

# DENON

DVD Home Theater System

S-101 S-301



Dynamic sound and image reproduction.

Your music easily available anytime you wish.

With S-101/S-301 Series, a new and exciting way to enjoy home entertainment begins.





#### Smart Theater

With S-101/S-301 you can enjoy watching your DVD movies and concerts. Plus, our advanced technology lets you experience the dynamic sounds of a movie theater, at home.

#### Smart Sound

With S-101/S-301 you can enjoy music you've never experienced from your CD's or favorite radio stations, and even your portable music players from a Rio MP3 Player to an iPod® -- with simplistic ease.

#### Smart Operation

Its compact size, simple operation and setup are key design features of S-101/S-301. Anyone can enjoy it immediately and easily the moment it arrives in your home.



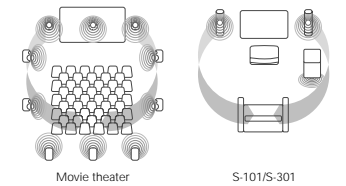


Simply hook up S-101/S-301 to your TV, and experience the breathtaking images and dynamic surround sounds of movies like never before.

All you need are three speakers to capture the full-scale dynamic sounds of movies and concerts.

In general, surround sound reproduction at movie theater is done through multiple speakers.

With S-101/S-301 all that is needed are two speakers and the subwoofer to enjoy the surround sounds of movie theaters easily. Even when you use your headphones the S-101/S-301 will create an intimate surround sound experience, without disturbing others.



Enjoy different types of music in better sound -- all on one system.

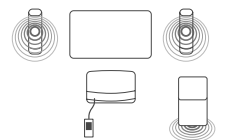
#### Listen to your CD's

It can play CD's. It lets you enjoy the music of your choice. It's CD-R and CD-RW compatible. It lets you play your MP3 and WMA music files that you recorded from your computer.

#### Listen to FM/AM radio

#### Listen to your portable player

It lets you directly connect your iPod giving you playback and control of your recorded music and photos. It even lets you look at your iPod while listening to your music. Don't have an iPod, it lets you connect any popular portable music player like a Rio MP3 player as well.





## Easy set up and easy operation

### Easy Setup

S-101/S-301 consists simply of the main unit, two speakers and a subwoofer. Easily connect them with the attached cords.

The Quick Setup Sheet will help you without any confusion – after that simply enjoy!



### Smart Operation

Playing DVD's and CD's are both one key operations – they don't require complicated procedures. With portable players and iPod's, simply push the play button after you hook it up to the terminal on the front panel of the main unit. We also placed the most frequently used buttons on useful and noticeable locations of the main unit and remote control.

### A Remote Controller for your lifestyle

The included remote control allows you to operate not only the S-101/S-301, but also TVs, cable TV tuners, satellite broadcasting tuners, iPods and USB portable music players – directly and easily.

### Help Menu Installed

The Help Menu will let you play the music/video source of your choice by selecting it from your TV screen.





Even better sounds, even better images

## S-301

You can enjoy DVD-Audio discs and Super Audio CDs which provide better sound quality than CDs.

### Wide Range Speakers

The speakers which are equipped with a tweeter and two woofers were finely tuned by the finest European speaker designers. They will bring out all the definition and realism that DVD-Audio and Super Audio CDs provide.

### High Power Amplifiers

Even with its compact size, its high power brings stability to sound. From subtle passages to dynamic sound effects, it will play them clearly.

### HDMI Output Terminal

It's equipped with the newest digital interface HDMI output terminal, which lets you transmit high definition digital images to the latest generation HD Displays.

### Critically Acclaimed DVD Reproduction Technology

It's fully loaded with the high quality image technology of DENON DVD players. It will give you sharper, clearer images, even the largest of screens.

### USB Terminal

It is equipped not only with a dedicated terminal to connect an iPod, but also with a widely used USB terminal, so you can play music files (MP3/ WMA) recorded on many popular portable players.





# DENON Quality

Ever since it was founded in 1910, DENON has been supported by music fans as the leader of the audio industry through its development of stereo electric gramophones and the world’s advanced PCM/digital recorders.

Even today where records have evolved into CDs and DVDs, and 'stereo' systems have expanded to the level of Theater-like reproduction of audio and video, DENON continues to develop and manufacture its products, that receive a high acclaim for quality, performance and reliability around the world.

The S-101/301 embodies all the technology, experience, and passion that has driven us for a very long time.

### European Sound Tuned Speakers

- The S-101/301 speakers were targeted to have internationally accepted sound reproduction, so we designed and constructed high definition speakers based on DENON speaker technology. Then we employed “European Sound Tuning” which was conducted by experienced European sound engineers.
- All speakers are specifically designed for matching and fitting along side flat-panel displays, with high-quality sound that matches their striking cosmetic. The S-301 satellites feature a vertical line design with a punched metal front and aluminum sidebar with cabinets made of metal filling plastic in order to decrease unwanted vibration; the S-101 speakers are distinguished by their clean horizontal-line design, and light gray grille cloths.

