



Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for DENON AVR-1801. You'll find the answers to all your questions on the DENON AVR-1801 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

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DENON **AVR-1801**

NEW MODEL INFORMATION

Dolby Digital and DTS A/V Receiver

90th DENON Anniversary 1918-2008

Outstanding Dolby Digital and DTS Sound At An Affordable Price

The AVR-1801 is an A/V receiver that has inherited advanced technology for high-quality sound from DENON's high-end models. The power amp section features a discrete configuration to ensure equal response from all five channels, each of which is driven with a robust 70 watts of power to let you enjoy rock-solid, dynamic sound.

As the AVR-1801 is equipped with Dolby ProLogic, Dolby Digital and DTS decoding, all of your favorite music and movie sources are reproduced with outstanding clarity and exciting spaciousness.

The AVR-1801 naturally provides a generous array of input and output terminals, including 2 optical digital inputs and 1 coaxial digital input for audio, and 4 sets of composite video inputs and 4 sets of S-video inputs for video sources.



DD DOLBY DIGITAL DTS DTS DIGITAL SURROUND EQUAL POWER HIG-CH HALL EFFECT External Memory Unit

■ Dolby Digital and DTS Decoders
Equipped with both Dolby Digital and DTS 5.1 channel decoding, the AVR-1801 provides thrilling surround sound with the thousands of Dolby Digital and DTS encoded DVDs, as well as the growing library of DTS 5.1 channel music recordings available on CD.

■ Fully Discrete, Equal Power Five Amplifier Channels, 70 Watts Each
Front..... 70 W + 70 W @ 8Ω, 20 Hz - 20 kHz, 0.08 % THD
105 W + 105 W @ 8Ω, 1 kHz, 0.7 % THD
Center..... 70 W @ 8Ω, 20 Hz - 20 kHz, 0.08 % THD
105 W @ 8Ω, 1 kHz, 0.7 % THD
Surround..... 70 W + 70 W @ 8Ω, 20 Hz - 20 kHz, 0.08 % THD
105 W + 105 W @ 8Ω, 1 kHz, 0.7 % THD

For optimum Dolby Digital and DTS reproduction, the AVR-1801 features high quality, wideband audio amplification, providing 70 watts power output for each of the five main channels. A large capacity power supply includes a high current power transformer along with discrete power output devices on all five amplifier channels for highest dynamic range and superb reproduction clarity.

■ 5 Channel Stereo Mode
DENON's exclusive 5 Channel Stereo mode provides superb surround sound with conventional two channel music and video sources. Hear exciting surround sound from all five speakers with your favorite two channel music sources such as CD, tape, stereo radio and stereo video sources.

■ Virtual Surround Mode
Surround yourself with sensational 3D soundfield envelopment using just one pair of speakers. The AVR-1801's Virtual Surround mode provides a dramatic psychoacoustic surround sound effect, using two speakers with Dolby Digital 5.1 encoded sources.

■ DENON DSP Surround Modes Add Listening Excitement
Put yourself in the middle of your favorite concert hall and music environments with DENON's DSP acoustic environment simulation modes. These DSP modes add spacious surround sound enhancements to your favorite music and video sources, and include these distinctly different sounding effects:

1. 5 Channel Stereo	5. Video Game
2. Virtual Surround	6. Matrix
3. Rock Arena	7. Movie Movie
4. Jazz Club	

■ Cinema Equalizer
The sound from movie sources recorded in Dolby Digital, DTS or other formats emphasizes correction of components that deteriorate in the high-frequency range due to the movie screen. If the sound is reproduced in the home theater without correction, the high-frequency range is too soft. The AVR-1801 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, and DTS surround modes)



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Manual abstract:

The power amp section features a discrete configuration to ensure equal response from all five channels, each of which is driven with a robust 70 watts of power to let you enjoy rock-solid, dynamic sound. DENON DSP Surround Modes Add Listening Excitement Put yourself in the middle of your favorite concert hall and music environments with DENON's DSP acoustic environment simulation modes. These DSP modes add spacious surround sound enhancements to your favorite music and video sources, and include these distinctly different sounding effects: Fully Discrete, Equal Power Five Amplifier Channels, 70 Watts Each (8 ohms, 20 Hz - 20 kHz, 0.08 % THD) (6 ohms, 1 kHz, 0.7 % THD) (8 ohms, 20 Hz - 20 kHz, 0.08 % THD) (6 ohms, 1 kHz, 0.7 % THD) (8 ohms, 20 Hz - 20 kHz, 0.08 % THD) (6 ohms, 1 kHz, 0.7 % THD) Front..

