



Press release

Audio and Video in Home Automation

- New applications based on the KNX Standard**
- CEDIA now Partner of KNX**

In the kitchen, pop-music is coming out of the speakers, in the bathroom an Italian aria is playing and a Dr. Seuss story can be heard in the kids' room. After only a few clicks on the computer or touch-panel, the desired music/sound can be heard in each room. Intelligent building systems technology based on the KNX standard provides variable control of multimedia technology throughout the entire home. KNX manufacturers are developing solutions for so-called multi-room systems which are becoming increasingly simple and convenient - for both the user as well as the installer. At the fair "Integrated Systems Europe 2009 (ISE)" over 15 KNX members are showing their own solutions for audio & video application in home automation. CEDIA (the Custom Electronic Design & Installation Association) has teamed up with the KNX Association in a reciprocal membership agreement which will involve working more closely together, including the development of a series of joint training and awareness initiatives.

AMX LLC, USA

The innovative NetLinx NXB-KNX Gateway communicates directly with KNX Control Bus Technology enabling the integration of all building devices/sub-systems with our NetLinx Control System. This gives installers total flexibility to deliver robust end-to-end solutions for building applications everywhere KNX is present. AMX products span control and automation, system-wide switching and audio/video signal distribution, and technology management. AMX is in homes and commercial buildings worldwide.

Armour Home Electronics LTD., U.K.

Systemline is a European leader in domestic audio & video distribution systems and now offers full VGA resolution colour touch screens offering two-way control of music servers, DAB/FM radio tuner, ipod (audio & video), lighting and heating via an RS232 based central hub. A KNX to RS232 interface gateway is used to connect the KNX system bus to the Systemline RS232 Hub. This gateway is configured to read and

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write group addresses required for lighting, blind, curtain and heating control.

AV Stumpfl GmbH, Austria

AV Stumpfl is producing control engineering for more than 30 years and works together with a network of international professionals from different areas like audio, video, light, projection, residential control and show installations. The iseo software is a universal control solution reconciling these different worlds, masterly visualised and controlled - media control, residential control, KNX home automation, digital signage with content management.

Albrecht Jung GmbH, Germany

The Facility Pilot software, installed on the Facility Panel, is a control center developed by Albrecht Jung GmbH & Co. KG. This software enables hi-fi audio systems to be integrated into the building control system. Thanks to the defined interface in the Facility Pilot, any supported hi-fi audio system can be connected. Volume and song/title selection can be controlled independently via the individual room controllers.

Busch-Jaeger. Germany

For this purpose, Busch-Jaeger entered into a cooperative effort with Bang & Olufsen, the high-end provider of digital surround-sound technology. The Busch-Jaeger ComfortPanel has an infrared interface with Bang & Olufsen's Beo4 and Beo5 remote controls. In conjunction with the remote control, not only are all of the Bang & Olufsen video and audio applications available for use - at the same time, the remote can also be used to "magically" provide optimal mood lighting.

COMM-TEC, Germany

Mobile control of audio/video technology, security technology and home automation with individually programmable graphical user interface. Powerful Touch Controller with 8,4" display for superior

graphical interfaces. The condition of KNX buildings and devices can be visualized. Operating system is Windows XP. Communication via the integrated Wireless LAN adapter. Coverage in buildings is 30 m. Runtime of battery pack is about 3-4 hours. Plastic/Aluminium enclosure. Docking station and power supply are included.

DIVUS, Italy

DIVUS Domus unites the supervision and control of numerous building control functions in one touch screen device. Beneath standard functions like shutters, light or temperature control, you are even able to view and control your TV, audio or multiroom system. The central unit DIVUS Domus KNXserver is connected to the KNX bus and can communicate to DIVUS Domus client panels (10,4", 15" and 19") via LAN. By using an additional module there is even the possibility to integrate an intercom solution in KNXserver, which can be controlled over the client PC's. DIVUS Domus has integrated speaker and microphone. Further functionalities are: remote access, SMS module, logic functions, scenarios, etc.

GIRA, Germany

Gira is working with another provider of high-end audio and video solutions - the Swiss company Revox GmbH. With the help of a special module, the Revox audio system can be connected via the KNX standard. The multi-room system can be controlled by the Gira HomeServer via the corresponding interface. The HomeServer can also be used to universally control other audio and video systems via the corresponding interface. Those interested in the fruits of the cooperative effort with Revox can experience it live in the showrooms of Gira Revox Studios.

ibs intelligent building services gmbh, Germany

Software for the supply of all multimedia applications and their contents (HiFi, video, Internet...) in the building as audio/video distribution system, Infotainment or Multiroom system. The connection to the HiFi-Periphery is made producer-independently by standard interfaces. Complete integration into the KNX-

Installation, for the operation of all KNX-Applications and Multimediafunctions by KNX-Sensors or e.g. iPhone/iPod Touch also freely configurable Graphic-Interface for Touchdisplays or TV-devices.

KOMTECH GmbH, Germany

With the KOMTECH multi room controller MRC A/V410 you only have to install one cable type for LAN, audio and video (Catx). All four video & audio-stereo input signals will be distributed to up to 10 zones. The zone outputs can be installed in every light switch frame program for discrete installation. A MRC System is controlled by KNX, RS232 & LAN (option). By using an IR module in the MRC A/V410, IR commands of up to four connected devices can be controlled directly by KNX. Using the integrated IR learner, IR codes are implemented into the unit without problems.

Merten, Germany

Merten's Internet-Controller from the merten@home series is another control option for audio and video products. Merten's KNX Internet Controller IC1-V2 REG-K is a control device which enables access to the building control system via Smartphone, laptop or handheld device. Not only does this provide the ability to manage one's choice of music from all over the world - up to eight web-cameras can also be connected to monitor the house.