### Vibration Control Design

With equipment, like DVD players, which operate by spinning discs at high speeds, vibration occurs in the process, which can badly affect the quality of sounds and images. S-301 uses a metal powder mixed case for the speakers. This improves the stability of the product and controls the noise generated from vibrations, which adds to achieving clear sound and image reproduction. Also, we use a DENON original high quality drive mechanism which actualizes stable disc rotation and concise signal reading, thereby adding further to the finest in sound and image reproduction.

### DENON Developed High Quality Sound Reproduction

The DENON original AL24 Processing technology found on our A/V receivers and DVD/CD players is built into the S-101/301, which allows more natural sound reproduction of digitalized music signals. You can enjoy clearer, more natural sounds when playing your DVDs, CDs, and music from portable players.

### High-End DVD Player Comparable High Quality Image Reproduction Technology

The S-101/301 uses top caliber technology to reproduce the finest video images. It is loaded with high level video technology, such as high definition image progressive scan and the video conversion technologies, both used on our critically acclaimed DVD players/AV receivers, thereby bringing out every detail and nuance from your DVDs.

# Technical Notes

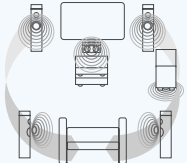
### Surround Sound and 5.1-channel Home Theater

#### Surround Sound

Surround Sound refers to acoustical effects technology that enhances ambience in a given space. It is widely used in the reproduction of audio playback in film productions, delivering the realistic sound effects of perspective, motion, and localization through multiple speakers surrounding the audience in cinemas or theaters. The home theater is designed to recreate in the home the same sound effects that you can enjoy in a cinema. Today, surround programs are not just limited to films but include television programs, concerts, orchestral performances, and other genres of music as well. Surround sound technology lets you enjoy movies and concerts at home as if you were in a real cinema or concert hall.

#### 5.1-channel Home Theater

The typical home theater for surround sound reproduction is equipped with six speakers, or more commonly referred to as 5.1. Normally two are in the front on the left and right sides of your TV, one is in the front center, and two more are in the rear at the left and right sides. Together they reproduce 5 channels, and the sixth speaker is a subwoofer that reproduces the deep bass sound. This is subwoofer is called the .1 because its frequency band is at the low end of the audible sound spectrum and is narrower than that of the other speakers.



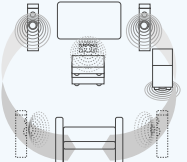
5.1ch Home Theater

#### Subwoofer

The subwoofer is dedicated to reproducing bass sound. Though ordinary speakers are equipped with woofers that also reproduce bass sound, the subwoofer is able to reproduce a much deeper and more powerful bass sound, hence the name "subwoofer".

#### Dolby Virtual Speaker and Dolby Headphone

Though home theaters use multiple speakers to recreate a dynamic ambience, not all homes have enough space or proper mounting locations to set up so many speakers. For listeners who wish to enjoy surround sound with fewer speakers, Dolby Laboratories, experts in cinematic acoustics, developed a new surround sound playback system called Dolby Virtual Speaker, which is included in the S-101/301. Dolby Virtual Speaker utilizes new-generation virtual surround sound technology to recreate from two speakers the same surround sound ambience that is possible with a 5.1-channel home theater with six speakers. And Dolby Headphone lets you enjoy these surround sound effects while listening with headphones.



Dolby Virtual Speaker

### AL24 Processing

AL24 Processing is original technology that DENON developed for its high-end CD and DVD players, and other components to reproduce the finest quality sound. AL24 Processing plays back musical recordings with a beautiful, more natural sound, allowing listeners to hear all the detail from the original recording.

### Progressive Scan

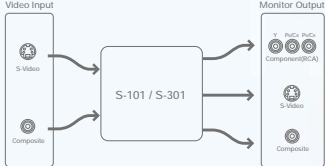
Ordinary televisions use a display technology known as interlacing to suppress flickering in moving pictures. Plasma televisions and other displays with high picture quality, however, handle twice as much information as displays with interlacing and therefore use Progressive Scan technology to display images with higher definition and clarity. The S-101/301 is equipped with Progressive Scan functions that flexibly support high-quality picture displays on plasma and other high-definition screens.

### HDMI (High-Definition Multimedia Interface)

HDMI is the latest interface (a method of connecting one device to another) that can transmit both audio and video signals in digital format over a single cable. The S-301 supports HDMI and transmits high-grade video and sound digital signals.

