

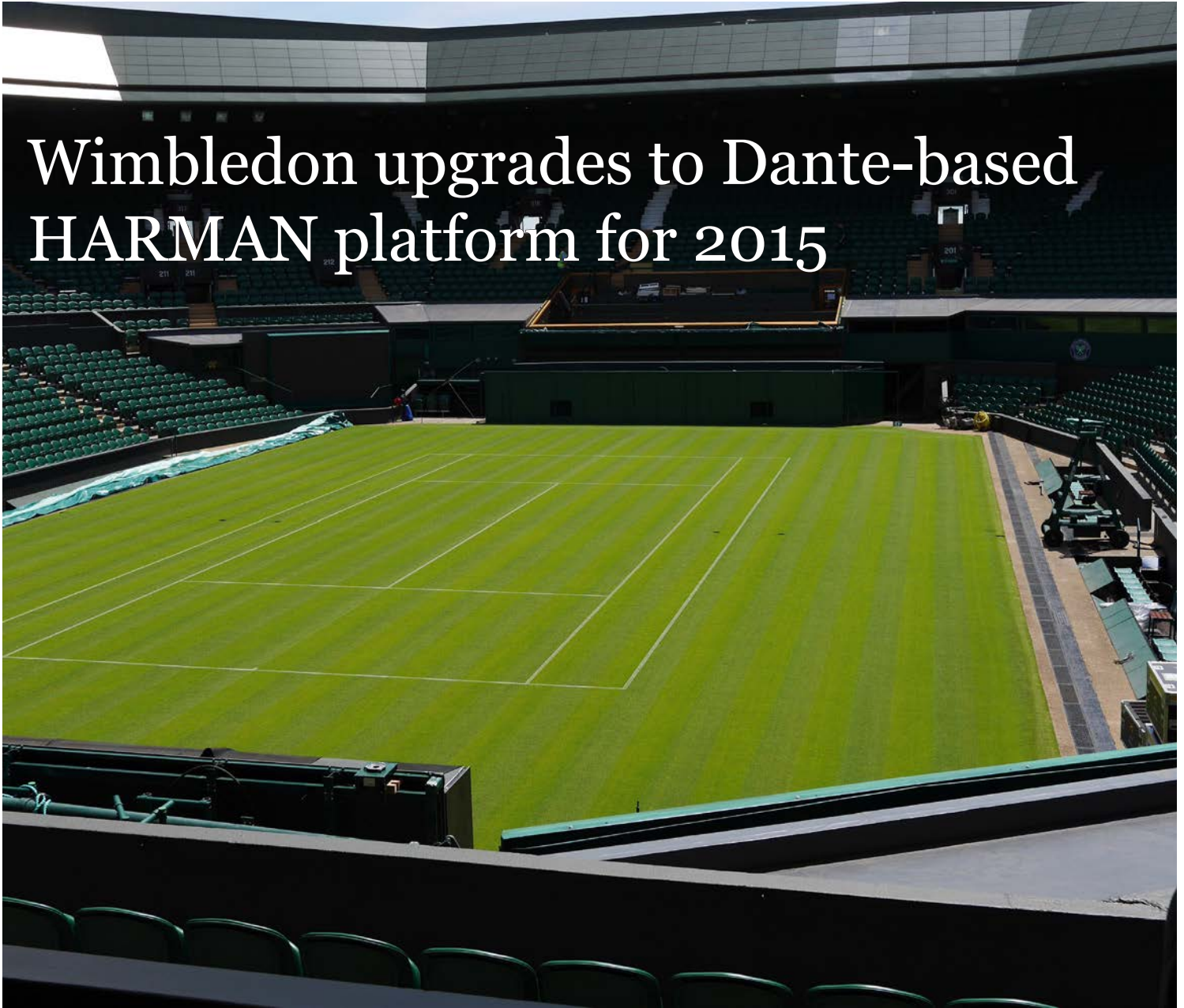


sound
TECHNOLOGY

PROFESSIONAL AUDIO NEWS

SEPTEMBER 2015

Wimbledon upgrades to Dante-based HARMAN platform for 2015



Soundcraft Si Impact arrives in UK



McCusker invests in JBL VTX




JBL's Control HST Hemispherical Soundfield Technology

Soundcraft Si Impact shipping now

New compact console combines incredible level of power and processing with multi-track recording via USB and MADI as standard



