channel speaker to give you more clearly defined sound localization at the rear for 6.1-channel surround sources such as DTS-ES Discrete 6.1, DTS-ES Matrix 6.1, Dolby Digital EX, and DTS-ES NEO:6.

■ Wide-range play capability for DVD-Audio and Super Audio CD

The power amp circuits of the AVR-787 have been meticulously designed to reproduce the exceptionally high sound quality with wide frequency response from 10 Hz to 100 kHz.

■ Supports the most advanced surround playback formats

- Dolby Digital EX • Dolby Digital • Dolby Pro Logic IIx
- DTS-ES • DTS 96/24 • DTS Neo:6 • DTS • Neural Surround

■ Cinema Equalizer

The sound from movie sources recorded in Dolby Digital, DTS or other formats emphasizes high-frequency range due to a theater's front speakers being placed behind the movie screen. If this sound is reproduced in the home theater without correction, the high-frequency range is too strong. The AVR-787 features a Cinema Equalizer to correct these high-frequency components so that the sound is clearer and easier to listen to. (For Dolby Digital, Dolby Pro Logic IIx, Dolby Digital EX and DTS surround modes)

Video section

■ Component video circuits which maintain flat response up to 100MHz, ensuring sharp image quality

- Video Up/Down conversion function (Composite <-> S-Video, Composite -> S-Video/Component)
- 3 Sets of Component Video Inputs

Connectivity Usability / Expandability

■ ASD-1R Control Dock for iPod® (option): Supports iPod playback when connected to the AVR-787

iPod (*1) playback can be enjoyed through the AVR-787 when the ASD-1R, Denon's original Control Dock for iPod (sold separately), is connected to the dedicated control terminal of the AVR-787. The iPod can also be controlled via the remote controller supplied with the AVR-787.

*1) Supports 3rd-generation and later iPods equipped with a Dock connector. Some functions may not work depending on the generation of the iPod and the version of the software.



Black version is also available.

■ XM Mini-Tuner Ready*

(Supports XM 5.1ch surround powered by Neural Audio)
*Optional XM Mini-Tuner and subscribes are required.

■ Auto Setup with microphone

The AVR-787 is equipped with an Auto Setup function, to achieve the most ideal sound field for your room. With the microphone placed at your listening position, the powerful 32bit floating point DSP automatically and accurately analyses, adjusts and sets the speaker configurations of your system.

■ Configurable surround back amplifiers

- Multi-zone system: a 5.1-channel theater in the main room and a stereo environment in a second room.
- "Bi-amp" system: Front (L/R) channels are bi-wired in a 5.1-channel theater to improve playback quality in the front for enhanced listening enjoyment.

■ 8ch analog EXT IN terminal

■ New user-friendly remote

■ 3 User Mode buttons

AVR-787

Other features

■ Audio Delay Function (0 - 200msec.)

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.

■ Personal Memory Plus, for easy operation

The AVR-787 includes the Personal Memory Plus function that automatically remembers the surround mode you last used for each program source, so that you do not need to select the mode again for that program.

■ On Screen Display

The AVR-787 lets you make system settings via displays on your TV screen from the comfort of your chair.

■ Variable subwoofer crossover switching

(40/60/80/90/100/110/120/150/200/250 Hz)

Input/Output Terminals For Every A/V System

Audio Inputs

8 sets of Analog Inputs

CD, (TUNER), DVD/VDP, TV/DBS, AUX, VCR, CDR/TAPE, V.AUX(FRONT)

8 Analog EXT. Input

FRONT L/R, CENTER, SURROUND L/R, SURROUND BACK L/R, SUBWOOFER

5 Digital Inputs

OPTICAL x 3 (incl. FRONT x 1)
COAXIAL x 2

Audio Outputs

1 set of Analog PRE OUT Terminals

7.1 ch

2 sets of Analog REC OUT Terminals

VCR, CDR/TAPE

1 Digital Output

OPTICAL x 1

Video Inputs

3 sets of Component Video Input

DVD/VDP, TV/DBS, VCR

3 S-Video Inputs

DVD/VDP, TV/DBS, VCR

4 Composite Inputs

DVD/VDP, TV/DBS, VCR, V.AUX(FRONT)

Video Outputs

1 set of Component Video Output

MONITOR

2 S-Video Outputs

VCR, MONITOR

2 Composite Outputs

VCR, MONITOR

■ Remote IN/OUT

■ 5 Channel/ 7 Channel Stereo Mode

■ 2-line dot matrix display

■ Night Mode for not disturbing others

■ Function Rename

■ Input Function Level

■ REC OUT Selector

■ All ch Preout

■ Front panel Inputs (with digital optical input)

■ Front A/B speaker terminals

■ High-grade 7 channel speaker terminals (all ch)

■ Frequency synthesis tuning

- 56-station AM/FM/XM random preset memory tuning
- Auto preset memory

Specifications

Power Amplifier Section

Rated output *THD figures are power amp stage values.

Front	85 W + 85 W	(8 ohms, 20 Hz - 20 kHz, 0.08 % THD)
	120 W + 120 W	(6 ohms, 1 kHz, 0.7 % THD)
Center	85 W	(8 ohms, 20 Hz - 20 kHz, 0.08 % THD)
	120 W	(6 ohms, 1 kHz, 0.7 % THD)
Surround	85 W + 85 W	(8 ohms, 20 Hz - 20 kHz, 0.08 % THD)
	120 W + 120 W	(6 ohms, 1 kHz, 0.7 % THD)
Surround Back	85 W + 85 W	(8 ohms, 20 Hz - 20 kHz, 0.08 % THD)
	120 W + 120 W	(6 ohms, 1 kHz, 0.7 % THD)

Preamplifier Section

Input sensitivity/Impedance

CD, DVD/VDP, TV/DBS, VCR, CDR/TAPE, AUX, V.AUX(FRONT)

200 mV/47 kohms

Frequency response

10 Hz - 100 kHz (+1, -3 dB) (DIRECT mode)

Signal-to-noise ratio

98 dB (DIRECT mode)

Tone control

Treble: ±12 dB at 10 kHz

Bass: ±12 dB at 100 Hz

FM Section

Tuning frequency range

87.5 - 107.9 MHz

Usable sensitivity

1.0 μV (11.2 dBf)

AM Section

Tuning frequency range

520 - 1710 kHz

Usable sensitivity

18 μV

General

Power supply

AC 120 V, 60 Hz

Power consumption

5.1 A (1W Max (standby))

Dimensions

434 (W) x 147 (H) x 417 (D) mm

17-3/32" (W) x 5-25/32" (H) x 16-27/64" (D)

Weight

11.8 kg, 26 lbs



*Design and specifications are subject to change without notice.

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*DTS is registered trademarks of DTS Technology.

*iPod is a trademark of Apple Computer, Inc., registered in the U.S. and other countries.

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