

Installation

INTERNATIONAL AUDIO, VIDEO AND LIGHTING INTEGRATION

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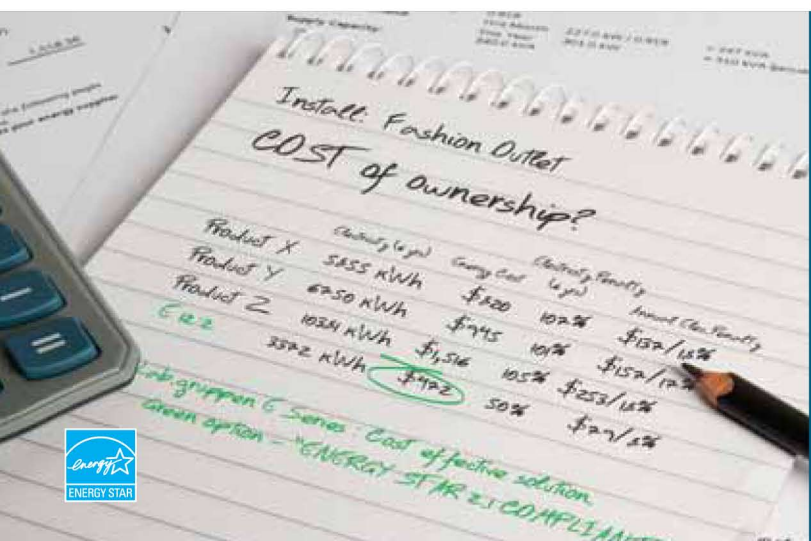
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Simple economics, brilliant IDEEA™

Built around the all-new Intelli-Drive Energy Efficient Amplifier (IDEEA) platform, the compact and ultra-efficient E Series offers renowned Lab.gruppen performance to a market concerned with spiralling global energy prices and environmental pressures, delivering ample output with Energy Star accredited low power consumption, and so reducing the cost of ownership for the end customer.



What's new

Our selection of the latest products for the installation market

ASHTON BENTLEY MEDIALCONNECT

IT'S... One model in a new range of videoconferencing equipment designed to be simple to install and use.

DETAILS: Ashton Bentley is a new UK company whose stated aim is 'to define and simplify the deployment, operation, management and

support of presentation, telepresence and videoconferencing systems through innovation'. It is offering a range of easy-to-install, easy-to-use platform-agnostic videoconferencing equipment – the customer just has to add their own choice of camera and codec.

Among this range is MedialConnect, a collaborative and immersive room environment for three to five people, based around a 55in edge-to-edge display and active stereo audio bar. Camera and touchpad controls are said to be optimized for clear and flawless all-the-way connections.

All Ashton Bentley products are designed to be easily installed without tools,

and the MedialConnect can be put together in less than an hour. A colour-coded wiring harness makes system connection simple and designed. Custom finishes are available.

The simple approach extends to using the system: it has been designed for intuitive operation, and switching between videoconferencing and presentation modes is straightforward.

Integrators worried that the simplicity of installation diminishes their role can take comfort from the ability to add value through services. The unit comes complete with a full set of remote management tools that use

SSH for real-time status monitoring, fault indication and remote control.

AND ALSO: The range is distributed in the UK by Audio Visual Mutual.

AVAILABLE: Now

www.ashtonbentley.com



AMINA TECHNOLOGIES AIW750E

IT'S... The latest 'invisible' offering from the British manufacturer of plaster-over speakers.

DETAILS: Amina launched its Evolution series of invisible speakers at the start of this year, and the AIW750E is its newest member as well as being the company's first two-way model. The speakers are designed to be hidden from sight in walls or ceilings, and covered with a 2mm plaster skim.

The product is claimed to be the most powerful, widest bandwidth invisible speaker with the smoothest power response on the market. Frequency response is between 50Hz and 20kHz, the stated sensitivity is 87dB for 1W at 1m; and power handling is 200W peak, 100W continuous.

Amina's speakers are resonant, rather than pistonic – they produce sound by inducing vibration in a flat panel of acoustic material. The AIW750E uses two separate optimised panels fed via an external crossover – one for bass and one for mid-high frequencies. The company's OptiModal technology limits the active areas of the panels, optimising each for a different task and, overall, providing wider bandwidth and a more dynamic musical presentation. Bass response is additionally improved by the company's OptiDamping technology:

this employs weights to dampen selected vibration modes and increase low-frequency extension and dynamic range.