 Drawing on more than 40 years of excellence in live sound mixing and combining the latest digital innovations, Soundcraft's Si Impact is designed to be as simple as an analogue mixer, but with workflow enhancements and DSP power that make it a perfect tool for the stage and the recording studio.

Si Impact provides 32 mic/line inputs, 40 DSP input channels and 31 output busses - all with full DSP processing and graphic EQ.

Effects and dynamics come from Soundcraft's sister companies BSS, Lexicon and dbx.

The console has eight VCAs and eight Mute groups, 24 motorised input faders, with four fully customisable fader layers. Soundcraft® FaderGlow



illumination and LCD channel displays ensure visual feedback and easy operation.

A 5-inch colour touchscreen display is provided for easy access to show setup, patching, FX, and security.

In addition to its mixing components, the Si Impact has a 32-in/32-out USB recording and playback interface that provides easy multitrack recording and playback directly from a DAW.

Si Impact: at-a-glance guide to the key features

- 40 DSP input channels
- 32 mic Inputs
- 31 output busses with full DSP
- 8 VCAs + 8 Mute groups
- 26 motorised faders
- 4 fully customisable fader layers
- 32x32 USB audio interface
- 5" touchscreen display



- LCD channel displays
- 4 Lexicon effects engines
- BSS graphic EQ on every bus
- 20 sub-group / aux busses
- 4 mono/stereo matrix busses
- Built-in stagebox connectivity

Naturally the Si Impact is compatible with Soundcraft's ViSi iPad® control app and has built-in Stagebox connectivity for I/O expansion.

The Soundcraft Si Impact is priced at just £2499 RRP inc VAT and is available now.

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

JBL Professional ships SRX800 Series



JBL SRX800 Series powered loudspeakers, incorporate premium JBL transducers and Crown DriveCore amplifiers to deliver exceptional sound quality with user-configurable DSP speaker-tuning capability. > <http://bit.ly/jblsrx800>



JBL Professional 7 Series Master Reference Monitors



Using patented technology developed for the flagship M2 Master Reference Monitor, 7 Series Studio Monitors deliver detailed imaging, extended frequency response and remarkable output from compact enclosures.

Centrally amplified and tuned, and easily installed, 705i and 708i Studio Monitors are the heart of an elegant, scalable system for broadcast and post facilities working in immersive audio formats.

> <http://bit.ly/jbl-7series>



The 708i & 705i were developed to meet the needs of broadcast and post-production facilities producing content in surround and immersive audio formats.

Mongey Communications Ireland invest in HARMAN's JBL VT4886 sub-compact

JBL by HARMAN Set up 30 years ago, and today providing a vast range of technical services, including sound reinforcement, radio comms, full AV, CCTV and access control, Kildare-based Mongey Communications needs to maintain its inventory at the cutting edge in order to provide top drawer reinforcement and network control for some of the biggest events in Ireland.

This led to them recently purchasing a substantial JBL VerTec VT4886 Subcompact system and Crown VRack amps. According to director David Mongey, who runs the family owned business with brother Cyril, the acquisition marks a return to the brand that his company first invested in around two decades ago.

"We cover a wide range of events, from European summits to major sporting events, and provide services from access control to broadband; our policy is to buy only the best," he stated.

As a result they placed an order for 24 VT4886 passive three-way line array elements along with 12 x VT4883 cardioid arrayable subwoofers. Also included in the package were six JBL VTX-F12 12" bi-amped system for floor monitoring, along with two Crown VRacks (containing IT12000HD and IT4x-3500HD amplifier modules) to drive the system.

