

HOME AND BUILDING CONTROL PRODUCT AND TECHNOLOGY NEWS

This special edition HiddenWires and KNXtoday supplement covers technology for the residential custom install and KNX home and building control markets at ISE 2014. For further coverage, visit www.hiddenwires.eu and www.knxtoday.com or follow us via Twitter and Facebook.

The big news for the residential market this year is 4K. There may be a lack of 4K content at the moment, but once it does start arriving, your clients will want to be ready, and there are plenty of 4K switching, distribution and display products on show. For getting HDMI around the building there are also various solutions, including IP, HDBaseT and wireless. On the audio front, look out for products that emphasise the thrill of high-quality audio, including the new Auro-3D format, and systems offering source flexibility such as streaming Internet radio, network- or cloud-based libraries and music services. On the

visual front, there are high-quality media servers - at least one of which supports Blu-ray quality downloads - and plenty of projectors and screens. Indeed whatever the smart home application, you will find a solution at ISE, from remote power management to an indulgent automated bathtub!

On the KNX front, in addition to the KNX Association's stand comprising exhibits from some of its members, an increasing number of mainstream custom install manufacturers are embracing the KNX standard for applications including AV.

There is also a comprehensive training programme being run by CEDIA, new Residential and Commercial Solutions Theatres offering a range of free sessions, daily KNX seminars from Domonetio and training from exhibitors, plus the Smart Building Conference takes place the day before the show opens. Enjoy!

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KNXtoday is the international trade publication for KNX home and building control. A free newsletter subscription form is available online.

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Home Control

Core Brands (stand 1-P22) has expanded the ELAN g! home entertainment and control system with the addition of a new programmable thermostat, and new IP cameras and HDMI switchers. The gSTAT thermostat allows homeowners to heat or cool their homes from any location; supports a 7-day program and easily integrates with existing HVAC wiring. The IP cameras come in various enclosures, support full 1080P resolutions and integrate with g! software for viewing from any location. The HDMI switchers include full audio integration and let sound bars to be used as zone speakers.

CYP (stand 4-S65) is launching the DemoPad CENTRO 8 control processor. In combination with DemoPad's Android and iOS home automation software, the 19" rack-mountable CENTRO 8 allows integrators to offer all of the connectivity and control options necessary for commercial and residential automation installations in a sub GB£5000 package.

Control4 (stand 10-N114) is highlighting its dedication to interoperability using the Control4 Simple Device Discovery Protocol (SDDP). Also on display are the Control4 Wireless Lighting line-up and the Control4 Media Distribution Family. In addition, the Control4 stand is playing host

to new product announcements and demos from leading Control4 partners including LILIN, VoicePod, Leaf, Fusion Research, Extra Vegetables, and Autonomic.

Pro Control (stand 5-R78) is demonstrating its flagship processor, the ProLink.z working with the Pro24.z touchscreen controller to take full command of electronic systems. Also on show is the ProPanel app for incorporating Apple devices into control systems; the new iPro.8 companion remote to complement the Apple interface; and the Pro.rfz wireless range extender that extends the ProLink.z's 2.4GHz ZigBee wireless network to additional areas of the home.

Comprehensive security & automation.

Leviton provides reliable, powerful, and affordable control over security, lighting, temperatures, and entertainment devices, all from the palm of your hand.

Join Leviton @ ISE: Booth #5-R119

Learn more at www.leviton.com/automation

LEVITON



Pre-Show Events

Monday 3 February 2014

Smart Building Conference

Location: RAI Conference Centre

Time: 09:00 - 17:30

After drawing over 150 delegates to its first two events, the Smart Building Conference returns to Amsterdam. Repeating the successful twin-track formula, allowing delegates to focus on either residential or commercial buildings, the Amsterdam event will help to make the Smart Building dream a reality by encouraging different industries to work together, integrating the various technologies that make buildings smart. The conference will be complemented by a table-top exhibition area and will provide a unique opportunity for attendees to gain the information and contacts they need to play a bigger role in the development of intelligent buildings.

Kick-Starting the Market for Building Automation: ISE 2014 Keynote Address

Location: RAI Forum

Time: 18:00 - 19:00

Dirk Schlesinger, the global lead for manufacturing industries of Cisco Consulting Services, will present the opening Keynote Address. Titled 'Kick-Starting the Market for Building Automation', Schlesinger's speech will give an exclusive insight into how a new cross-industry initiative set up by Cisco, ABB, Bosch and LG will transform the world of smart building technology by offering a common standard for data exchange across multiple appliances and disciplines.

