

hiddenwires



CEDIA Home Technology Event 2010 Supplement

Welcome to the CEDIA Home Technology Event 2010! This special edition HiddenWires supplement is designed as a quick reference for the show, and summarises a range of technology for the residential custom installer. For further coverage, visit cediaexpo.hiddenwires.co.uk.

Despite the inevitable spending cuts following the UK's General Election, by all accounts, the market is picking up. This is encouraging for custom installers, especially as the various sporting events this summer get into full swing, and more HD and 3D content become available to further generate interest in flatscreen TVs and HD projectors. Along with this is the continuing demand for high-quality sound, and there are plenty of innovative loudspeaker products and enhancements on show to meet all requirements.

This market is as much about looks as it is functionality, epitomised by products such as the iPhone and the recently-launched Apple iPad, for which plenty of home control Apps are already available. There are also many other new and good-looking controllers on show for fixed and portable applications, as well as ingenious solutions for hiding technology away.

On the practical side, there is much to see that helps make things work behind the scenes, with solutions for digital distribution, and tools for pulling and terminating cables. Finally, the growing focus on energy efficiency puts home automation in the spotlight. On show are some exciting new and further-consolidated products that integrate everything from lighting, shading, AV, security, HVAC and smart meters to baths. Enjoy!

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HiddenWires is the leading home automation trade publication in EMEA. Comprising an online magazine and an email newsletter, HiddenWires gets over 100,000 visitors every month and has over 14,000 subscribers. A free subscription form is available at www.hiddenwires.co.uk.

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Home automation

Legrand (stand B4a) is promoting Arteor. This covers a wide range of functions, from stand-alone switches to automation of lighting, temperature control, sound distribution and door entry, with Bus (SCS) and radio frequency (ZigBee) options for easy interfacing with other systems. The Arteor Bus products support DALI and KNX, while the Arteor ZigBee products allow for communication where cabling is not possible. The range supports fully customisable lighting and scenario controls, a 10-inch multimedia touchscreen, and a universal dimmer for all light sources, including compact fluorescent lamps and LEDs. The dimmer's bevelled profile gives the illusion that the switches and sockets are floating on the wall.

Crestron (stand B10) is showcasing the DigitalMedia system, designed for transporting high-definition video and audio over long distances using copper and fibre, and overcoming the problems often experienced in digital video installations. Meanwhile, for affordable, simplified control of music, movies, lights, thermostats and security from any location, Crestron is demonstrating how the new Prodigy system and the Prodigy composer can build a program for an AV and lighting system in one hour. Also on show is GreenLight which provides individual control for LED light loads and the ability to work with any LED transformer on the market; wireless solutions for the retrofit market; and extended offerings in keypads and faceplates.

Crestron is also being featured by

Unique Automation (stand A12) as an integration partner. This means that the bathomatic fully-automated bath management system can operate seamlessly in a Crestron systems environment, offering programmers a simplified drag-and-drop interface.

The **KNX UK Association (stand J12)** is presenting its CIBSE-approved CPD on KNX technology in two separate free sessions in the Conference Theatre on Tuesday 15th June and Thursday 17th June from 15:00-16:00 hours. The CPD presentation includes an introduction to KNX UK and KNX technology together with details on international standards. It will highlight the energy saving and other benefits of using KNX in home automation and intelligent building projects. Attendees will also find out about KNX-certified products and software tools.

Modular
ARTCOUSTIC Loudspeakers



ONE SPEAKER, ENDLESS OPTIONS

Artcoustic launch their brand new range at this year's CEDIA Home Technology Event. The new Modular system features just 2 models, but Artcoustic's typically innovative design brings endless options to the range. The Modular Satellite is the smallest and most affordable speaker Artcoustic has ever produced and at just H250mm x W78mm x D52mm it is perfectly suited to ever thinner on wall LED and LCD screens. The Modular Range also includes an LCR/centre speaker to match, a high performance subwoofer, as well as a complete 5 channel sound bar.