A recent high profile event successfully serviced by the JBL rig was a major American College Football match at Croke Park. "With series of subs and three tops tilting back into the stands it easily boosted the razzmatazz associated with these games. It really rocked the house and the stadium manager said it was one of the best systems he had heard."

At the other end of the spectrum, for major conferences they can field any permutation, either flown or on stands. "It offers an amazing amount of versatility," David notes. "It is really doing the job for us and it's so quick and easy to set up using JBL's Line Array Calculator [LAC], it's almost plug and play."

> <http://bit.ly/mongeyvt4886>



"The system could cover the sound requirements for some of the Gaelic football stadiums that we were invited to enhance. The throw and the SPL's were impressive for such a small and compact system and the response from the client was very positive." David Mongey



Hemispherical Soundfield Technology reduces cost of installation

JBL by HARMAN Available now, JBL's new Control HST allows installers to cover a large wall area with fewer loudspeakers.

The Control HST features JBL's patent-pending Hemispherical Soundfield Technology, which enables it to achieve an extremely wide horizontal coverage of almost 180 degrees.

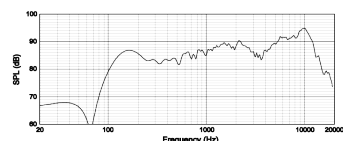
A single JBL Control HST can provide wall-to-wall coverage, reducing the

number of loudspeakers needed for covering a space and lowering the overall cost for the sound system, and can be used indoors or outdoors.

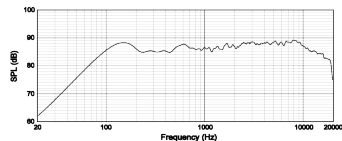
> <http://bit.ly/jblcontrolhst>



NON-HST SPEAKER ALONE



CONTROL HST SPEAKER ON WALL

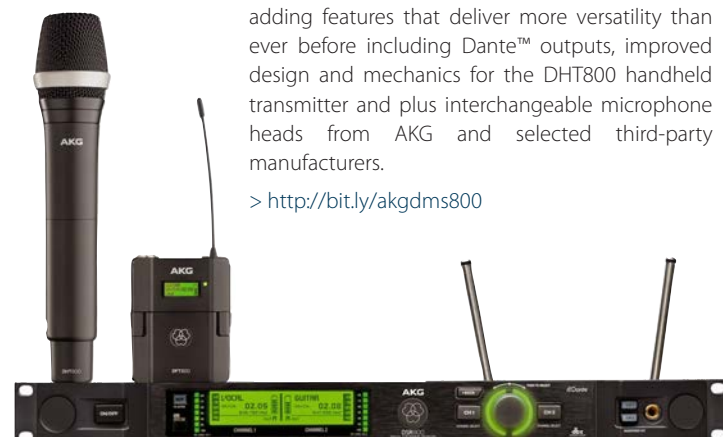


AKG DMS800 digital wireless arrives in the UK

AKG by HARMAN Building on the incredibly successful DMS700 V2, AKG has introduced the DMS800 reference digital wireless microphone system.

The DMS800 offers everything that made its predecessor an outstanding performer, while adding features that deliver more versatility than ever before including Dante™ outputs, improved design and mechanics for the DHT800 handheld transmitter and plus interchangeable microphone heads from AKG and selected third-party manufacturers.

> <http://bit.ly/akgdms800>



RG Jones upgrades Wimbledon audio transmission to Dante-based HARMAN platform for 2015 Championships



A major redesign of the digital audio network that links the vast 17.7 hectare site of The All England Lawn Tennis Club (AELTC), Wimbledon, has been implemented by its long-term contractors RG Jones Sound Engineering Ltd in order to meet the AELTC's expanding requirements for 2015 and beyond.

With considerations of ecology, efficiency and expandability foremost in his mind, Jon Berry, who runs the sales and installation division of RG Jones, has returned to the Harman Professional portfolio, which has provided the backbone for many years, but with the addition of a fourth PA room, has moved the signal transport onto a Dante platform.