### Video Conversion

There are three basic systems for connecting A/V devices and televisions: Composite (used in ordinary video connections), S-video, and Component. When video information is transmitted from the A/V device to the television screen, S-video produces cleaner images than Composite, and Component produces cleaner images than S-video. The Video Conversion function converts the Composite input video signal so that it can be output to the screen as a Component or S-video signal. Since it can also convert S-video signals to Component or Composite signals, if a cable TV game console or VHS video deck is connected to the S-101/301, you can simply choose to use one of the three video systems when connecting the S-101/301 to the television display.



# S-301



# S-101



## Specifications

	■ S-301	■ S-101
<b>Audio section</b>		
Power output	70 W x 2 (4 ohm)	50 W x 2 (4 ohm)
Input Sensitivity/Input Impedance	200 mV/47 kΩ/ohms	200 mV/47 kΩ/ohms
Signal-to-Noise Ratio	93 dB (STEREO MODE, DIRECT MODE: ON)	92 dB (STEREO MODE, DIRECT MODE: ON)
<b>Tuner section</b>		
Band	FM/AM	FM/AM
Reception Frequency Range	FM: 87.5 MHz to 107.9 MHz AM: 520 kHz to 1710 kHz	FM: 87.5 MHz to 107.9 MHz AM: 520 kHz to 1710 kHz
Receiving Sensitivity	FM: 1.5 µV/ 75 Ω/ ohms AM: 20 µV	FM: 1.5 µV/ 75 Ω/ ohms AM: 20 µV
PRESET	Total:FM/AM:60	Total:FM/AM:60
<b>Video section</b>		
Video Output Level/Impedance	1 Vp-p/ 75Ω/ohms	1 Vp-p/ 75Ω/ohms
Standard Video Terminal	Y (Brightness) signal: 1 Vp-p/ 75Ω/ohms C (Color) signal: 0.286 Vp-p/ 75Ω/ohms	Y (Brightness) signal: 1 Vp-p/ 75Ω/ohms C (Color) signal: 0.286 Vp-p/ 75Ω/ohms
S-Video Connector	Y (Brightness) signal: 1 Vp-p/ 75Ω/ohms Cb/Pb (Blue) signal: 0.648 Vp-p/ 75Ω/ohms Cr/Pr (Red) signal: 0.648 Vp-p/ 75Ω/ohms	Y (Brightness) signal: 1 Vp-p/ 75Ω/ohms Cb/Pb (Blue) signal: 0.648 Vp-p/ 75Ω/ohms Cr/Pr (Red) signal: 0.648 Vp-p/ 75Ω/ohms
Component Video Connector		
<b>DVD section</b>		
Signal system	NTSC / PAL Selectable	NTSC / PAL Selectable
Disc Type (*1)	DVD-AUDIO, DVD-VIDEO, Super Audio CD, CD-DA, VCD, CD-R / RW(JPEG/Kodak Picture CD/WMA/MP3), DVD-R/RW, DVD+R/RW (Video mode)	DVD-VIDEO, VCD, CD-DA, CD-R / RW(JPEG/Kodak Picture CD/WMA/MP3), DVD-R/RW, DVD+R/RW (Video mode)
Analog Audio Output	Output Level: 2 Vrms (AUX3 OUT)	Output Level: 2 Vrms (AUX3 OUT)
<b>Speaker system</b>		
Type	2 Way 3 Speakers	2 Way 2 Speakers
Woofer	8 cm Cone Bass-mid x2	8 cm Cone Bass-mid x1
Tweeter	2.5 cm High range x1	2.5 cm High range x1
Magnetic Shields	yes	yes
<b>Subwoofer</b>		
Type	Active	Active
Woofer	20 cm Cone x1	20 cm Cone x1
Power	140 W	100 W
Magnetic Shields	yes	yes
<b>General</b>		
Power Supply	120 V AC, 60 Hz	120 V AC, 60 Hz
Power Consumption	85 W (74.5 W + 8 W (iPod) + 2.5 W (USB)) (At Standby: Approximately 0.7 W)	75 W (67 W + 8 W (iPod)) (At Standby: Approximately 0.7 W)
Dimensions (W x H x D)	Main unit: 380 x 97 x 250 mm (Foot height 1 cm) 14-61/64" x 3-13/16" x 9-27/32" (including feet, knobs, and connectors) Speaker system: 134 x 335 x 76 mm / 5-9/32" x 13-3/16" x 2-63/64" Subwoofer: 236 x 368 x 460 mm / 9-9/32" x 14-31/64" x 18-7/64"	Main unit: 380 x 97 x 250 mm (Foot height 1 cm) 14-61/64" x 3-13/16" x 9-27/32" (including feet, knobs, and connectors) Speaker system: 134 x 335 x 76 mm / 5-9/32" x 13-3/16" x 2-63/64" Subwoofer: 236 x 368 x 460 mm / 9-9/32" x 14-31/64" x 18-7/64"
Weight	Main unit: 4.2 kg / 9 lbs 4 oz Speaker system: 2.0 kg / 4 lbs 7 oz Subwoofer: 15.4 kg / 33 lbs 15 oz	Main unit: 4.2 kg / 9 lbs 4 oz Speaker system: 1.42 kg / 3 lbs 2 oz Subwoofer: 15.4 kg / 33 lbs 15 oz
<b>Accessories</b>	Denon original system cable x1, Denon original speaker cable x2, Video cable x1, FM indoor antenna x1, AM loop antenna x1, AC cable x1, iPod cable x1, iPod setup sheet x1, Quick setup sheet x1, Remote Controller with battery x1, Table Top Speaker stand x2, Wall bracket x2	Denon original system cable x1, Denon original speaker cable x2, Video cable x1, FM indoor antenna x1, AM loop antenna x1, AC cable x1, iPod cable x1, iPod setup sheet x1, Quick setup sheet x1, Remote Controller with battery x1, Table Top Speaker stand x2, Wall bracket x2