ARTCOUSTICTM Loudspeakers

Design by: Mr. Kim Donvig
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A new energy-monitoring module is being demonstrated by **Teletask Domotics (stand C12)**. As part of the Teletask whole-home control system, the module allows the user to keep track of their energy consumption over any time frame.

A new range of light switches, temperature displays and PIR detectors is on show by **Carlo Gavazzi (stand D4a)**. These are the first products in the Aurora family of wall fittings that complement the company's home automation system.

Lighting

Philips Dyalite (stand C6) is operating an exhibition-floor demonstration room comprising a mock boardroom equipped with a remote-controlled integrated lighting and AV control system with additional curtain and blind control. The system incorporates Philips Dyalite controllers, serial port interfaces and user control interfaces, as well as third-party control systems. All components are linked via Philips Dyalite's peer-to-peer communications serial bus network, DyNet. Also on show is the company's modular multipurpose controller range for home automation and hotel suite control applications; the Philips Dyalite 100BT Ethernet gateway series; and the Philips Dyalite RS232 serial port interface; Revolution Series 2 control panels featuring a slimline design and a wide range of grid, button and display options; and Revolution colour touchscreens with new glass fascias.

Controllers and accessories

Keene Electronics (stand F10) is announcing the KIRA128 IR over IP system and IR Panel Mount Receivers. The KIRA128 can learn up to 128 IR codes, while its built-in web server allows control pages to be accessed by any device with a web browser, from anywhere in the world, via TCP/IP. It also contains built-in support for a dynamic DNS client to cater for non-static IP addresses. The KIRA128 is compatible with 36-40kHz IR signals which covers the majority of domestic AV equipment, although a wideband IR

receiver is optionally available. Keene is also showing new IR Panel Mount Receivers in various finishes. These can be mounted within AV cabinets, studded walls and ceilings and have a visible diameter of just 30mm.

The Apple iPad is being featured by **Invision (stand D6a)** as a one-touch controller for the NetStreams DigiLinX system, allowing plug and play integration and control of AV, lighting, HVAC, curtains, blinds, TV lifts etc.

AWE (stands D8 and D10) is unveiling its own Kinetik brand, including the KLIR-SM1KIT surface-mount IR kit designed to extend communication between an IR remote control and source equipment; the KLIR-IRE2 dual infra-red emitter; and a CI speaker range. There is also an exclusive preview of the new in-wall control panel from Philips Pronto as well as Pronto's comprehensive range of controllers and accessories for two-way control, and complementary products from Polar Bear.

Access

The new Cult entry-phone from **Fasttel (stand F4)** can be mounted on or in a wall, or operated as a desktop unit. Housed in pearl-blasted aluminium and with the module and optional receiver designed in black glass, the unit is jet black at rest until awakened by contact. The visitor is put on the screen, with an indication of which door and which push button were used. MP3 files can be used as ringtones and assigned by door and by push button, while for security purposes, picture and speech recording of all calls is stored on a microSD card. Multiple cameras, both analogue and IP, can be monitored, and all modern smartphone capabilities are supported. Connection to automation systems is also possible via the integrated LON bus and optional I/O relay switch.

Intercom Elite (stand B3a) is displaying the Siedle range of video entry equipment. Designed to integrate seamlessly with leading home automation systems and offer a high-quality design solution for home entrances, these products also provide

additional functionality. The Siedle Scope is a video indoor station and a landline telephone in one device. Being cordless, it provides the user, no matter where they are, with a live update of who is standing at the door. Scope offers all of the functions of a video indoor station, including a hands-free function and a door release button, while also being a fully-fledged landline telephone with high voice quality and numerous comfort functions.

HVAC

Sensible Heat (stand G20) is announcing an iPhone and iPod Touch interface for its WebManager. The WebManager allows a user to remotely access a Hometronic heating control system from a PC within the house, or via the Internet. Users can adjust room temperatures, set a 'lifestyle' scenario such as 'No guests staying' or 'Away', turn on the hot water system etc, and also access other equipment such as a wireless electricity meter. The new interface adds the ability to browse this information using an iPhone or iPod Touch. There is no need to download a special App since the iPhone pages are already embedded in the WebManager, which will automatically serve the correct pages when it detects a browsing iPhone.