.....
.....

. 70 W + 70 W 105 W + 105 W Center

. 70 W 105 W Surround 70 W + 70 W 105 W + 105 W For optimum Dolby Digital and DTS reproduction, the AVR-1801 features high quality, wideband audio amplification, providing 70 watts power output for each of the five main channels. A large capacity power supply includes a high current power transformer along with discrete power output devices on all five amplifier channels for highest dynamic range and superb reproduction clarity. s 5 Channel Stereo Mode DENON's exclusive 5 Channel Stereo mode provides superb surround sound with conventional two channel music and video sources.

@@5 Channel Stereo 2. Virtual Surround 3. Rock Arena 4. Jazz Club 5. Video Game 6.

Matrix 7. @@@@@For next generation high resolution multi-channel audio formats such as DVD-Audio and SACD, the 6 Channel External Input is equipped with a wideband frequency response extending to 100 kHz. In addition, the digital inputs support high resolution 24 bit, 96 kHz stereo PCM soundtracks, available on selected audiophile DVD music releases. "S" and Composite Video Switching Four sets of composite video (coaxial jack) and four sets of "S"-video terminals are provided (TV, VCR-1, VCR-2 and DVD inputs), allowing a full complement of video sources to be switched and routed to the monitor TV. Front A/B Speaker Terminals Two sets of speaker terminals are provided for the main (left and right) speakers.

This allows the use of a second pair of stereo speakers in another room in the home. @@@@ - Audio Inputs 8 Analog Inputs

.....
.....
.... @@Input.

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@@OPTICAL X 2 1 Digital (Coaxial) Input.....

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..... COAXIAL X 1 · Audio Outputs 4 Analog PRE OUT Terminals

. FRONT L/R, CENTER, SUBWOOFER 3 Analog REC OUT Terminals..... @@@@VCR-1, VCR-2/V.AUX, MONITOR 3 S-Video Outputs..

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.....

.. @@@@Frequency Synthesis Tuning · 40-Station AM/FM Random Preset Memory Tuning · Auto Preset Memory s s s s s Personal Memory Plus, for Easy Operation The AVR-1801 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. Audiophile Quality Speaker Terminals In addition to accepting bare wire or pin terminations, the front main speaker terminals (left, center, and right) can also accept banana-plug terminals for full compatibility with high grade speaker cables, along with easy connection capability. Specifications s Power Amplifier Section Rated output *THD figures are power amp stage values.

Front.....

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. 70 W + 70 W (8 ohms, 20 Hz - 20 kHz, 0.08 % THD) 105 W + 105 W (6 ohms, 1 kHz, 0.7 % THD) Center ..

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.....
.....

..... @@@@1.2 V/10 kohms MD/TAPE MONITOR, VCR-1, VCR-2/V.AUX ..

..... 200 mV/47 kohms Frequency response ..

.....
.....
.....

.. @@±1 dB (20 Hz - 20 kHz) Signal-to noise ratio

..... 100 dB (A-weighting) (Tone Defeat On) Tone control..

.....
.....

.....
... Treble: ± 12 dB at 10 kHz Bass: ± 12 dB at 100 Hz s FM Section Tuning frequency range.....
... 87.5 - 107.
9 MHz Usable sensitivity

.....
... 1.0 μ V (11.2 dBf) s AM Section Tuning frequency range....
.....
520 - 1710 kHz Usable sensitivity

.....
... 18 μ V s General Power supply

.....
... 4.
3 A Dimensions

.....
... 434 (W) x 171 (H) x 416 (D) mm 17.1" (W) x 6.
7" (H) x 16.4" (D) Weight....
.....

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.. @@@@17 DENISON STREET, MARKHAM ONTARIO, CANADA L3R 1B5 TEL: 905-475-4085 NIPPON COLUMBIA CO., LTD. 14-14,
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