After close consultation with HARMAN Professional's UK and Ireland distributors, Sound Technology, and DSP manufacturers, BSS Audio, they have carried out their third major upgrade of BSS Soundweb devices which first began with the original 9088 'Green' processors back in 2002 — a decision that was endorsed by host broadcasters, the BBC.

Six years later, with growing I/O requirements it was logical to upgrade this to the new generation Soundweb London hubs, with CobraNet transport and 256 channels of BLU-Link networking the three PA rooms via fibre. This enabled them to operate a dual redundant ring with lower latency, higher sampling rate and the need for fewer devices.

Each year the complex evolves in preparation for the Wimbledon Fortnight; this year, Courts 14 and 15 have been rebuilt over a new basement space, while further down the line a new fixed and retractable roof will be built over No.1 Court, which will include extended seating and improved hospitality and broadcast facilities.

Jon Berry's task is to deliver the optimum audio experience with flexibility and expandability while being able to send split feeds to broadcast and at the same time integrate with the PA/VA over CobraNet, "However, we had simply run out of CobraNet capacity this year," admits Berry. "We could have continued to add on more Soundweb BLU boxes but there comes a limit."

With the probability of a new PA room they had started considering their options a year in advance as to how they would design the new signal path starting with the courtside sound from the umpire's chair. "This was part of the drive to Dante," states Jon Berry. "We also discussed the implications with the club so there was sufficient time for everything to be installed and tested."

Thus a Dante ring now links all four rack rooms (including the new Aorangi PA room) over a BSS network, with 15 of the new Dante-compatible BSS Soundweb BLU-806 processors, spread across the PA rooms, feeding the energy efficient Crown DCI-N (DriveCore Install) four-channel amplifiers, with 24 x DCI 4|300N and 4 x DCI4|600N situated in the Centre Court, Broadcast and Aorangi rack locations. Also on the network are a number of Soundweb London BLU-160 DSPs, distributed among the racks. Site-wide paging, meanwhile, continues over a CobraNet IP backbone.



"It was the obvious solution," he said. "BSS's Dante compatible box came onstream at the end of 2013 and there are a lot of benefits in staying with Soundweb — we took some on test and they mesh well with Crown.

"The Crown amplification we were interested in for two reasons: it's more efficient, with built-in monitoring, and the link up with BSS and the native BLU-link meant we didn't need to have as many DSPs to get the output count up. The processors are creating our mixes, taking multiple BLU-Link channels on a priority system, all on a redundant ring, providing greater security. It's a known and proven network platform."

"There was never any concern about embracing new technology as we have worked with Dante for a long time," Jon Berry continued. "We used it for site wide infrastructure at Olympic Park during the London Olympics and we were very familiar with the technology. We knew it would give us more flexibility.

After conducting a 'dry build' in their offices they programmed the new set-up in January, using the proprietary and intuitive London Architect with which they have widespread experience, before

installing it in the various locations on site. Jerome King, BSS Audio EMEA Systems Support Engineer, provided any support necessary. "We started doing some heavy network testing and we're confident it would not fall over," continues Berry. "This was a well-supported effort between the manufacturers and Sound Technology."

However, there was a further benefit for RG Jones in this application, as Berry explains. "We are working closely with the AELTC's IT dept and Dante will sit on their corporate network. It's great to have a relationship with the client whereby we can use the club's infrastructure and they will provide the necessary network connections — we just needed

to make sure the network configs were set up correctly."

And as more satellite rooms are added to meet the ever growing requirements it will become easier to expand and develop the system with this new fibre based topology.

Finally, RG Jones are fortunate in having the work supervised by two accomplished project engineers, with Jamie Short responsible for the new build project and Tim Speight, now in his 15th year onsite during the fortnight, supervising a team of nine and carrying out daily healthchecks and test reports.

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



CONTROL HST[®]

HEMISPHERICAL SOUNDFIELD TECHNOLOGY™

Creates an extremely wide listening space while eliminating the primary wall reflection that can cause inconsistent sound from wall mount speakers.