## Input/Output Terminals

	■ S-301	■ S-101
Analog Input	4 (incl. stereo mini x1(front panel))	4 (incl. stereo mini x1(front panel))
REC OUT	1	1
Digital IN		
OPTICAL / COAXIAL	1 / 2	1 / 2
Digital OUT		
OPTICAL	1	1
Video IN		
COMPOSITE / S-Video	2 / 2	2 / 2
Monitor OUT		
COMPOSITE / S-Video / COMPONENT / HDMI (*2)	1 / 1 / 1 / 1	1 / 1 / 1 / no
Video Conversion	Component conversion (Composite <-> S-Video, Composite/S-Video -> Component)	Component conversion (Composite <-> S-Video, Composite/S-Video -> Component)
USB / iPod	yes (front panel) / yes (front panel)	no / yes (front panel)
Headphone	yes	yes
RS-232C / Trigger out / Remote In/Out	yes / yes / yes	no / no / no

## Features

	■ S-301	■ S-101
<b>Amplifier</b>		
Virtual Surround Decode	Dolby Virtual Speakers (Reference/Wide)	Dolby Virtual Speakers (Reference/Wide)
Tone Control	Dolby Digital, DTS, Dolby Headphone, Dolby Pro LogicII, WMA, MP3, HDCD yes	Dolby Digital, DTS, Dolby Headphone, Dolby Pro LogicII, WMA, MP3, HDCD yes
<b>DVD Player</b>		
Progressive Scan	yes (DCDI)	yes
Video DAC	216 MHz/12 bit x2	54 MHz/10 bit
HDMI Scaler	420P / 720P / 1080i	no
<b>iPod Control</b>		
iPod type	3rd generation to latest generation (music / photo)	3rd generation to latest generation (music / photo)
Control	Remote, Front panel	Remote, Front panel
On-Screen-Display browse / Charge	(Play, Stop, Skip, Cursor etc basic control) yes / yes	(Play, Stop, Skip, Cursor etc basic control) yes / yes
<b>USB control</b>		
Player type	USB portable player / USB memory (Music)	-
Control	Remote, Front panel	-
On-Screen-Display browse / Charge	(Play, Stop, Skip, Cursor etc basic control) yes / yes	-
<b>On Screen Display</b>		
System setup / Help menu	yes / yes	yes / yes
<b>Other Features</b>		
	AL 24 Processing at STEREO/DIRECT mode, DDVC (Dual Discrete Video Circuit), Super Sub Alias Filter, NSV (Noise Shaped Video), Denon original drive mechanism, Picture Adjust (11 item), TIMER (EVERY DAY, ONCE, SLEEP)	AL 24 Processing at STEREO/DIRECT mode, TIMER (EVERY DAY, ONCE, SLEEP), Picture Adjust (5 item)

## Floor Speaker Stand for S-101/S-301

### ASF-S01 (Optional)

Dimensions (W x H x D):  
300 x 1,114 x 300 mm  
11-51/64" x 43-55/64" x 11-51/64"  
(Speaker system included)

Weight:  
7.0 kg/unit, 15 lbs 7 oz/unit



(\*1) Discs that have been poorly finalised following recording may be only partially playable or not playable at all.  
(\*2) Version 1.1 compliant. HDMI audio output capacity is dependent on the monitor being used. HDMI outputs is HDCP compliant.  
Video cannot be viewed if connected to a monitor that does not support HDCP. Video can be viewed only on HDCP-compliant monitors.

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More info at: [http://blog.denon.com/s301\\_101/](http://blog.denon.com/s301_101/)

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