



# PROFESSIONAL AUDIO NEWS

DECEMBER 2015

## Sound Technology Ltd announces distribution of Tempest® wireless intercom in the UK/ROI



Sound Technology Ltd is pleased to announce its appointment as the exclusive distributor of Tempest® wireless intercom products in the UK and ROI. Joining our professional audio portfolio, Tempest® systems are designed for broadcast, live sound production, theatre, sports coaching and installed audio applications.

The Tempest® 2400-EU system operates in the 2.4GHz ISM band. Advanced digital wireless transmission technologies allow users the ability to operate up to 11 BaseStations and 55 full-duplex BeltStations in the same RF space at the same time with no license requirements and no frequency co-ordination.

*Story continues on page 2*



HARMAN solution for 1000-capacity raucous bierkeller in Cardiff -> full story on page 4

## dbx DriveRack VENU360 processor now available



Successor to the industry-standard DriveRack 260, the new dbx DriveRack VENU360 is now available. The VENU360 adds a host of additional features including mobile device control, additional input channels, improved DSP and easier operation. In stock now priced at £675 list ex VAT. > <http://bit.ly/dbx-venu360>



# Tempest 2.4GHz wireless intercom systems by CoachComm® now distributed by Sound Technology



*continued from front cover ...*

Gary Rosen, Global Manager for Tempest, commented on the announcement, "We are extremely pleased to have Sound Technology as our valued partner for the UK and ROI. Our goal is to continually improve our customers' experience with our Tempest wireless intercom solutions, and with Sound Technology as our new partner, we are assured of doing just that. Expanding our distribution network with Sound Technology to better serve our customers is an exciting step forward for us."


David Marshall, Managing Director, Sound Technology Ltd commented, "Sound Technology are delighted to have been chosen by Tempest to distrib-

ute their product in the UK and ROI. The brand fits very well within our existing pro audio offering, further strengthening our reach into the broadcast, theatre and live sound markets. Not only is the Tempest product of the highest quality but the level of training and support that they offer makes it clear that they are a major force in the wireless intercom market.

**Tempest is available from Sound Technology now. For more information or to request a demonstration please call 01462 480000.**


Full details are available on our website at [www.soundtech.co.uk/professional-audio/tempest](http://www.soundtech.co.uk/professional-audio/tempest)

## BSS BLU-103 VoIP processor now available

 The Soundweb™ London BLU-103 teleconferencing signal processor with VoIP (Voice over IP) is now shipping. The BLU-103 offers extensive signal routing and processing capabilities, including eight analogue inputs and eight analogue outputs, a Voice over IP (VoIP) interface, AEC (Automatic Echo Cancellation), BLU link, Ethernet connectivity, and many additional advanced features. The BLU-103 interfaces directly with digital phone systems and can facilitate two simultaneous VoIP calls.  
> <http://bit.ly/bssblu103>



## JBL Professional previews new cinema surround speakers

 JBL Professional is introducing the 9300 Series cinema surround loudspeakers featuring new transducer technologies, waveguide design and horn designs tailored to modern cinema dimensions and applications.

The 9300 Series feature JBL Image Control Technology horns and asymmetric pattern control guided by exclusive Wave Shaping Vanes which distribute acoustic energy in proper proportion to the room.

> <http://bit.ly/jbl-9300-cinema-surround>





## XLS DriveCore 2 amplifiers with upgraded features and flexibility



HARMAN

Crown Audio's XLS DriveCore™ 2 Series two-channel power amplifiers are now available in the UK, offering a host of upgraded features including more flexible DSP band pass filtering, selectable input sensitivity, remote power trigger operation and sleek new styling. Four new XLS DriveCore 2 models are available with power ratings from 350 to 775 watts per channel at 4 ohms and 1100 to 2400 watts at 4 ohms bridged.

XLS DriveCore 2 Series amplifiers feature HARMAN's exclusive DriveCore amplifier circuitry that combines high power output with exceptional energy efficiency, all under 5kg.

> <http://bitly.com/crown-xls-drivecore2>



## Soundcraft and BSS spice up Blues Kitchen

Two new Soundcraft Si Impact digital consoles and an elaborate BSS Soundweb network have been specified and installed by Middlesex Sound & Light (MSL) at the new 650-capacity Blues Kitchen Brixton.

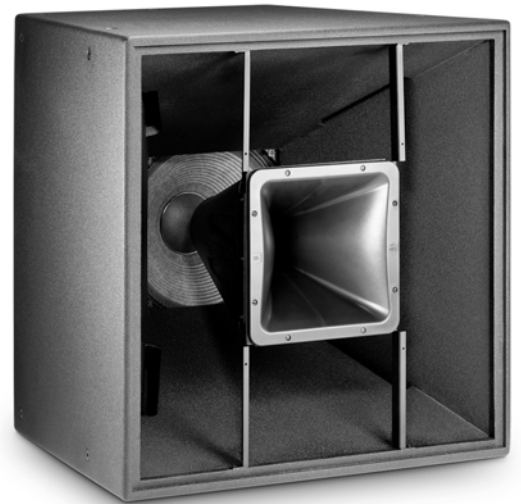
MSL project director Darren Olivier recommended the Soundcraft Si Impacts for FOH duty on both the ground and first floors, together with Mini Stagebox 32 and 16s.