Multiroom

The Music Gateway and iPhone application from **HAI (Aldous Systems stand D2)** is a music server/renderer with three independent stereo channels. In addition to serving music, it includes HAI's WL3 software for remote access via the Internet, including web-enabled devices such as iPhones. WL3 can also be used to access home automation including IP cameras, with recording and playing capabilities based on motion, alarm, or door openings. The Music Gateway mounts securely in a structured wiring enclosure, and one or more stereo outputs can be connected to a multiroom audio system, including the HAI Hi-Fi system. For control, the fully customisable OmniTouch touchscreen supports selection by artist, title, genre or playlist, with display

NEW PRODUCTS! FREE TRAINING JUNE 17 NOON-2:00PM!

HAI Snap-Link for iPhone

HAI Music Gateway interface on OmniTouch 5.7e Touchscreen

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of album art and additional metadata. HAI is also running free training on 17th June from 12:00-14:00 in the Capital Suite Room 17.

NuVo (Habitech stand B8) is unveiling a series of whole-home audio innovations including a full-colour 3.6-inch LCD touchpad. The new Music Port supports 4 simultaneous sources, and pooling of a home's PC-based audio content, in Windows Media Player or iTunes formats, into a comprehensive library, while streaming audio from online services including RadioTime and LastFM. The Music Port Elite offers IP control for interfacing with AMX, Crestron, RTI, and URC. Developers can also write their own applications, and there is Cloud backup/synchronisation with an Internet-based music library, allowing access from different properties. For retrofit, NuVo is promoting the Renovia whole-home audio system. This uses existing electrical wiring and HomePlug power line carrier technology to deliver audio and metadata from multiple sources to multiple rooms. Also on show is the new lightweight Digital Power Amplifier with a slim, single-rack design and selectable ohm rating.

Naim Audio (stand B3) is promoting the concept of 'Music everywhere for everyone.' The company is showing NaimNet control systems for total house/building control of heating lighting, security, sound and vision, using touchpanels, iPhones and iPads. Also on show is the UnitiSystem for simpler installation and music in fewer rooms. This delivers music at Naim quality in up to six rooms, and wired or wireless connectivity, with easy control using remote controls or an iPhone or iPod Touch. The UnitiSystem integrates fully with NaimNet and so can be expanded beyond six rooms at a later date.

Loudspeakers and AV components

Stealth Acoustics (Habitech stand B8) is showing a complete upgrade of its invisible speakers that mount into a wall or ceiling, and become completely invisible upon finishing. The upgrade from the existing FX series to

the new Linear Response (LR) series consists of a materials change, resulting in easier installation and increased performance across the entire product line. The first upgraded model is designated the LR6, with new LR8, LR3 models and revamped subwoofers to follow as existing inventory of older FX models is depleted. Replacing the entry-level FX6 speaker, the LR6 retains the same easy-to-work-with footprint, classic 6-inch woofer, neodymium tweeter, and protected crossover that is present in previous versions. The new ultra-smooth face panel material boasts higher power handling and a more natural sound.

Artcoustic (stand C10) is launching four models of the Modular range. The Modular Satellite is the smallest and most affordable speaker Artcoustic has produced, and at just H250mm x W78mm x D52mm is suited to ever thinner on-wall LED and LCD screens. The Modular range also includes a matching LCR/centre speaker, a high-performance subwoofer, and a complete five-channel sound bar. The standard Artcoustic speaker screens are available, but for the client to add more interesting design elements, the standalone Modular Satellite can be upgraded with oversized baffles and printed designs to ensure it suits any system and interior design. In addition to Modular, Artcoustic is launching an upgrade to its subwoofer range, including the new Linux subwoofer that features a 10-inch bass unit.