The AIW750E is designed for use with the company's BackboxFS in stud walls or ceilings. When physically locating the two units, the bass panel benefits from close proximity to the floor or ceiling boundary; the mid-high panel should be positioned directly above, beside or below it.

AND ALSO: Amina says its speakers lose approximately 3dB of SPL for every 2mm of plaster. They are tuned to give an excessively bright sound in free air, to optimise their installed performance.

AVAILABLE: Now

www.amina.co.uk



GEFEN DVI-3600HD

IT'S... The company's newest DVI keyboard, video, mouse extender.

DETAILS: The DVI-3600HD consists of each mountable sender and receiver units equipped with ports for DVI, USB, FireWire and analogue audio. When connected to a local computer and a remote workstation, the DVI-3600HD delivers high-resolution (2048 x 1536) video in the DVI format, with up to four USB peripherals such as keyboard/mouse, printer, camera and hard drive. Remote automation or control and analogue audio from sender to receiver.

Distances up to 1,000ft (305m) are reached using a single-mode fibre optic cable. The use of multi-mode fibre optic cable will reach distances up to 1,200ft (366m).

Because USB peripherals can be connected at both local (sender) and remote (receiver) locations, users can set up two distinct workstations and alternate between the two. When in local mode, the computer connects up to two USB devices connected to the sender unit. When in remote mode, it supports up to four USB devices connected to the receiver unit. A front panel switch on the sender controls local and remote modes of operation.

AND ALSO: Local and virtual USB ensures a constant signal rate even when delivering multiple signals up to 1,200ft in distance.

AVAILABLE: Now

www.gefen.com



in the commercial sector, and in residential installations. "Integration with building management systems is where the growth will be in the future," he adds.

LED CONTINUES TO MOVE

The big story remains LED, and as technology has improved, so too has the adoption of white LED. Cella has seen this at first hand. "There has been a significant increase in white light projects where clients are replacing technology such as halogen with LED. At Aviva our business is around 70% LED and 30% is white light, but a couple of years ago the white installations would have been negligible."

But that's not to suggest that the white LED has reached its destination in terms of quality. White light's senior project manager Tony Cullen says, "Everyone is focused on LED, and it's really dominating the market. However it still remains difficult to get a good pure white, but it's really progressing with so many manufacturers working



Building regulations are driving the control side of the market'

Paul Edmunds, HCL

towards that goal."

Colour consistency issues have long been a stumbling block for LED, something which Martin Professional has addressed with its colour calibration system. Martin

URBAN REGENERATION PROJECT OPTS FOR LUTRON ENERGY SAVING

Barcelona's Sagrada Família building is a clear illustration of the fundamental importance of a lighting control system. The building can be found in Barcelona's urban regeneration district Sagrada Família, a project to transform 200 hectares of industrial land into an innovative modern district. Sagrada Família was built in 2008 by Dominique Perrault Architecture, in cooperation with the Sabater Heiers.

Located in such a concentration of modern commercial spaces, Sagrada Família had to be made to stand out to prospective tenants. In a bid to do so, it was decided to improve the building's energy efficiency after it was given a B rating in an energy audit.

Lutron's Quantum total light management system was installed, and Lutron's Energy Star Ready modules were linked into the system to enable the integration of occupancy and daylight sensors, and for the simple control of both fluorescent and LED fixtures.

The building was reclassified energy consultancy firm clients and achieved a B rating. Savings of 40% in lighting power alone were recorded, compared to pre-Quantum measurements, and the building is now expected to save approximately



100,000kWh of energy and 120 tonnes of CO2 emissions each year. The reduction translates into approximately a £25,000 yearly cost saving.

Following the installation, the building is now almost fully set to long-term tenants.

says, "Martin has developed a technology whereby we calibrate all our LED products so that you can achieve the same colour tone all the time - even after 10 years."

To what can we expect in

the not too distant future? Lumen believes LED technology hasn't peaked. "LEDs will increase in quality, output and stability in a similar way to how we see computer processors evolve,

with every six months seeing a new generation of LED on the market. This is ongoing and we haven't reached the end yet."

"The latest LEDs are becoming more efficient and

amina[®]
TECHNOLOGIES LTD

**invisible
loudspeakers**



Working together with specialist AV installers, Amina has the ability and products to help you realise your dreams of fantastic interior design with modern, future proof audio equipment.

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