

Dante™ card and new firmware for Sennheiser's Digital 9000 Series now available

Wedemark, 14 November 2014 – Audio specialist Sennheiser has announced the availability of its Dante™ card for the EM 9046 receiver, enabling the top-of-the-range Digital 9000 wireless microphone system to be integrated into Dante™ audio-over-IP networks. Also available are – as free downloads – the associated new Digital 9000 firmware version 3.0.3, and the new Wireless Systems Manager 4.2 with a set of optimised monitoring functions.



“With the EM 9046 DAN extension card, broadcast and live audio engineers can now easily integrate Sennheiser’s top-of-the-range wireless microphone system into a Dante™ network,” says Claus Menke, Head of Portfolio Management Pro for Sennheiser. “They benefit from the system’s exceptional sound with the incredible convenience of routing high-definition audio data via Audinate’s Dante™ Controller.” Dante™ works with existing network infrastructure using IP and Ethernet standards and offers hundreds of channels of high-quality audio. The networking solution is currently used by more than 155 pro audio manufacturers worldwide.

The EM 9046 DAN extension card is simply inserted into the expansion slot of the EM 9046 eight-channel receiver. Internally, the card features sixteen audio inputs to send the digital audio and command signals over the Dante™ network. Connection is via two Gbit RJ45 sockets that serve to either establish two redundant network circuits or daisy-chain the signals. The card works with sampling rates of 44.1/48/88.2 and 96 kHz at a resolution of 24 bits.



New Digital 9000 firmware

The new firmware version 3.0.3 for Digital 9000 can be downloaded free of charge at <http://en-de.sennheiser.com/service-support-services-software-downloads>. With this firmware update, the receiver's clock menu will be expanded to include a "MAN" (multichannel audio network) option, enabling the receiver to synchronise to the word clock of the Dante™ network.

Additional benefits of the new firmware version include the monitoring of up to four daisy-chained receivers via any of the receivers' monitoring outputs and the automatic assignment of frequencies after a scan. Engineers are now also able to scan just a 24 MHz portion of the spectrum instead of the entire booster range of 168 MHz. This increases speed in critical frequency situations.



The new firmware also includes the highly sophisticated refinements made by Sennheiser to address the near impossible conditions experienced during the 2014 Eurovision Song Contest. The event took place in a super-reflective venue with a near all-metal construction but the capabilities of the Digital 9000 system were enhanced still further to be

able to detect and cope with this extremely reflective environment. In addition to this advance, version 3.0.3 also ensures improved network capability with managed enterprise environments.

New Wireless Systems Manager software

Sennheiser has adapted its Wireless Systems Manager software to include a monitoring function for the Dante™ card. The new version 4.2 allows users to monitor the EM 9046's Dante™ audio streams from any point in the network, and to listen to the headphone monitor audio stream of connected EM 9046 receivers without any additional hardware.

WSM (Sennheiser Wireless Systems Manager) Software Version 4.2 is available from the same download address as the Digital 9000 firmware, or from <http://en-de.sennheiser.com/service-support-services-wireless-systems-manager>.

Captions:

Digital 9000.jpg: Sennheiser's top-of-the-range Digital 9000 wireless system is now Dante™-ready

Claus Menke.jpg: Claus Menke, Head of Portfolio Management Pro for Sennheiser
(Photo credit: R. Kruse)

EM 9046 DAN.jpg: The EM 9046 DAN card simply slots into the Sennheiser receiver, enabling Digital 9000 to send uncompressed HD audio data over a Dante™ network

EM 9046 DAN includes license from Audinate Pty Ltd under U.S. patent number(s) 7747725, 8005939, 7978696, 8171152 and other patents issued, see www.audinate.com/patents.

About Audinate and Dante™

Dante™ is the digital audio networking solution of choice for over 155 professional audio manufacturers in the broadcast, live sound, commercial installed and conferencing markets. Audinate's Dante solution builds on existing Internet (IP) and Ethernet networking standards and offers a migration path to emerging standards like AES67. Dante networking replaces point-to-point cabling and matrix switching solutions offering hundreds of channels of high-performance audio, control and monitoring across existing network infrastructure. Installation and management is simplified through a unique combination of plug and play technologies, saving enormous installation and long-term ownership costs. Audio sources attached to any network port are available everywhere throughout the network with signal routing defined by software, not physical cabling. Audinate also offers a comprehensive set of interfacing options for PC and Mac equipment (Dante Virtual Soundcard and Dante PCIe card) enabling simple integration of existing software applications with the audio network.

About Sennheiser

The Sennheiser Group based in Wedemark near Hanover, Germany, was founded in 1945 and has gone on to become a leading manufacturer of microphones, headphones and wireless transmission systems. Sales in 2013 totaled 590.4 million euros. Sennheiser employs more than 2,500 staff worldwide and operates plants in Germany, Ireland and the USA. The company has a worldwide network of subsidiaries in France, Great Britain, Belgium, the Netherlands, Switzerland and Liechtenstein, Germany, Denmark (Nordic), Russia, Hongkong, India, Singapore, Japan, China, Australia and New Zealand, Canada, Mexico, and the USA. It also has long-established trading partners in other countries. Georg Neumann GmbH, Berlin, a maker of studio microphones and monitor speakers, and Sennheiser Communications A/S, a joint venture making headsets for PCs, offices and call centers, are also part of the Sennheiser Group.

More up-to-date information about Sennheiser is available on the internet at www.sennheiser.com

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