Current Audio (Habitech stand B8) is introducing FastLoc, an enhancement to its range of Focussed Image Technology (FIT) in-ceiling pivoting woofer/tweeter loudspeakers. The FastLoc system is designed to provide a cleaner, easier install by means of a loudspeaker grille that snaps into place and is almost invisible. Installers and end-users can now adjust woofers and tweeters more quickly, whilst ensuring they stay protected.

AWE (stands D8 and D10) is launching CI speakers from KEF, alongside the complete KEF Home Theatre range of surround sound systems, speakers and subwoofers. AWE is showcasing the Panasonic 103-inch 3D

screen and the newly-launched Panasonic Viera 65-inch 3D TV, plus the entry-level DF Solutions Sonix Multiroom Audio Server and the Base Media Server with full Blu-ray distribution. AWE is also previewing the Arcam Blu-ray player and the new R-DAC, which transforms any digital output into an audiophile-grade analogue signal.

Amina (stand C14) is exhibiting a 'Sound Wall' free-standing exhibition/point of sale stand that provides custom installers with a readymade demonstration unit to help potential customers understand the benefits of a loudspeaker that gets plastered over.

Something definitely designed to be seen are Zikmu 'in Color' wireless speakers. On show courtesy of **Parrot (stand D3a)**, these have a smart and aerial design by Philippe Starck, and are available in four colours, namely black, white, grey and yellow. The speakers are designed to work with digital devices such as iPod, iPhone, PC, Mac, and TV, providing a 360-degree immersive sound, crystal clear audio quality thanks to NXT technology, and precise control of all electrodynamic elements via a system of DSP processing and amplifiers. There is a dedicated docking station for iPod/iPhone, audio streaming from a PC via wi-fi and Bluetooth, audio streaming via Bluetooth Stereo (A2DP) for Mac computers and Bluetooth mobile phones, and an RCA line-in for connection to TV screens. New software includes a web interface with an iPod browsing mode, and an equaliser with presets.

For an easy retrofit, **BMB (stand B6)** is demonstrating the ebode LightSpeaker. This compact speaker, which doubles as a light, fits into a standard light socket and communicates wirelessly with a hub that supports up to four rooms.

Home cinema and lifts

Elite Screens (stand F20) is promoting the Lunette curved frame projection screen. Measuring from 85-inch to 166-inch diagonally, the screen is designed to eliminate the pincushion effect when the top and bottom centre of a widescreen projection

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appear to droop inward when projecting in a 2.35:1 format. Also on show is an in-ceiling projection screen.

The upgraded Sesame 2.0 recessed screen by Euroscreen is being hailed by **Draper Group (stand C9)** as the flattest possible tab tension model for HD projectors. In addition, the company is displaying projector lifts and fixed and rental screens, including the Draper StageScreen.

Future Automation (stand D5) is showing a range of new lifts, including the Under Bed Lift designed specifically for the new slimmer ranges of OLED screens; a gymnasium-specific mount; a new sliding panel mechanism that moves the TV out from a wall to rise upwards revealing the screen; and a horizontal floor hinge for flatscreens that is strong enough to walk on when closed.

AV distribution and switching

Connectivity UK (HDMI over IP stand B7) is debuting Just Add Power's 'HDMI over IP' second-generation (2G) technology. This uses an everyday IP network to stream Full HD 1080p HDMI signals to unlimited display locations. By adding a Managed Network Switch, a flexible, any-combination 48-port matrix can be created, providing dropout-free, instant source switching with lossless picture quality. Connectivity UK has released a range of ready-made 1G and 2G project drivers for the major home automation systems including Control4, Crestron, AMX and RTI (with more on the way), thus removing the need to write complex and unique control drivers for each managed switch an install may require. No IT knowledge is necessary as the driver software takes care of everything, including the initial configuration of a new switch.

Smart-e (stand F6) is showcasing upgrades to smartmix, an HDCP-compliant switching and distribution system for analogue and HDMI signals. The smartmix mixes analogue and digital signals together with local and remote connections within one unit. It uses a single CAT5/6/7/8 cable,

transmits HD-compatible signals up to 1080p up to 200m, allows HDMI source selection or analogue signal selection to any of the HDMI displays, and is designed to have low energy requirements. New additions include optional IP control through smartIP, providing comprehensive system management and configuration through a web browser interface; a larger-size 16 input x 16 output unit; a modular option for more flexibility; and the ability to upgrade on-site.