ISE Opening Reception

Location: RAI Auditorium Lounge

Time: 19:00

All pre-registered attendees are invited to the opening reception hosted by InfoComm International and CEDIA. The reception is a great chance to network on the eve of the opening of the show doors.

Bitwise Controls (Home Cinema Europe stand 1-N53) is showcasing its scalable and flexible automation controllers, as well as apps, modules, and GUIs. Bitwise is also serving as the control system for the Home Cinema Europe stand, which features products from ADA, Screen Innovations, Tributaries, D-Tools, DVDO and others.

WyreStorm (stand 5-U86) is launching the WyreStorm Enado AV system controller and user interface. Enado comprises a browser-based configuration tool and a rackmounted controller with 16 assignable IR ports, 8 integrated IP ports, an array of contact closures, built-in secure Wi-Fi for local Internet-enabled devices, and LAN support. The GUI acts as a traditional app using any iOS or Android device, and is designed to be installed without programming experience.

User Interfaces

RTI (stand 5-R78) is introducing the CX7, a wired user interface for 'always on' countertop or under-cabinet control over AV, environmental, and security systems in any setting, from the kitchen to the boardroom. RTI is also showing the new T3x flushmount 3.5" LCD touchscreen with programmable hard buttons; the KX1 in-wall keypad for multiroom audio control; the KX3 advanced in-wall controller; the T2i and T2x wireless control interfaces; and the CCM-1 for use with Lutron RadioRA 2 devices.

Crestron (stands 2-C24, 2-E24 and 2-E36) is showing the new TSW-552, TSW-752 and TSW-1052 touchscreens. These support voice command recognition and on-screen web browsing. Also on show is the new TSD-2020 1080p display which provides a capacitive 20" touchscreen at 1080p resolution.

AMX (stands 1-F2 and 1-F6) is introducing a new line of Modero X Series G5 touchpanels. Designed to be faster, easier to use and visually superior, the Modero X Series now features the ability to run apps and browse the web. Meanwhile, the new

Modero S Series of touchpanels are designed to offer homeowners design and functionality at a very attractive price point.

Savant Systems (stand 7-N200) is showcasing the Wi-Fi-based Universal Remote Control. Once connected to the network, this remote is self-configuring, eliminating the requirement for complex programming. Also on show are SmartLighting Wi-Fi-based lighting control products. These feature a dimmer inside each double-gang Wi-Fi-connected keypad that can be used as a standalone lighting control platform or as part of a complete Savant automation system.

Having won the CEA Mark of Excellence Award for Human Interface Product of the Year, **Leviton (stand 5-R119)** is announcing a free firmware update for the OmniTouch 7 touchscreen, adding three new interface offerings for Spanish, French and Italian languages. The latest capacitive-touch, glass-front touchscreen features a 7" high-resolution screen for controlling security, energy and entertainment settings.

Vantage (stand 1-N6) is showing the new Equinox LCD touchscreen and companion mobile Android and iOS device apps for controlling lighting-centric integrated control systems. The Equinox family of products are designed to provide a simple yet customisable interface when linked to the Vantage InFusion system.

Amber International (BMB Electronics stands 1-P18 and 1-P19) is showing the URC Total Control system, which now works with an increased variety of third-party products and streaming services. Following on from Extra Vegetables' recent two-way Sonos integration module for URC Total Control, further modules for two-way control of DIRECTV, Roku, Popcorn Hour/Popbox and Dune HD are now available.

Light and Shade Control

Exhibiting at ISE for the first time, **QMotion UK (stand 5-U72)** is showing wireless automated shading systems for a range of applications. Originating from the USA, these

The All New
CX7

EXPERIENCE AERODYNAMIC CONTROL





Counter-Top



Under-Cabinet

rticorp.com

- 7" WVGA LCD with Capacitive Touchscreen
- Analog Audio & Video Inputs
- Microphone
- Camera
- Wireless and Wired Ethernet with PoE
- Stereo Speakers
- Proximity Sensor
- Ambient Light Sensor





HD surveillance solutions.



Creativity
Progress &
Excellence

Introducing LILIN's range of award winning HD security products, from megapixel cameras to network video recorders.