Find out more at www.soundtech.co.uk/professional-audio/jbl



Hear the truth



BSS Contrio: the next generation of wall controllers arrives



The new Soundweb Contrio family of wall controllers are designed to provide greater system control and flexibility for a variety of fixed install applications.

Simple controls and multi-coloured visual feedback and displays make the controllers approachable and straightforward for non-technical users, while multiple modes of operation allow system integrators to tailor the functionality of the controller to the requirements of the application and its users.

All Soundweb Contrio products are backward compatible with existing BSS Audio Soundweb

London devices as well as other HARMAN HiQnet™ products.

BSSContrio wall controllers are available now.

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

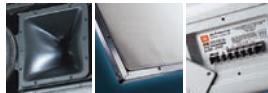


DESIGNED FOR PRECISION BUILT FOR THE ELEMENTS

Because harsh conditions are the reality for outdoor speakers, JBL engineers designed the AE All-Weather loudspeakers to deliver consistent, reliable, high performance audio through years of brutal weather.

All-Weather High Power Models

Designed and built from the ground up with as much technology in the cabinets as in the components, the multilayer glass composite enclosures are heavily braced to maximize low-frequency performance and durability. The 16-gauge, three layer stainless steel grilles are backed with open cell foam and a stainless steel mesh sealed with a rubber gasket to protect the proprietary technology inside. The large format AW Series feature patented Differential Drive®, dual-voice coil and dual-magnetic gap, low-frequency transducers and rotatable PT Waveguides™ coupled with a 2432H 1.5" exit / 3" diaphragm compression driver to ensure superior sonic performance in horizontal or vertical orientation. All AW models include a 400W 70/100V transformer and a heavy duty corrosion-resistant extra-thick zinc-plated polyester powder coated U-type mounting bracket.



All-Weather Compact Models

The AWC models feature co-axial drivers and compact enclosures for tighter spaces. With U-brackets included and cabinets that are field-paintable, all AWC models are full range, two way systems featuring high power handling with excellent coverage and consistent pattern control, delivering extraordinary clarity for speech and extended frequency response for music. Operable 8 ohm direct or with 70V or 100V lines, the AW Series models are the professional all-weather choice for a wide variety of applications, from sports facilities and entertainment venues to swimming pools and water parks.



AE SERIES
ALL WEATHER

Learn more at JBLPRO.COM/ALLWEATHER

© 2012 Harman International Industries, Incorporated

Hear the truth.



Beam shaping has never been easier thanks to Rapid DDS software for JBL Intellivox



JBL Professional has introduced a new simple and intuitive method for controlling its range of Intellivox Beam Shaping (DDS) loudspeaker arrays.

The new software is called "Rapid DDS" and can be used with Intellivox DS and DSX ranges. Rapid DDS allows users to manipulate the DDS beam settings directly from WinControl for the first time.

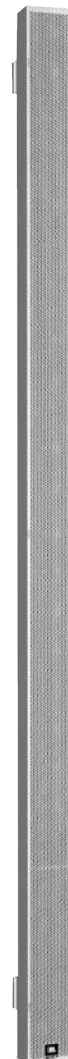
Unlike Beam Steering, which is more like a simple point-and-shoot technology, Beam Shaping allows users to create a tailor made dispersion pattern that perfectly suits the shape of the audience plane while avoiding hard reflective surfaces.

Rapid DDS will allow commissioning engineers and consultants access to a faster, simpler and more intuitive software interface for Intellivox DS and DSX ranges.

The new Rapid DDS software is part of the latest WinControl install set which can be downloaded from the JBL Pro website.

> <http://bit.ly/rapid-dds>

Rapid DDS is compatible with the Intellivox DSX and DS range including the new DSX380, pictured left





McCusker's JBL VTX at Belfast's Pride Festival on 1 August 2015

McCusker Pro-Audio invests in JBL Professional VTX V20 system

JBL HARMAN Professional UK and Ireland distributor Sound Technology Ltd has further strengthened its position over the Irish Sea by announcing a major sale of a JBL VTX system to McCusker Pro-Audio in Northern Ireland. The sale was facilitated by Sound Technology's Irish sub-distributor, Reynolds of Raphoe.