To fulfil the installation's DSP requirement, two BSS Soundweb BLU-100 and two BLU-BOB 8-channel expansion units were installed to create a 24 x 24 distribution matrix.

> <http://bit.ly/blueskitchen>



## JBL PD500 Series Precision Directivity™ loudspeakers now available



PROFESSIONAL  
HARMAN

An extension of the highly successful, world-class PD Series loudspeakers, which are found in the most prestigious stadiums and arenas around the world, JBL's PD500 Series offers high power, excellent pattern control and smooth coverage.

Designed to work in a variety of applications including sports facilities, performance spaces, auditoriums, or worship facilities, the full-range PD500 systems utilise the same high-frequency drivers as the hugely popular PD6000 Series, making them ideal for use together in large systems where multiple loudspeakers are required for even coverage and like voicing throughout the space.

> <http://bit.ly/jblpd500>



# Matched HARMAN Professional solution ambience of a thousand capacity bierkeller



Liverpool-based Audio Install has carried out a major sound installation at the new 1000-capacity Bierkeller in Cardiff — the fourth Bavarian style emporium for brand operators, Burning Night Group. For the optimum solution in a raucous, challenging environment (incorporating three separate bars with different requirements) it turned to the catalogue of the Harman Professional brands, and then called on the company's UK and Ireland distributors, Sound Technology Ltd., to provide sales and installation support.

Ian Davis's company based its audio design around a matched Crown / JBL VRX line array system, with process and control provided by premium Soundcraft, BSS and dbx digital components, along with AKG mics. This forms part of a full AV package.

The venue itself is split into three main areas on the ground floor of Stadium Plaza — the Bierkeller, Shooters Sports Bar and Around The World In 80 Beers (ATW). "In the Bierkeller area we needed to have a good, solid, front of house sound system for the oompah bands to play through without too much sound bleeding through the ceiling to the fitness club above," explained Ian Davis. A directional flown JBL VRX line array system, suspended from the ceiling on anti-vibration mounts, provided the answer.

As for ATW, this has a performance area with a small stage for live acts but also needed to function equally well with a DJ, piped audio and individual performers.

Shooters combines sports screens with a stage area for small bands. "This needed to have a clear sound flowing evenly across the room to accentuate vocal frequencies that would allow punters to be

able to hear commentaries clearly, but at the same time be able to accommodate live performers," continued Davis.

As for Sound Technology, he says, "They supply equipment that I believe to be the best quality gear at a price point that makes economic sense. It works seamlessly together with [Harman's proprietary] Audio Architect integration, and the support I get from the sales and technical staff is exemplary." In particular he singled out project engineer, Hugo Burnard. "He put a lot of time into helping with the design and getting the waveguides right. The challenge was to deliver a similar, or better, experience for the clientele than previous Bierkellers. And I think we have succeeded."

The system accepts a variety of source inputs including mic and line devices, computer music, oompah bands — and three Sky sports channels running in sync with the HD visual displays throughout the venue.

The audio element across the six zones into which this has been divided, comprised 10 JBL VRX 932 LA-1 line array units (six in Bierkeller, four in ATW);

18 JBL VRX 918 S, (six each in Bierkeller, ATW and Shooters); nine JBL AM 5212/26, (three in ATW, six in Shooters); six JBL PRX 412 M monitors, (two on each stage); six JBL Control 16 C/T, (three in each toilet area) and eight JBL Control 1, (four in the departure lounge, four along the street scene).

Amplifiers assigned to these included two Crown IT 4x3500 HDS (driving the line array units and arrayed subs); three Crown XLS 2000 (driving the floor monitors); five Crown XTi 4002 driving tops in ATW and Shooters; five Crown XTi 6002 (driving subs in ATW and Shooters); Crown XLS 1000 (for the Control 1's) and Crown CDi 1000 (driving ceiling speakers in the toilets).

For DSP and routing, two BSS BLU-100 fixed format digital matrix processors are complemented by five BLU-6 wall mount volume remotes, strategically placed at key bars for local control. Three dbx 213 EQ's process the wedge monitors, while a Soundcraft EFX12 mixes mics in the Bierkeller and a pair of EFX 8 do likewise in Shooters and ATW.

And as for the mics, Audio Install has provided six AKG D5 dynamic mics and three each of AKG D112 and C430 for the live performers.