Our end to end HD surveillance solutions are perfectly suited to the high end residential, leisure and entertainment sectors. Simple to operate and easy to integrate, they provide a smart, convenient and efficient home solution for the user. Backed by over 30 years of innovation, performance, quality and support, LILIN is fast becoming the preferred manufacturer of HD cameras and recording systems to the global home automation and custom installation market.

Visit us on the Control4 stand:10-N114.



Are you a Control4 Dealer interested in LILIN products?

LILIN IP video products are now available at www.control4.com/dealer

www.LILIN.tv
+44 (0) 1908 443667

CEDIA Training & Certification

CEDIA training can be booked via ISE online registration at www.iseurope.org/register or visit www.cediaeducation.com.

Monday 3 February 2014

- Home Cinema Design Workshop
- Let's make Money
- Residential Networking

Tuesday 4 February 2014

- Standardising Your Business Model
- Technology and Consumer Trends
- Designing Residential Energy Management Systems
- The Art of Project Documentation

Wednesday 5 February 2014

- Project Management Skills for the Technician & Designer
- Remote System Access: Methods, Security & Best Practices
- 4K Video Compatibility and HDMI System Design
- Social Media for Business

Thursday 6 February 2014

- CEDIA ESD1 Certification Exam (including Revision Session)
- CEDIA EST2 Certification Exam (including Revision Session)
- CEDIA Residential Networking Specialist Exam (including Revision Session)
- THX Video Calibration Levels 1 & 2
- Wireless Residential Networking

Residential & Commercial Solutions Theatres

ISE will also host a wide range of free-to-attend sessions in the new Residential Solutions Theatre (stand 7-W180) and Commercial Solutions Theatre (stand 8-H310). The full programme can be found at www.iseurope.org and includes:

Tuesday 4 February 2014

- Introduction to immersive sound
- Bringing home entertainment into the hotel space: Rydges Hotel case study
- A focus on the end user's experience of AV and automation in the cloud
- Smart Building Technology - Where we are, where we're going, where will we be?
- Moscow smart city case study
- Turn an Entire Home into a Connected Multimedia Entertainment Centre
- The Science of Lighting Design
- The Estoril Mansion Project
- Home Automation Standards and Applications

patented window treatments offer control via a remote, an iOS or Android device, as well as a manual override option for dual control. The wireless systems are battery powered with readily-available D-cell Alkaline recyclable batteries that are concealed within the tube and support operation for up to five years.

Lutron (stand 1-N100) is showing how dealers can grow their businesses by providing extensive control of natural and electric light integrated with AV, HVAC or security systems. On show for the first time is Lutron's new range of battery-powered roller blinds and new keypads and finishes. The company is also introducing its LED dimming solutions and displaying OEM partnership fittings.

Home Cinema

Sony (stand 1-H95) is returning to ISE with its Beyond Definition vision that includes the VPL-VW500ES 4K home cinema projector. The VPL-VW500ES supports 4096x2160 resolution and HDMI 2.0 to accommodate 4K/60P content, allowing action to appear smoother without the need for the electronic enhancement of pixels. In addition, the projector features a 4K upscaler which enhances 1080p content, allowing viewers to enjoy 4K images with their existing Blu-ray discs, even in 3D.

The Elpro Concept from **Projecta (stand 2-C42)** is designed to provide a stylish electric projection screen for wall or ceiling installation, where the case of the projection screen remains in sight. It provides a clean installation without any visible screws and is available in tab-tensioned and a non-tensioned versions up 340cm wide. It also offers customisation options and is available in any RAL colour to match the room.

The PolarStar projection screens from **Elite Screens (stand 6-H132)** are designed for superior ambient light rejection for 4K, 1080P and 720P and 3D content. Meanwhile, **Screen Excellence (stand 6-H150)** is displaying a line of woven reference fixed acoustically-transparent screens.

Media Servers

Kaleidescape (stand 1-M25) is presenting Cinema One, a simple-to-install and easy-to-use movie server at a more accessible price point. It supports Blu-ray and DVD quality movies imported from CD, DVD, Blu-ray disc or downloaded from the Kaleidescape Store. Cinema One stores up to 600 DVD or 100 Blu-ray quality movies and goes from zero to the start of a feature film faster than any Blu-ray player. Offering a family-friendly user interface and remote designed for children, it is the only movie system to support Blu-ray-quality movie downloads.

