



Denon and Dolby Laboratories Announce World's First Audio Product with Dolby Virtual Speaker Surround Sound Technology

New D-M71DVXP DVD receiver system incorporates latest innovation from Dolby Laboratories to deliver unprecedented virtual surround sound realism

Pine Brook, NJ, July 14, 2003--Denon Electronics and Dolby Laboratories, two industry leaders in home entertainment technology, have announced the US debut of Denon's D-M71DVXP, a DVD receiver system that is the world's first audio/video product to incorporate Dolby® Virtual Speaker surround sound technology. Comprised of an integrated DVD/receiver unit, two satellite speakers, and a subwoofer, the compact, elegantly designed system provides a remarkably realistic 5.1-channel surround listening experience that is far superior to any previously available virtual surround process.

Key to the D-M71DVXP's outstanding picture and sound reproduction quality is the inclusion of advanced video D/A converters and digital video processing, as well as the same advanced Analog Devices Hammerhead SHARC 32-bit DSP audio processors used in Denon's acclaimed AVR-5803 and AVR-3803 audio/video receivers.

Stephen Baker, Denon Senior Vice President of Sales and Marketing, pointed out, "Denon's philosophy has always been to utilize the most advanced audio and video technologies to deliver the best home entertainment experience to our customers. Being the first consumer electronics company to offer Dolby Virtual Speaker technology in a product exemplifies this commitment once again. Thanks to Dolby Virtual Speaker, our D-M71DVXP delivers a level of sonic performance that would simply not be possible otherwise."

Craig Eggers, Director, Consumer Technology Marketing, Dolby Laboratories, noted, "The Denon D-M71DVXP is the perfect component to showcase the benefits of Dolby Virtual Speaker--it's exactly the type of compact, performance-oriented system that the technology was designed to enhance. The technology gives a significant number of consumers whose lifestyles simply cannot accommodate a 5.1-channel speaker system the ability to enjoy true high-quality surround sound home theater. The D-M71DVXP is the perfect solution for smaller home listening rooms, apartments, dorm rooms, or anywhere great multichannel home entertainment is desired from a compact system."

A Breakthrough in Virtualized Surround Sound

Dolby Virtual Speaker technology is a practical alternative to multispeaker systems, and utilizes breakthrough digital audio processing techniques to yield the most accurate and natural virtualized surround sound listening experience ever achieved. Using a proprietary process, it delivers a realistic 5.1-channel surround sound experience using just two stereo speakers, and with the addition of Dolby Pro Logic® II decoding-- included in the D-M71DVXP--the process can enhance the playback of any program material, from stereo music CDs and MP3 files to 5.1-channel DVDs and broadcast content encoded in Dolby Digital.

Dolby Virtual Speaker utilizes a proprietary technique that re-creates, in their entirety, the multiple, complex sonic signatures that the listener would ordinarily hear from a properly positioned 5.1-channel speaker setup. Most virtualizers on the market today limit their processing to the direct sound, overlooking a significant portion of the sonic signature essential for producing a convincing 5.1-channel virtualized surround sound field. The result is often an "enhanced stereo" listening environment.

Dolby Virtual Speaker ensures the integrity of the virtual 5.1 soundfield by reproducing the entire sonic signature, and its multiple reflection tails, which can often vary significantly in level and spectral balance from the direct sound. The further addition of crosstalk cancellation, maintains the integrity of each processed signal, thereby ensuring a highly realistic and natural sounding 360 degree sonic environment.

The D-M71DVXP: Stylish Design, Exceptional Performance

The Denon D-M71DVXP combines true component-quality audio and video performance with stylish, space-saving design. Its single-chassis DVD player/receiver delivers superlative picture and sound quality, featuring a progressive scan DVD player that can play back DVD-Video, CD, CD-R/RW, VCD and CD-DA discs, as well as MP3-encoded CDs. The integrated DVD player/receiver's advanced video D/A converters and digital video processing provides sharp, high-resolution images, and the leading-edge Analog Devices Hammerhead SHARC DSP audio processors ensure the ultimate in refined audio performance. In addition to Dolby Virtual Speaker, the DM71DVXP also incorporates Dolby Headphone signal processing. Dolby Headphone delivers a natural-sounding surround sound listening experience from any set of connected headphones. It is an ideal technology for late-night movie viewing, video game play, or private listening to audio- or video-based entertainment.

The D-M71DVXP includes a 20-watt per channel stereo amplifier to deliver clear, room-filling sound, along with an FM/AM tuner with 40-station preset memory tuning. The D-M71DVXP provides a host of additional performance and convenience features, such as a clock with sleep timer, bass and treble tone controls, and much more. The system offers a full complement of digital and analog video and audio inputs and outputs, including progressive-scan component video outputs.

The D-M71DVXP is supplied with two high-quality two-way speakers, each featuring dual 2-inch mid-bass drivers and a half-inch dome tweeter for rich, dynamic sound quality with a detailed midrange and extended, open highs. The system's 100-watt powered subwoofer rounds out the sonic spectrum with deep, articulate low-frequency performance. In conjunction with the D-M71DVXP's Dolby Virtual Surround function, the speakers and subwoofer deliver enveloping surround sound that draws listeners right into the onscreen action or musical performance.

The Denon D-M71DVXP DVD/receiver unit features a metallic silver chassis with an aluminum faceplate. The satellite speakers are housed in real aluminum with woodfinish end caps and light gray grille cloths, while the subwoofer has a wood finish.

The Denon D-M71DVXP DVD receiver system will be available September 2003 at a suggested retail price of \$999. In addition, a two-channel version without the subwoofer will be available for \$699 suggested retail.

Dolby Virtual Speaker technology and Dolby Headphone technology are both based on core algorithms developed by Lake Technology, Ltd., of Australia.

For more information, please visit www.usa.denon.com.

About Denon Electronics

From its beginning in the 1930s as a supplier of professional recording studio and broadcast equipment, Denon has become a world leader in the manufacture of the highest quality audio, audio/video, and software products. Denon is recognized internationally for innovative and groundbreaking products and has a long history of technical innovations, including the development and first commercialization of PCM digital audio.

About Dolby Laboratories

Dolby Laboratories creates technologies that intensify and enhance the entertainment experience. For nearly four decades, Dolby has been instrumental in defining highquality audio and surround sound in cinema, broadcast, home audio systems, cars, DVDs, headphones, games, televisions, and personal computers. Based in San Francisco with European headquarters in England, the privately held company has entertainment industry liaison offices in New York and Los Angeles, and licensing liaison offices in Hong Kong, Shanghai, Beijing, and Tokyo. For more information about Dolby Laboratories or Dolby technologies, please visit www.dolby.com.

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