DHT-486DV (AVR-486 + DVD-556 + SYS-76HT)
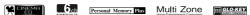
DENON

■ **High-Quality Surround Sound Reproduction**
• High Resolution 32bit Floating Point DSP
• 96 kHz Processing Circuit
• 3 Sets of Component Video Inputs
• 3 Sets of S-Video Switching

■ **Fully Discrete, Equal Power 7 Amplifier Channels, 75 Watts Each**

Front	75 W + 75 W	(8 ohms, 20 Hz - 20 kHz, 0.08 % THD)
Center	75 W	(8 ohms, 20 Hz - 20 kHz, 0.08 % THD)
Surround	75 W + 75 W	(8 ohms, 20 Hz - 20 kHz, 0.08 % THD)
Surround Back	75 W + 75 W	(8 ohms, 20 Hz - 20 kHz, 0.08 % THD)

For optimum Dolby Digital and DTS reproduction, the AVR-486 features high quality, wideband audio amplification, providing 75 watts power output for each of the 7 main channels. A large capacity power supply includes a high current power transformer along with discrete power output devices on all 7 amplifier channels for highest dynamic range and superb reproduction clarity.

■ **DENON's Basic Design for High-Quality Sound Reproduction**
• Power Transformer for High Power Driven
The chassis that supports the large transformer has been designed to absorb vibration, and the transformer is housed inside a highly rigid frame to secure it more solidly to the chassis. In addition, a cushioning material has been placed around the core of the transformer to minimize interference on the signal and enable more faithful reproduction of the original sound. The AVR-486 inherits these low-noise design from higher-end models not to mention the use of short ring.

• Twin Drive Rectifier
DENON's Twin Drive Rectifier design uses two rectifying diodes in parallel to bring out the maximum potential of the large transformer. Since the rectifiers recharge the large block capacitors at low impedance, they are able to supply ample current to reproduce deep basses as well as sudden bursts of sound from percussion or other musical instruments.

• Large Aluminum Extruded Heatsink
DENON uses large heatsink made of extruded aluminum. They have been placed in a design that ensures mostly uniform temperatures throughout the heatsink so that the output transistors for all channels can be driven under uniform conditions. This in turn ensures that all channels respond with equal performance to the demands of the audio signals.

■ **Wide-Range Play Capability for DVD-Audio and Super Audio CD**
The power amp circuits of the AVR-486 have been meticulously designed to reproduce the exceptionally high sound quality with wide frequency response from 10 Hz to 100 kHz.

■ **Dual Channel Surround Back Power Amp for 7.1 Surround**
The AVR-486 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.

■ **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-486 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)

■ **Assignable surround back (L/R) amplifiers for Multi-zone playback**
Amplifiers initially reserved for Surround back (L/R) channels can be assigned to Zone 2 speakers.

■ **Personal Memory Plus, for Easy Operation**
The AVR-486 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.

■ **Acclaimed Customization Feature**
As with all of DENON's high-grade A/V receiver, the AVR-486 lets you adjust delay times and other parameters so that you can customize the performance of the AVR-486 to suit your own home theater and enhance operating ease. The adjustments are easy to make via a dialog format on the fluorescent display on the front panel. These customized features are then stored, for each source input and surround mode, in Personal Memory Plus so constant readjustments are not required.

■ **Multi-Function Preset Memory Remote Controller with Glo-keys**

■ **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

■ **5 Channel/ 7 Channel Stereo Mode**
DENON's popular 7 Channel Stereo mode transforms your favorite 2-channel sources such as CD, tape, stereo radio and stereo video sources into exciting surround sound, free of delay effects and unnatural artifacts, from all 7 speakers. This 7 Channel Stereo mode was originally developed by DENON to enhance music lovers' enjoyment with home theater ambience.

■ **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 / 7 Channel Stereo
2. Virtual Surround
3. Rock Arena
4. Jazz Club
5. Video Game
6. Matrix
7. Mono Movie

■ **Adjustable Cross-Over Switching**
The AVR-486 supports subwoofer cross-over switching with a choice of 8 cross-over frequencies: 40/60/80/100/120/150/200/250Hz. This lets you more accurately match the performance characteristics of the subwoofer to the main speaker system.

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

Other features
■ Night Mode for not disturbing others
■ Front Panel Inputs
■ Front A/B Speaker Terminals
■ High-grade Speaker Terminals (All ch)
■ Remote In/Out Ports
■ Frequency Synthesis Tuning
• 56-Station AM/FM Random Preset Memory Tuning
• Auto Preset Memory

DHT-486DV

DVD Video Player: DVD-556
- 24-bit, 192-kHz High Resolution Audio D/A Converters
- Progressive Scan
- 2 MB Buffer Memory
- Picture Zooming (x2 or x4)
- Color Component Video Output
- Wide Selection of Playback Options
  1) Program Play, 2) Repeat Play, 3) Random Play
- Picture Adjustment Function
- CD-R/RW (audio/MP3/WMA/JPEG/Kodak Picuture CD) Playback (*1)
- 24/96 PCM Digital Output Capability
- PCM, Dolby Digital and DTS Digital Output
- Auto Power OFF
- Marker Function
- Dialog Speed Control