Autonomic (stand 5-R97 and Control4 stand 10-N114) is announcing enhanced functionality of its Mirage Media Server and Mirage Audio System with Control4 and RTI integration. The new Control4 module makes access to control drivers easier for the integrator and eliminates any need for license keys. In-house development also means faster access to updates. The iPad-based RTI module provides a new user experience, with easy and intuitive browsing of local content and streaming services via an interactive navigation screen.

The **OutClass (stand 8-H130)** server is designed to automatically store and convert movies into iTunes, ready to play on AppleTV and Apple devices. The process involves loading a CD, DVD or Blu-ray into the drive, and when it is completed, the disc will eject, ready for the next one. The result is 1080P and 5.1 Dolby Digital on all the connected TVs and Apple devices around the home.

Multiroom Audio

NuVo Technologies (stand 1-N6) is introducing the next generation player for its IP-based solution, the NuVo Wireless Audio System. The P3500 professional series player powers three separate zones simultaneously from a single rack-mountable unit, with an impressive 200W per zone. The P3500 can work in conjunction with NuVo's other wireless players to create a mastering-grade audio solution for up to 16 zones. All players offer streaming Internet radio and access to network-stored libraries, and feature convenient control through free apps for Apple and Android mobile devices.

Basalte (stand 7-Q190) is showing the Asano KNX-based multiroom audio system. Designed to allow sources and amplifiers to be located anywhere in the building, Asano supports uncompressed digital audio from any source to any room via Ethernet. It is powered by Bang & Olufsen ICEpower Class D amps and has advanced DSP control.

Giove Free from **Vivaldi (stand 2-E52)** is a multiroom audio system that does not require expensive wiring or matrices. Fitting the size of a standard 3-post in-wall backbox, or with an optional case, it offers each zone two channels of 25W, FM radio with RDS, a USB reader for audio files, a double aux input for external sources, a microphone for messages, power output for active speakers, subwoofers, and a remote control.

The Joy S118 from **Revox (stand 7-P180)** is an audio network receiver that combines high sound quality with the latest streaming technologies. Music and podcasts can be received through the integrated Internet radio, and access to the digital content of a home's network is designed to be simple. Mobile devices can be connected through a USB socket.

Wow Showing



KALEIDESCAPE CINEMA ONE

The Ultimate Movie Player for the Perfect Home Theater Experience

Visit Kaleidescape at
Integrated Systems Europe, booth 1-M25



kaleidescape

Residential & Commercial Solutions Theatres (cont.)

Wednesday 5 February 2014

- The new physics of invisible distributed mode loudspeakers in commercial and residential spaces
- Managing Lighting in the Home
- How to Reduce the Costs and Complexities of 4K Installations
- Key US & UK Residential Market Research Findings
- How Accessing CEDIA Education Can Help Your Business
- Using Science to Solve Speech Intelligibility and Sound Quality Problems in the Home
- The Best Seat in the House: A Guide to Home Cinema Design

Thursday 6 February 2014

- Using Science to Solve the Low Frequency Problem in Media Rooms and Home Theatres
- Emerging trends in high-quality home-cinema projection
- No Cost, Low Cost, Affordable Training Resources: How to get yourself or your staff up to speed in AV with limited time, and limited money
- 2014 - Emerging Residential Technology Trends
- Insight into 4K

KNX Seminars

Domonetio KNX Training Center (stand 7-N222) is offering free KNX seminars during ISE 2014 to demonstrate the main advantages of using KNX, the worldwide standard for home and building control. The KNX seminars will take place at 11:00 and at 15:00 on each day and can be booked via www.domonetio.com/en.

Manufacturer Training

Exhibitors including Crestron, Kramer Electronics, Pro Control, RTI and Steinway Lyngdorf are also offering free training.

Audio

Datasat Digital Entertainment (stand 5-U110) is showing the new RS20i with Auro-3D as the first home cinema audio processor to include full Auro-3D immersive sound. The company is also launching the LS10 audio processor. Designed at a price point for a wide range of home cinemas and media rooms, the LS10 offers fully-immersive 3D sound with speaker configurations up to 13.1. It supports Dolby TrueHD, DTS Master Audio and DTS Neo:Xm and is available as an option with Auro-3D. With the upcoming release of additional music and movies in the Auro-3D format, the RS20i and LS10 allow the home user to add both height and overhead channels to produce a truly immersive listening experience.