# helps Audio Install overcome the raucous r in Cardiff



Ian Davis believes they have overcome their biggest challenge of delivering even, clear and precise audio coverage without bleed up to the other areas of the building above. "By using line array elements and directing the SPL away from sensitive reverberant areas and at the audience, whilst utilising the BSS equipment to process audio signals, we have also managed to remove the unwanted frequencies likely to bleed upstairs." This also helped overcome the excessive ambient noise levels, he said.

Further helping to mitigate the problem of echo and reverb, the walls were lined with acoustic plasterboard and the voids filled with acoustic absorbing rock wool.

With all the furnishing back in place, the system was fine-tuned using Harman's proprietary Audio Architect software to eke out the final audio parameters, causing Ian Davis to state that he believes the sound quality to be among the best in the area, with each room tuned to give maximum performance and minimum bleed.

"Sound Technology were with me all the way to final commissioning — from sales executive Scott Blakemore assisting with product selection and delivery, to the technical department who supported the design. I cannot praise them enough for the time and effort they put in to ensure the project was completed on time — and as a result we have not had a single complaint from the neighbours upstairs."

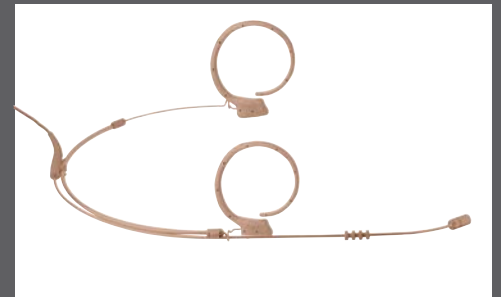
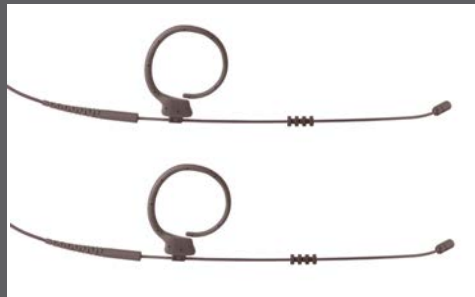
And Burning Night Group operations director, Peter Robinson agrees. "The sound quality is excellent," he says. "As a multi venue site we use the sound system for sporting events, DJs and a range of live music, so to have an easy to use, high quality system is imperative. The one we have had installed fits the bill perfectly."

**Read the full case study at:**  
> <http://bit.ly/cardiff-bierkeller>

# Smaller is better as AKG introduces MicroLite Series



AKG by HARMAN is introducing the MicroLite series of miniature wearable reference microphones, offering incredible sound quality and durability in a tiny, discreet form factor. Ideal for broadcast, theatre and conference applications, the MicroLite series delivers broad compatibility, excellent moisture resistance and superior EMC protection.



The **LC81 MD** is the smallest cardioid lavalier microphone on the market with a diameter of 4.8mm, a length of 10mm, and a weight of 2g.

Even smaller, the **LC82 MD** omni-directional lavalier has a diameter of 3mm and a length of 6.5mm and its moisture-resistant design ensures that moisture and makeup won't dampen a performance. The LC81 MD and the LC82 MD are both available in four colours to match skin tones.

Similar to their lavalier counterparts, the **EC81 MD** and **EC82 MD** ear-hook microphones provide additional options for exceptional wireless sound. Each microphone offers a flexible ear-hook and adjustable boom length for guaranteed comfort, with cardioid (EC81 MD) or omnidirectional (EC82 MD) options.

For an even more stable fit, the **HC81 MD** and **HC82 MC** headworn microphones deliver unparalleled sound in both cardioid and omni-directional formats, respectively. Featuring flexible ear-hooks and an adjustable boom, they both make it incredibly easy for wearers to customize the fit to their liking. Each microphone is available in two colours, and the HC82 MC features a moisture-resistant design.

All MicroLite microphones are terminated in a Microdot connector, which is compatible with a variety of different connections and all major manufacturers of wireless microphone systems. A variety of accessories are also available with the MicroLite series, including wire-mesh protection caps, foam windscreens, phantom power adapters, lavalier clips, and perspiration and makeup protectors. **Find out more here > <http://bitly.com/akgmicrolite>**

## JBL IntellivoX installed at the Atrium at the University of Derby



SSE Audio Group have carried out an installation of HARMAN's JBL IntellivoX in the Atrium at the University of Derby. The Atrium is a large open glass-roofed space at the University's Kedleston Road campus. The area forms the reception, student dining and student support centre for the site and is one of the main 'mass congregation' spaces at the University.

> <http://bit.ly/intellivoXderby>

## JBL CSS-H15 and H30 paging horns arrive



JBL Professional is shipping its new CSS-H15 (15-Watt) and CSS-H30 (30-Watt) paging horns—the first products from JBL specifically designed for the commercial sound paging horn market.