Liberty AV Solutions (CSE Custom stand D6) is announcing the arrival of the Intelix range to its portfolio. Intelix supplies complete twisted-pair distribution systems for audio, video, HDMI, DVI, and USB. These integrate matrix switching, intelligent distribution amplifiers, passive and digital extenders, upscalers and format converters. The Intelix system combines professional-grade scaling, format conversion, switching and extension up to 92 metres over single or dual twisted-pair cables. It routes up to eight inputs to sixteen destinations, even if the source is analogue, low-resolution, or has limited keys. Proprietary processing guarantees that the bandwidth for desired HDMI 1.3 elements, such as Deep Color and HD audio, is assigned to the required signals. The Intelix range includes DIGI-HDMI matrix switchers, CAT5 extension devices and DIGI-SCAL signal converters, which, in combination, will solve the vast majority of integration conundrums.

Habitech (stand B8) is launching the Vision HD range of HDMI products. These include matrix switchers, splitters, scalars and baluns. The majority of products are UTP (CAT5/6) cable based, and there are low-cost HDMI socket-only options available. All products are HDMI 1.3b compliant, ensuring true 24-bit Deep Color, and the matrix switchers and baluns have EDID fixing which ensures ultra-fast source switching and minimal handshake issues. A baluns extender option enables an HDMI signal to be run up to 250m using CAT5/6 cable.

New signal distribution and conversion products from Audio Authority are being

showcased by **Unicam (stand F11)**. These include the 2800 series HDMI over IP system, and signal distribution and conversion products that offer higher profit margins and the flexibility to distribute a mixture of analogue and HDMI signals over CAT5/6.

Asheridge (stand B1) is demonstrating the Purelink product range that covers HDMI, DVI, and 3G-SDI, from 4x4 up to 320x320 cross-platform modular matrixes with direct fibre and CAT5 I/O.

Cables and connectors

SCP (stand E12 and Habitech stand B8) is offering security, fire alarm, audio, coaxial, CCTV, LAN cable and accessories. Among these is the multi-core Home Networking Cable (HNC) for HD video, with an impressive bend radius. The HNC9 incorporates 2x 3GHz RG6 quad shielded coax cables for all HD satellite signals, 2x CAT6 cables for HDMI distribution and 1x CAT5e for an IP network or additional control. The HNC2 is offered as a close second, with 2x quad shielded RG6 coax cables and 2x CAT5e cables. The cost of HNC2 is the same as purchasing the cables individually. Also on show are very high-quality twisted pair cables, the HNC Pro and HNCPro Plus, which are individually certified.

For those looking for a tough, high-performance yet flexible cable for AV applications, **Maser Communications (stand E13)** is showcasing the ProSpeaker cable range. This consists of PVC and LSOH jacket variants with oxygen-free copper conductors, allowing for both domestic and commercial installs. Maser also provides a wide array of cable and connectivity products for the home AV and HD market. As a DNA partner for Belden, Maser offers products such as Belden HDMI cables that support standard, enhanced or high-definition video and multichannel digital audio on a single assembly. In addition, Belden's FibreExpress Brilliance Field-installation connectors for HD fibre connectivity offer reliable termination in less than five seconds and require no specialised tools.

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Meet the KNX UK Association at the Home Technology Event, stand J12, and attend the free CIBSE approved CPD on KNX technology in the Conference Theatre on 15th June and 17th June 15.00-16.00 hours.



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of delivering complex systems in a simple fashion. Energy efficient heating, lighting and façade control is seamlessly integrated with security, access control and high quality whole house entertainment. KNX is key to our success and is complemented by other quality systems and products from the likes of Naim, Kaleidescape, Crestron, AMX, Somfy, Apple and others. We look forward to helping you very soon.



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