The new **Crestron (stands 2-C24, 2-E24 and 2-E36)** HD-XSPA is a 7.1 high-definition professional surround processor. As part of a whole-house AV distribution system it offers an integrated high-performance 8-channel amplifier delivering 140W into 8 ohms per channel, with a dedicated channel for a passive in-wall subwoofer. 4K video input is supported through the Crestron DM 8G+ input port, which can accept signal from any HDBaseT-compliant source, or any of 4 local HDMI inputs.

SpeakerCraft (CORE Brands stand 1-P22) is debuting several new integrator-friendly amplifier models. Two stereo amplifiers feature digital, high-current bridgeable amplification at 150W RMS per channel into 8 ohms (all channels) or 270W RMS per channel into 4 ohms. The multi-channel amps are fully configurable with auto-switching between 110V and 230V power supplies. The 16-channel version is web browser configurable, allowing each channel to select from any input or combination of 16 inputs, as well as EQ adjustment, volume level and high/low-pass selector. In addition, Speakercraft is announcing new aggressive pricing of its Profile series speakers.

Stealth Acoustics (stand 5-R117) is showcasing its latest amplifier designs,

including the all-new SA2400 dual-channel amplifier with built-in DSP. Rated at over 450W RMS per channel, the SA2400 uses a proprietary Class A/B output stage designed to be super-efficient, coupled to a traditional high-current power supply for professional output and long-term reliability. Each of the channels may be programmed via the front panel or USB using free software, for 11 bands of fully parametric EQ; high/low pass filters, limiters and delay and phase controls.

Loudspeakers

Core Brands (stand 1-P22) is showcasing the new Proficient Protégé series of speakers and subwoofers. This includes 31 models, all with a thin-bezel design that eliminates the wide plastic flange that surrounds many in-ceiling and in-wall speakers. For easy transitioning to Protégé, each model has been adapted from the existing design. Only the cosmetics of the speakers have been changed, not the acoustics. The product line includes speakers for every application, from the kitchen to the home cinema, including an in-ceiling subwoofer.

Steinway Lyngdorf (stand 11-P60) is launching the LS-R210 and LS-R212 boundary subwoofers. The company maintains that placing the woofers in the recommended corner position allows the first critical reflections and direct sound to arrive simultaneously at the listening position, thus improving sound attack and timing.

Stealth Acoustics (stand 5-R117) is demonstrating the latest addition to its StingRay family of advanced, all-weather outdoor speakers. The compact Stingray 6 measures just 15(w)x7(h)x4(d) inches and is designed to provide high-quality audio performance and reliability in a discreet, easy-to-conceal design that is ideal for swimming pool, garden, spa, and cinema projects, as well as themed entertainment and industrial paging applications. It is available in stock in matt white and flat black colours, but can also be fully customised using paint or exterior vinyl graphics.

STREAMING FOR SOPHISTICATED LISTENERS

Stream music all around the house from multiple iTunes libraries and the worlds most popular streaming music services with the new **Mirage Audio System**. The worlds most sophisticated music servers are now accompanied with state of the art digital amplifiers to deliver a heart thumping 100 watts of pristine streaming audio into as many as 96 zones. Zone out, rock on.



PANDORA ((SiriusXm)) SLACKER iTunes
 Spotify tunein Rhapsody last.fm

AUTONOMIC
 MirageAudioSystem.com

Stealth StingRay



Environmentally Durable Sound™

ISE Stand 5-R | I 7 (Hall C)



StingRay 6



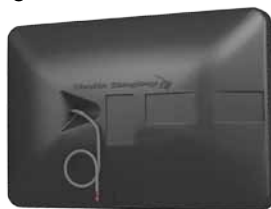
Hermetically Sealed
6" 2-way outdoor speaker



StingRay 8



Hermetically Sealed
8" 2-way outdoor speaker



SA 2400

High Current Amplifier with DSP



Outdoor Reliability You Can Trust

Stealth's family of StingRay hermetically sealed hi-fidelity speakers provide clear full-range sound and unprecedented environmental durability. There are no grills or openings in the speaker for moisture, dust or other forces of nature to enter. Nothing gets in. Only great sound radiates out.

With 6" and 8" two-way StingRay speaker models available you can pick the right size and performance level for any outdoor sound system or theater.

Stealth's all new 450W x 2 amplifier with fully adjustable DSP features massive yet reliable power and allows for quick setup, providing maximum impact and fidelity from any Stealth speaker.



IP68 CERTIFIED

The StingRay 6G and 8G outdoor speakers feature the highest level of ingress protection available - having proven themselves under water at 1 meter for over 60 hours.