The family run sales, hire and installation house, based in Co. Armagh, upgraded its front line fleet with JBL's new VTX V20 system — maintaining a relationship with the Northridge-based manufacturer extending back a number of years.

Director Barry McCusker, who fronts the business with brother Colin and father Enda, confirmed the purchase of a rig comprising 24 x VTX V20 dual 10" line array elements; 8 x VTX G28 ground-stacked dual 18" subwoofers and 4 x VTX S25 dual 15" array-sub-woofers.

Powering the system are 13 Crown iTech 4x3500HD, featuring BSS Omnidrive HD processing.

The journey leading up to the purchase had seen the McCusker family audition several leading brands after their older system was found too large (and at the same time not sufficiently powerful) for modern requirements."

We looked at two or three leading brands, but when we auditioned the JBL VTX at Sound Technology's Letchworth demo facility it simply sound-



ed the best!" said Barry. "Also it was flexible — small enough to do our normal day-to-day gigs and sufficiently powerful to handle the larger stuff."

And this often includes working on the burgeoning Irish country scene in front of audiences of 5,000-6,000.

McCusker also see potential for cross-hire, and knowing that Mongey Communications in the south of the country recently invested heavily in JBL adds further momentum to the growing JBL community.

"Having JBL now gives us a unique position in this market," summarises Barry McCusker. "It has huge brand cachet and we are well aware of JBL's presence both in Europe and the US, where we do a lot of gigs on the Irish traditional band circuit. It's great to get in on the ground floor."



Top: L-R: Colin, Enda and Barry McCusker with their new JBL Professional VTX V20 system
Above: McCusker's JBL VTX at the Ballymore Country Music Festival on 3 August 2015

Read our full report McCusker's first events with VTX:
<http://bit.ly/mccusker-report>



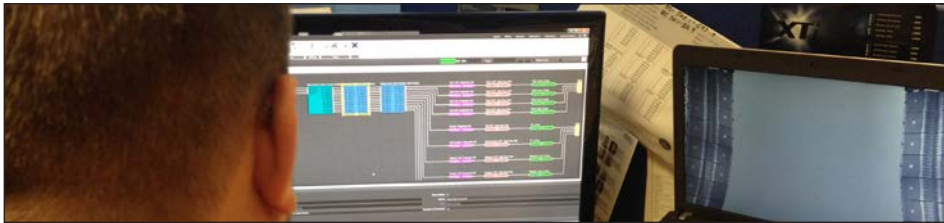
As the parent company of JBL Pro, AKG, BSS, Soundcraft, Crown, dbx and others, HARMAN leads the world in the design and manufacture of professional audio equipment.



Founded in 1978, Sound Technology Ltd is one of the largest independent distributors of professional audio products in the UK and Republic of Ireland. We offer specialist services for the installation and tour sound markets.

Sound Technology 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.

Training Courses and Events

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

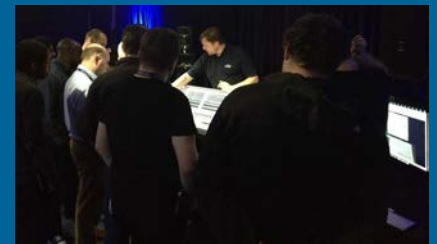
HiQnet Audio Architect 3-day course

In-depth 3-day training course 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.

• 9th-11th September 2015

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 September 2015

• 21st October 2015

• 18th November 2015

• 16th December 2015

For details and registration visit www.soundtech.co.uk/events

Demonstration facilities at Sound Technology



Sound Technology boasts a 4000 square foot demo facility at our offices in Letchworth Garden City, providing an environment for installers, integrators, consultants, resellers and hire companies to listen to a comprehensive selection of the HARMAN Professional portfolio.

For more information or to arrange a visit please call us on 01462 480000 or email info@soundtech.co.uk

