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 theaters 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.
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 in 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 sidebars 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 player, which operate by spinning discs at high speeds, vibration occurs in the process, which can badly affect the quality of sounds and images. S-101 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 digitized 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/A/V 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 6 because its frequency band is at the low end of the audible sound spectrum and is narrower than that of the other speakers.

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 ambiance, 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 ambiance 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.

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 S-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 HVS 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.
**Specifications**

### S-301

**Audio section**
- Power output: 70 W x 2 (4 ohm) 200 mV/47 kΩ
- Power output: 50 W x 2 (4 ohm) 200 mV/47 kΩ
- Power consumption: 75 W (67 W + 8 W (iPod)) (At Standby: Approximately 0.7 W)
- Power consumption: 85 W (74.5 W + 8 W (iPod) + 2.5 W (USB)) (At Standby: Approximately 0.7 W)
- Power supply: 120 V AC, 60 Hz

**Video section**
- Output Level: 2 Vrms (AUX3 OUT)

**DVD player**
- AV: NTSC / PAL Selectable
- Output Level: 2 Vrms (AUX3 OUT)

**Audio section**
- Audio section: 140 W
- Magnetic Shields: yes
- Woofer: 20 cm Cone x1
- Power: 140 W
- Subwoofer: Active
- B/PB (Blue) signal: 0.648 Vp-p/75 Ω
- Y (Brightness) signal: 1 Vp-p/75 Ω
- C (Color) signal: 0.286 Vp-p/75 Ω
- Speaker system: 134 x 335 x 76 mm / 5-9/32” x 13-3/16” x 2-63/64”
- Weight: 7.0 kg/unit, 15 lbs 7 oz/unit

**Amp**
- Digital OUT: AL 24 Processing at STEREO/DIRECT mode,
- 54 MHz/10 bit
- Power output: 54 MHz/10 bit
- Dolby Virtual Speakers (Reference/Wide)
- Dolby Digital, DTS, Dolby Headphone, Dolby Pro LogicII, WMA, MP3, HDCD
- Yes

**Video section**
- Video section: 10 cm Cone Bass-mid x1, 12.5 cm High range x1
- Power: 10 cm Cone Bass-mid x1, 12.5 cm High range x1
- Total: FM/AM:60
- Signal system: NTSC / PAL Selectable
- Video DACHDMI Scaler
- Headphone RS-232C / Trigger out / Remote In/Out
- DVD Player
- Input/Output Terminals
  - Audio section
    - Power output: 54 MHz/10 bit
    - Power: 54 MHz/10 bit
    - Power output: 54 MHz/10 bit
    - Power: 54 MHz/10 bit
    - Amplifier
      - Digital OUT: AL 24 Processing at STEREO/DIRECT mode,
        - 54 MHz/10 bit
        - Power output: 54 MHz/10 bit
        - Dolby Virtual Speakers (Reference/Wide)
        - Dolby Digital, DTS, Dolby Headphone, Dolby Pro LogicII, WMA, MP3, HDCD
        - Yes
      - Video section
        - Video section: 10 cm Cone Bass-mid x1, 12.5 cm High range x1
        - Power: 10 cm Cone Bass-mid x1, 12.5 cm High range x1
        - Total: FM/AM:60
        - Signal system: NTSC / PAL Selectable
        - Video DACHDMI Scaler
More info at: http://blog.denon.com/s301_101/

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