- Totally protected against ingress of solids
- Protected against long periods of immersion

Stealth Acoustics

STEALTHACOUSTICS.COM

Switching and Distribution

The Just Add Power HDIP-2G from **HD Connectivity (stand 7-Q195)** is used for HDMI over IP-based video switching and distribution for commercial and large residential projects. Enhancements include an Image Push & Pull feature that allows JPEGs to be shown at screen locations instead of black screen. The Just Add Drivers software development program makes installing an HDMI over IP network as easy as possible. Primary turnkey drivers cover AMX, Control4, Crestron, RTI and ELAN, and eliminate the need to understand the inner workings of the HDIP network.

HD Connectivity (stand 7-Q195) is also showing the latest addition to the HDanywhere Modular 4K stackable matrix switchers. The new 8x8 chassis, which has 4K/60 resolution compatibility, allows multiple units to be stacked to create larger systems of 8x16, 8x24, 8x32 and so on. HDBaseT input modules are also available that allow decentralised, remote sources, for a games console or Blu-ray player for example, to be integrated with the matrix. Also from HDanywhere is the HDMI Signal Manager that ensures that each sink fed from a single source gets the type of HDMI signal which is best suited to its capabilities.

Crestron (stands 2-C24, 2-E24 and 2-E36) is revealing the HD-EXT3-C and HD-EXT4-C HDMI over HDBaseT extenders that transmit and receive 4K content using standard CAT5e/UTP cables over distances of up to 100m via HDBaseT. Meanwhile the DM-RMC-4K-100-C receiver and room controller provides a one-box interface for a single 4K display as part of a complete Crestron DigitalMedia system or connected directly to any HDBaseT source. It supports lossless audio, 4K video, Ethernet, RS-232 and IR control ports.

AMX (stands 1-F2 and 1-F6) is showing the Enova DGX that manages and distributes analogue and digital audio and video including HDMI with HDCP, control and Ethernet. It allows HDCP to be

integrated into system designs for plug-and-play operation, and scales video automatically for each connected display. Also on show is the new AMX Alero multiroom distributed amplifier. This compact 1RU chassis, that can operate even in confined, unventilated spaces, is designed to complement to the AMX Precip DSP distributed audio switcher.

Gefen (stands 1-M27 and 2-A42) is offering ToolBox 4K UltraHD Splitters for HDMI in 1:2, 1:4 and 1:8 configurations, all of which can deliver 4K content to all displays simultaneously with full HDCP compliance. The new Gefen ToolBox 4K UltraHD Switcher and Matrix for HDMI come in 4x1, 4x2, 4x4 and 6x2 configurations, can be controlled by local push-buttons, IR remote, a built-in web server interface, IP and RS-232 for integration into any automation system. There is also the GefenTV 60GHz Wireless Extender for HDMI and MHL; and the GefenTV 5GHz Wireless Extender for HDMI.

Among the 30 new products being launched by **CYP (stand 4-S65)** are 16x16, 8x16 and 16x8 HDBaseT matrices, 4K integration solutions; EDID management; HDBaseT integrated audio amplifiers; and HDBaseT extenders with advanced control.

Savant Systems (stand 7-N200) is showing a new family of multiroom media distribution products. This comprises three video distribution systems (8x8, 8x6, 8x4), an audio distribution system (32x20) and two HDBaseT receivers to accommodate a wide range of installation options.

Networking

Pakedge Device & Software (stand 5-S122) is showcasing the BakPak cloud and smartphone-based app. BakPak allows integrators to monitor and maintain their customers' systems, as well as store and backup data, from wherever they are in the world via iOS or Android devices or web browser. Quick and easy to set up, Bakpak works in combination with Pakedge's NP36 Cloud Appliance, allowing installers

to automatically discover then configure and manage Pakedge products and other manufacturers' devices on the network.

AVnu Alliance (stand 7-H195) is dedicated to the advancement of streaming audio/video by promoting the adoption of IEEE 802.1 Audio Video Bridging (AVB) standards over the network infrastructure. Its pavilion is demonstrating AVB being used for various types of traffic or media on the same network, such as audio, video, IP, control signals, wired and wireless networks.