Input/Output Terminals for Every A/V System (AVR-486)

Audio Inputs
8 Analog Inputs	CD, (TUNER), DVD/VDP, TV/DBS, AUX, VCR, CDR/TAPE, V.AUX(FRONT)
6 Analog EXT. Inputs	FRONT L/R, CENTER, SURROUND L/R, SUBWOOFER
3 Digital Inputs	OPTICAL X 1
	COAXIAL X 2

Audio Outputs
1 Analog PRE OUT Terminal	SUBWOOFER
2 Analog REC OUT Terminals	VCR, CDR/TAPE

Video Inputs
3 Component Video Inputs	DVD/VDP, TV/DBS, VCR
4 Composite Inputs	DVD/VDP, TV/DBS, VCR, V.AUX(FRONT)
3 S-Video Inputs	DVD/VDP, TV/DBS, VCR

Video Outputs
1 Component Video Output	MONITOR
2 Composite Outputs	VCR, MONITOR
2 S-Video Outputs	VCR, MONITOR

Specifications

■ DVD Video Player: DVD-556

Video Section
Signal system	NTSC
Disc played	DVD Video, Music CD, CD-R/RW(audio/MP3/WMA/JPEG/Kodak Picture CD)
DVD-R/RW	

Video outputs
Composite Video Output:	1.0 Vp-p (with 75 ohms load)
S-Video Output:	Y; 1.0 Vp-p (with 75 ohms load), C; 0.3 Vp-p
Component Video Output:	Y, Pb/Cb, Pr/Cr: Y; 1.0 Vp-p (with 75 ohms load), Pb/Cb; 0.7 Vp-p (with 75 ohms load), Pr/Cr; 0.7 Vp-p (with 75 ohms load)

Audio Section
Audio outputs	1 Set Analog Output (L/R)
	1 Set Optical Digital Output
	1 Set Coaxial Digital Output
CD audio	
Frequency response	4 Hz - 20 kHz
Signal-to-noise ratio	115 dB
Dynamic range	98 dB
Total harmonic distortion	0.004%

General
Power supply	AC 120 V, 60 Hz
Dimensions	17-3/32" (W) x 2-61/64" (H) x 12-13/64" (D) 435 (W) x 75 (H) x 310 (D) mm
Weight	5 lbs 1 oz, 2.3 kg

■ AVR-486

Power Amplifier Section
Rated output		*THD figures are power amp stage values.
Front	75 W + 75 W	(8 ohms, 20 Hz - 20 kHz, 0.08 % THD)
	110 W + 110 W	(6 ohms, 1 kHz, 0.7 % THD)
Center	75 W	(8 ohms, 20 Hz - 20 kHz, 0.08 % THD)
	110 W	(6 ohms, 1 kHz, 0.7 % THD)
Surround	75 W + 75 W	(8 ohms, 20 Hz - 20 kHz, 0.08 % THD)
	110 W + 110 W	(6 ohms, 1 kHz, 0.7 % THD)
Surround Back	75 W	(8 ohms, 20 Hz - 20 kHz, 0.08 % THD)
	110 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
Output level/Load impedance	
SUBWOOFER	1.2 V/10 kohms
CDR/TAPE, VCR	200 mV/47 kohms
Frequency response	10 Hz - 100 kHz (+1, -3 dB) (Tone Defeat On)
Signal-to-noise ratio	98 dB (IHF-A weighted) (Tone Defeat On)
Tone control	Treble: ±10 dB at 10 kHz
	Bass: ±10 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	4.3 A
Dimensions	17-3/32" (W) x 5-25/32" (H) x 1-23/64" (D) 434 (W) x 147 (H) x 417 (D) mm
Weight	24 lbs 8 oz, 11.1 kg

■ 7.1 ch Speaker System: SYS-76HT

SC-A76 (Satellite speaker system)
Type	2-way 2 speakers
Magnetic shielding	Yes
Impedance	6 ohms
Dimensions	4 23/32" (W) x 7 3/32" (H) x 6 9/64" (D) 120 (W) x 180 (H) x 156 (D) mm
Weight	3 lbs 8 oz, 1.6 kg

SC-C76 (Center speaker system)
Type	2-way 3 speakers
Magnetic shielding	Yes
Impedance	6 ohms
Dimensions	10 3/64" (W) x 4 23/32"(H) x 6 9/64" (D) 266 (W) x 120 (H) x 156 (D) mm
Weight	4 lbs 10 oz, 2.1 kg

DSW-76 (Subwoofer system with built-in Amplifier)
Driver unit	20 cm Woofer x1
Amplifier Output	100 W (4 ohms, 55Hz, 0.7%THD)
LF Direct Mode	Yes
Impedance	4 ohms
Power supply	AC 120 V, 60 Hz
Dimensions	10 1/32" (W) x 14 1/64" (H) x 17 1/64" (D) 262 (W) x 357 (H) x 434 (D) mm (with feet)
Weight	25 lbs 13 oz, 11.7 kg

DHT-486XP (AVR-486 + SYS-76HT) is also available.

AVR-486's back panel

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* Kodak is a trademark of Eastman Kodak Company.
* "WMA"(Windows Media Audio) is a new audio codec developed by Microsoft® in the United States of America.
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