NETxAutomation Software GmbH, Austria

Based on its easy handling with high stability and reliability it is most popular also for KNX audio, video and multimedia devices based on DA 2.0 or direct interface in building automations. The management of the whole KNX-technique can be done with NETxLAB Voyager visualisation over a touch panel. With a fingertip and the intelligent technique in the background you have all under control. With the know how as international market leader in OPC Server solutions NETxAutomation melted the new generation with modern IT technology and actual media applications. The touch sensitive screen achieves various requirements. Actual technologies like internet, email and music

and video distribution are also naturally as the communication with intercom or control of observation cameras. The solution for integration and management of the KNX devices is... NETxAutomation!

Revox GmbH, Germany

The Revox Multiroom System offers an open architecture for audio and video equipment. Thanks to the full modularity the Revox world offers sustainability in perfection. Via the M203 KNX interface the Revox system can be integrated in a building management system. Sources, scenes, volume and skip commands can be controlled by the push of just one button. Based on the status of the Revox system the Revox KNX interface provides feedback for the building management system (1bit and 14 character ASCII text) for every single room.

Russound, USA

Russound, the long time multi-room-audio specialist, shows at ISE booth 1/13 a KNX to RS232 module. This module connects the international KNX bus to a line of Russound multi-room-audio controller-amplifiers with different features. This line allows the installer to find the fitting combination of source inputs and audio zones for each private building project. In addition to source select and volume control it is possible to have an easy control of the sources. FM-tuner, musicserver and iPod can be controlled from any regular KNX keypad.

tci GmbH, Germany

The ambiente is a touch panel that offers easy handling and unique design for the smart home with KNX. The customer can choose out of systems made of glass, aluminium, with design elements in wood or coloured synthetic material. The ultra-flat design provides convenience and easy mounting. The ambiente is equipped with analogue-resistive touch, ambiente15 and ambiente19 also optionally with real-glass-touch. For connection with an intercom system, all systems can be equipped with PTT and have an infrared motion detector for energy-saving switch-on/off. The slight built-in touchpanel ambientomura can be

mounted horizontally or vertically and is suitable even for the integration in rooms with limited proportions.

VITY Technology, France

At ISE, VITY will present its VIMATY 70EIB/GLS, a 7 inches KNX LCD touch panel for Wall integration. It gives the possibility to command electric devices directly by KNX bus and audiovisual devices by it IR and Vity MBC port. It has a direct KNX port on twisted pair to connect and control any KNX device of any brands. It also has an IR wired output to control any audiovisual device like DVD player, LCD TV, audio amplifier, ... At least its MBC port enable the touch panel to connect Vity controllers to drive more I/O. 4 video inputs enable to display directly the monitoring of cameras or videophone.

WHD GmbH & Co. KG, Germany

To support KNX with their digital audio multiroom system DAM V3 6000, WHD (Wilhelm Huber & Söhne GmbH & Co. KG, Deißlingen / Germany) released the "DAM V3 KNX Link". Now you can control music distribution easily over KNX switch plates or TFT-displays. The configuration of the gateway runs with ETS®3 Professional software. A twisted pair cable (RJ45) is needed to connect the gateway to the DAM audio network (IP). The "DAM V3 KNX Link" was certified by KNX Association in June 2008.

The KNX audio and video solutions offer an abundance of options for technology enthusiasts and film freaks. Furthermore, the KNX standard provides numerous additional conveniences which make everyday life at home easier.

Pictures



NetLinx NXB-KNX (AMX LLC, USA, www.amx.com)



Systemline RS232 Gateway (Armour Home Electronics LTD., U.K., s6.systemline.co.uk)



Iseo (AV Stumpfl GmbH, Austria, www.avstumpfl.com/iseo)



Facility Pilot (Albrecht Jung GmbH, Germany, www.jung.de)



ComfortPanel (Busch-Jaeger, Germany, www.busch-jaeger.com)



CTouch Mobile (COMM-TEC, Germany, www.comm-tec.de/englisch/avit_en.html)



Domus KNXserver (DIVUS, Italy, www.divus.eu)



A/V Pusbutton (GIRA, Germany, www.gira.de)



m..myhome (ibs intelligent building services gmbh, Germany, www.macmyhome.de)



MRC A/V 410 (KOMTECH GmbH, Germany, www.komtech.de)



Internet-Controller (Merten, Germany, www.merten.com)



Multimedia over NETxKNX OPC Server (NETxAutomation Software GmbH, Austria, www.netxautomation.com)



M203 KNX (Revox GmbH, Germany, www.revox.eu)



KNX to RS232 Module (Russound, USA, www.mediacraft.de)



ambiente (tci GmbH, Germany, www.ambiente.de)



VIMATY 70EIB/GLS (VITY Technology, France, www.vity.com)



DAM V3 KNX Link (WHD GmbH & Co. KG, Germany, www.whd.de)

KNX Association is the creator and owner of the **KNX** technology – the worldwide STANDARD for all applications in home and building control, ranging from lighting and shutter control to various security systems, heating, ventilation, air conditioning, monitoring, alarming, water control, energy management, metering as well as household appliances, audio and lots more. **KNX** is the worldwide standard for home and building control with a single, manufacturer independent design and commissioning tool (ETS), with a complete set of supported communication media (TP, PL, RF and IP) as well as a complete set of supported configuration modes (system and easy mode). **KNX** is approved as a European (CENELEC EN 50090 and CEN EN 13321-1) and an International standard (ISO/IEC 14543-3). This standard is based upon more than 18 years of experience in the market including its predecessors, EIB, EHS and BatiBUS. Over 150 member companies worldwide from different application domains have almost 7000 **KNX** certified product groups in their catalogues. The **KNX** Association has partnership agreements with more than 30,000 installer companies in 80 countries.

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