Security

LILIN (Control4 stand 10-N114) is showing how the entire LILIN IP product range, from megapixel cameras to network video recorders (NVRs) can be used with Control4 systems. The PTZ (pan/tilt/zoom) function embedded in LILIN IP cameras allows users to move the camera, zoom and select presets all from the Control4 interface. Also on display is the NVR Touch, a standalone NVR that offers full integration with the Control4 remote, allowing 16 channels of HD IP video to be viewed simultaneously via HDMI, from the same platform that controls other appliances in the home.

Power Management

Furman (CORE Brands stand 1-P22) is showing the first BlueBOLT-enabled 220-240V Furman product, the F1500 UPS E uninterruptible power supply. Specifically designed for AV installations within EMEA countries, the battery backup and power conditioning device provides 1500VA of true sine wave battery backup to prevent data loss and allow the orderly shutdown of connected equipment in the event of a power outage. The F1500 UPS E features BlueBOLT remote power, energy and network management for real-time cloud-based control and monitoring of the energy used by electronic devices, easy reboots of locked-up electronics, comprehensive energy tracking and scheduled conservation.



DON'T JUST HOPE IT WORKS KNOW IT WORKS

Our engineers test 4K sources and displays in our DigitalMedia™ Lab before issuing the Crestron 4K Certified logo.

To get the facts about the challenges of 4K distribution
visit crestron.eu/4K

Visit Crestron at ISE 2014, [stand 2-C24](#)



Just Add **Power** Limitless HDMI Distribution Over IP Networks

Just Add **Power**
2G+
HD over IP™
Enhanced Gigabit
Power over Ethernet Receiver

HD
anywhere

8x8 Modular 4K HDMI Matrix
Made in Great Britain



kordz High Performance HDMI
World's First HDMI 2.0 Adopter



Connect. Extend. Control.

HD Connectivity offers an exciting & unique range of HDMI solutions for residential & commercial installations. This year we will be showcasing three brands: HDanywhere, Just Add Power & Kordz. With a focus on three different technologies: HDBaseT, HDMI over IP & native HDMI.

Mastering HDMI in 2014

ISE: Hall 7-Q195

kordz

HD
anywhere

Just Add
Power

Torus Power (stand 5-R128) is offering a variety of power conditioners, including the AVR2 Series, the newly-expanded TOT Series, and the original RM series. Designed to be reliable, affordable, and significantly improve sound and video quality and performance, the line of toroidal isolation power conditioners is available in shelf, rack and wall-mount configurations.

Wet Areas

Unique Automation (stand 1-N1) is showing the WoW Switch universal keypad, that can control home automation and lighting systems via RS485 or LAN. Fully customisable and waterproof, WoW Switch uses X and Y swipes for operation and includes a hidden temperature sensor. Also on show is the bathomatic bathler and SkyShower. The former is a bathtub featuring a hidden 24" TV, champagne chiller, up to 12 different scents, and 5.1 surround sound, and the latter is a personalised rain shower.

Mounts and Racks

Eve, from **Basalte (stand 7-Q190)**, is a wall-mountable iPad frame with a border designed to fit the elegant shape of the iPad. Eve is available in various high-quality finishes, and includes a puck USB charger.

Middle Atlantic Products (stand 1-N6) is showing a range of racking solutions, including new wood finishes for the C5 Credenza range of furniture-style rack enclosures, while Lowell 19" rack systems are being shown by **BMB Electronics (stands 1-P18, 1P-19, 1-Q14 and 1-Q20)**.

Cables and Connectors

HD Connectivity (stand 7-Q195) is featuring a live exhibit of the Kordz NEO-S3 and high-performance HDMI cables. Kordz NEO is designed to provide a new category of HDMI extension, alleviating concerns about passive HDMI cable redundancy by upgrading existing installations to the latest high-speed capabilities. New installations can extend to 30m on thinner, more flexible, easier to pull cable, reducing the mounting depth at both ends to just one inch.

ICE Cable Systems (stand 2-E40) is launching the Clear Series 2 HDMI cable. This features an ultra-compact head design, grip technology with up to 15lbs of pull-force, and transmits 1080P/60Hz signals in runs up to 100 feet without use of baluns.

Tools and Accessories

D-Tools (Home Cinema Europe stand 1-N53) is demonstrating the latest release of its flagship software platform, SIX 2013. This makes it faster and easier to perform

key functions such as estimation, system design and project management, and offers improvements in data and project management, QuickBooks and third-party integrations, mobile connectivity, and a major upgrade in the software's drawing capabilities. D-Tools is also showing the D-Tools iPad App, and the D-Tools Web Hosted Solution that provides cloud-based remote access and secure offsite storage.