The new JBL CSS-H paging horns are ideal for public address systems, announcement/paging, intercom, security, alarm and industrial applications.

The CSS-H paging horns are also highly weather-resistant (IP-65 rated) for outdoor applications. Both models pass JBL's 100-hour continuous full-power test to ensure long-term reliability.

> <http://bit.ly/jblpaginghorns>



# AKG D7 helps David Gilmour conquer Royal Albert Hall

**AKG** Colin Norfield, David Gilmour's long-serving FOH engineer, selected AKG D7 microphone for all vocal duties on Gilmour's current tour including five dates at the Royal Albert Hall.

Colin says, "The D7 is the best vocal mic in the AKG range and performs entirely to spec. They deliver the vocal exactly as I want to hear it and have so far been great. They sound just like a condenser even though they are not."

> [bit.ly/davidgilmourd7](http://bit.ly/davidgilmourd7)



Rental company Hark upgrades to Soundcraft Vi5000; already in action with Years & Years  
Read full story: [bit.ly/harkvi5000](http://bit.ly/harkvi5000)

Photo credit: Danny Cubbit / Mount Echo Media

## Revolutionary Lexicon® QLI-32 32-channel immersive cinema surround processor with quantum logic begins shipping



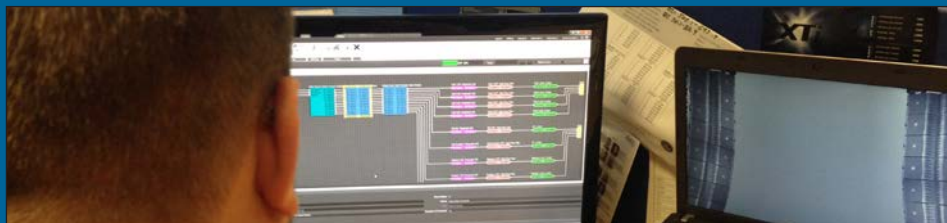
Lexicon's ground-breaking QLI-32 cinema processor is now shipping. The QLI-32 interfaces with a cinema's media source and existing cinema processor to provide a multi-dimensional listening experience. Up to 32 channels of immersive sound can be decoded from any stereo, 5.1 or 7.1 soundtrack to provide a multi-dimensional and cost-effective listening experience.

> <http://bit.ly/lexicon-qli32>

# Our Free Services

## Project Team

Sound Technology Ltd's Installed Audio Project Team services the needs of leading audio consultants and installers by providing HARMAN audio system design assistance, support and advice locally in the UK.



### ADVICE

Unsure of which products will best suit your project? We can suggest ideal solutions from the vast HARMAN portfolio of JBL, Crown, BSS, AKG, dbx and Soundcraft to ensure guaranteed performance and help your installation go smoothly.

### DESIGN

We work with clients and consultants to create complete system designs based on HARMAN solutions. We provide all supporting EASE models, technical data and pricing quotes based on your requirements and budget. It's a free service to help make your life easier.

### SUPPORT

For existing or new installations, we are here locally in the UK to help. As added reassurance we can also call upon support resources from the HARMAN Corporation in Europe and the USA.

## Demonstration Facilities



Our trade customers and their clients are welcome to visit our demonstration facilities at our Letchworth Garden City head office. A large range of HARMAN products and system solutions are installed and ready to demo. To book an appointment please call 01462 480000 or email [info@soundtech.co.uk](mailto:info@soundtech.co.uk)

## Training Courses

Sound Technology Ltd run a number of free training courses and events for the Installed Audio and Tour Sound industries.

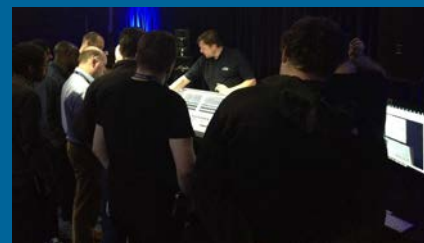
### HiQnet Audio Architect Training

In-depth training courses for HARMAN's HiQnet Audio Architect audio system design and configuration software.

Audio Architect integrates the BSS Audio Soundweb London DSP system backbone within the core functionality of HARMAN's System Architect – combining the power of our proven open-architecture platform with AKG wireless microphones, Crown amplifiers and JBL powered loudspeakers.

- 13th-14th January 2016
- 10th-11th February 2016

### Soundcraft Vi Series Training



Free one-day training course on Soundcraft's Vi Series consoles. This runs monthly and is open to engineers, venues, hire, installation and production companies.

- 16th December 2015
- 20th January 2016
- 17th February 2016
- 16th March 2016

For details and registration visit [www.soundtech.co.uk/events](http://www.soundtech.co.uk/events)

## Keep up to date via our pro-audio social channels



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