Eyestones (stand 8-H140) is demonstrating the 'sync-box' recessed power and AV socket. Designed for use when installing ultra-thin wall-mounted flatscreen televisions, sync-box uses a standard double-socket space and the same Euro or Keystone modules that are already being used in the UK/Europe, but is recessed by 40mm. It has a unique cover plate which, when in location, has a slender 10mm profile.

Super Rod (7-T173) is offering rod kits in 5m, 10m and 16m versions, with various attachments. Also on offer are non-conductive rods, and the Super Cam wireless micro inspection camera that can record the route being taken.

KNX Home and Building Control

KNX Association (stand 7-N176) is hosting a number of its member manufacturers offering products for home and building control using the KNX standard: The Touchzone from **Divus** offers visualisation using the Android operating system, and can also be used as an intercom using Divus or third party apps. It can be used with multiroom systems and for complete music management using systems such as AMX, Revox, Crestron, trivum and Control4. The Corlo Touch range of designer sockets and push-button controllers from **Elsner Elektronik** features integrated temperature sensors, glass surfaces and chrome-plated frames. The Corlo Touch KNX display controls room temperature, shades, ventilation and light via the KNX bus. A 'WL' model communicates over W-LAN, allowing websites or images from an IP camera to be displayed, as well as smartphone control. ITP 1000 VOIP intercom from **EMT controls** is an intercom with vandalism protection, touch through glass technology and an embedded RFID reader. Designed for multi-dwelling units and luxury residences it delivers full-motion video over IP and stable wideband audio for clear communication in the home or business. The ITP 1000 comes in shiny black and cream white and has various display options. The KNX proServ controller from **iKNiX and Bleu Comm Azur** has a new product database that allows the whole user interface to be designed using standard ETS software. All that is required is to download the ETS parameters to proServ, connect an iPhone, iPad or Android device,

and it will be configured in seconds. The new AudioBox from **trivum** is a retrofit music system in a high-quality aluminium frame. It acts as a streaming client of network drives, Internet music services, Internet radio, Apple AirPlay, and an FM tuner, with integrated digital amplifiers and a powerful DSP. The trivum AudioBox can be combined with all trivum audio actuators for multiroom applications, and it is fully compatible with existing KNX systems.

Other KNX-related exhibits include Asano from **Basalte (stand 7-Q190)**. This KNX-based multiroom audio system comprises different devices that can be programmed directly in ETS software. Basalte is also showing the Auro motion detector with a flat 1mm-high design; the Deseo standard lighting switch-sized home automation controller with built-in thermostat and display; and the Sentido touch-sensitive multi-switch with thermostat.

Savant Systems (stand 7-N200) is showing various Wi-Fi-based connected home solutions, as well as video tiling technology, both iOS and Android user interfaces, KNX integration, DIN rail energy management products and a suite of software demonstrations including RacePoint Blueprint, LiteWare and EMS (Enterprise Management).

Gira (stand 7-P180) is presenting a new KNX module for its Dual/VdS smoke alarm device. The module allows fault messages from a smoke detector to be linked to specific rooms so that appropriate automated counter-measures, such as lighting of escape routes, alerts etc, can be launched.

Iridium mobile (stand 7-N185) is announcing new site licenses for its Logic Machine KNX controllers. A license is assigned to the controller serial number and enables any iOS, Windows, Android or OS-X-based device to be used as a control panel and connect to the controller(s) exclusively.

Andivi (stand 7-S195), is releasing VIA, a building management/home automation system for iPad. This works with any KNX, Modbus or BACnet hardware and comes with a Linux micro server and rich API. It supports HVAC and light/shade control, a one-tap 'building hibernation' function, interactive floor plans, secure building data storage in the cloud, and different user-profiles for access to different building levels.

Autonomic (stand 5-R97) is announcing KNX compatibility with its Mirage Media Server and Mirage Audio System, enabling integrators to deliver a cloud-based distributed audio solution within the KNX platform. Using a KNX IP gateway, keypad control can be extended up to 32 zones, and 100 presets of programming selected from both local content and Autonomic's wide array of streaming Internet-based music services.



The worldwide STANDARD for home and building control

- 340 KNX Manufacturers
- One Standard (ISO/IEC 14543)
- One Tool (ETS)
- All Media
 - Ethernet (IP)
 - Twister Pair (TP)
 - Radio Frequency (RF)
 - Powerline (PL)

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