



***CROWN***

**HiQnet**

**ARCHITECTURAL MEDIA SYSTEMS**

**HARMAN**





## IT'S ALL ABOUT THE EXPERIENCE...

As with hundreds of high-profile systems across the world, the HARMAN system has provided the best sound reinforcement for the biggest sporting events. With the announcement of the team winning over the high-energy music, it's a sound system that creates the atmosphere to drive the fans and the team on. A sound system that drives them back time and time again.

The Architectural Media Systems solution provides incredible flexibility with the same components scaling from an 80,000 seat stadium down to a small performing arts center. Here it seamlessly continues to act as the vehicle for the artist's expression by delivering the highest quality sound reproduction and enabling the artists to convey a dazzling performance. Whether a theater of 200 or 2,000, the HARMAN solution makes an impact.

Above all, transparency is key. The best sound system is the one which sets the right ambience for the right audience. Whether the HARMAN system is providing music to a hotel lobby, a bar, restaurant or retail store – it can be front and center if it needs to be, and subtly in the background when it doesn't. Architectural Media Systems provides the right experience whatever the environment.



# AN EXPERIENCE WHICH RUNS DEEP.

The **venue manager** can choose from multiple control mechanisms – be it from the Apple iPhone in his pocket or an iPad mounted to the wall.

From a third-party control system, all configurable with the same HiQnet control, to simply running the dedicated Kiosk Mode within the design software. Or from one of many simple wall controllers – the flexibility to customize interaction with the system is right there.

And for the scenario where the system needs to look after itself, the **facility manager** has at his fingertips a complete monitoring interface and comprehensive scheduler to adapt the behavior of the audio system quickly and easily.

If required, an appropriate networked audio solution is available immediately. The HARMAN installed sound system works with four different multi-channel

digital audio transports and is ready to support whatever requirements the system has. It is the **IT manager's** dream.

Right from the moment the system is conceived, the **contractor** has the luxury of choosing from a wide range of building block hardware rather than being forced into a single box solution. The BSS Audio and Crown combination provide cost-effective, area-specific redundancy, comprehensive system logic and loudspeaker processing as close to the loudspeaker as possible, where it belongs. And for the **system designer** and **commissioning engineer**, the way in which we have embedded their workflows directly configuration and control software is where Architectural Media Systems can generate cost savings for all involved.



## OUTSTANDING SOUND QUALITY. UNDAUNTED BY SCALE.

BSS Audio and Crown have 40 years of combined networked audio system leadership. HARMAN Architectural Media Systems brings that expertise together into a single solution.

BSS Audio is world renowned for outstanding sound quality and reliable equipment that satisfies the real demands of professional musicians and high-profile installations. Products from BSS Audio are used on major tours, in recording and broadcast studios, churches, casinos, arenas, and nightclubs on every continent.

Why do so many sound industry veterans swear by BSS Audio? Because with every performance, installation, broadcast, and recording, these professionals put their reputations on the line. The pros demand superior sound quality and a proven track record. They can count on it with BSS Audio.

With a choice of fourteen different open-architecture processors within the Soundweb London family and

input / output card flexibility within several of these devices, Soundweb London represents a truly flexible and scalable system.

Flexible not only in hardware but also in software configuration. You enjoy total flexibility of signal path flow and connectivity, a massive range of processing objects modeled on classic BSS Audio processors, and the freedom to design the system exactly how you want it.

With its range of audio networking solutions, DSP capability, input / output expansion or a specific mix of functionality, Soundweb London offers the building blocks of a tailor-made system.

# POWER



## INSTALLS ANYWHERE. OUTPERFORMS EVERYTHING.

Multiple patents. Historical audio achievements. Innovative technical advances. Crown's reputation for excellence – built over 65 years of uninterrupted success in sound – continues with the introduction of the next generation of installed sound amplifiers featuring DriveCore™ technology.

The culmination of nearly two decades of research and development in PWM and switch-mode amplification, DriveCore seamlessly integrates the amplifier drive stage into the power output stage and fuses everything into one very tiny, but extremely powerful chip.

This single, revolutionary chip replaces 500 parts, greatly reducing the design complexity compared to that of traditional amplifiers, while creating more efficiencies, long-term reliability and unsurpassed performance.

Designed and engineered to the industry's highest quality standards for installed sound applications, the DriveCore Install (DCi) Series is the ideal choice for everything from meeting rooms to massive stadiums.

Simple to configure with its true rack density design, DCi Series provides multiple innovations at every point, and unmatched performance time after time.

There is simply no better choice. The DriveCore Install Series represents Crown's new flagship installed sound amplifier – a key component of the flexibility of Architectural Media Systems.



# AUDIO

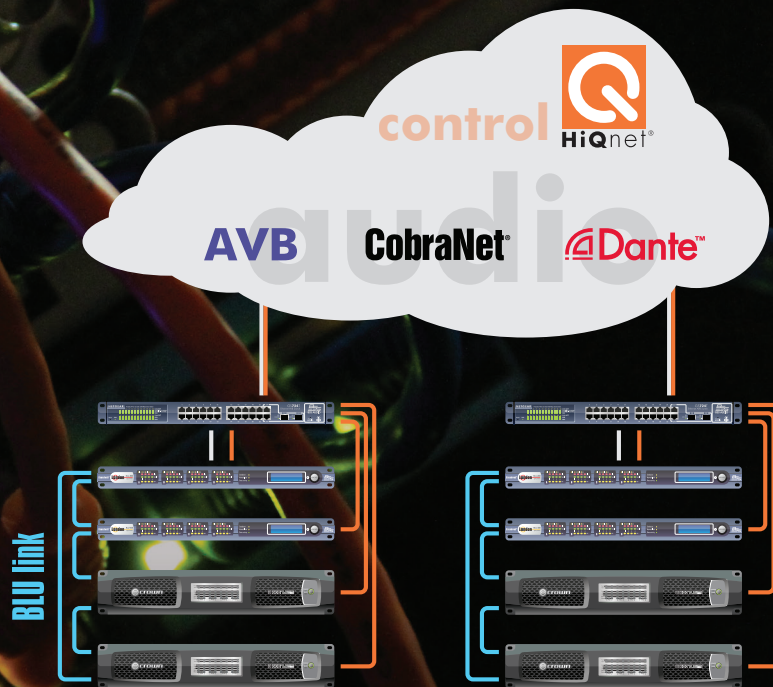
Whatever scale and flavor of audio networking the system demands, Soundweb London, DriveCore Install Series and HiQnet together provide the solution. Whether it's simple point-to-point localized high-channel count within a rack to venue-wide Ethernet-based audio networking, Architectural Media Systems provides it all.

**AVB** AVB ensures high quality audio and video streaming over Ethernet. What sets AVB apart from other Ethernet audio transports is that the network switches themselves ensure that media data is given complete priority over any other data on the network. Audio is guaranteed to arrive at the destination device with no interruption even possible. AVB claims a very low latency and a high audio channel count.





# NETWORKING AS EASY AS **A, B, C, D.**



**BLU link** Complementary to Ethernet-based audio transports, the BLU link digital audio bus provides an unprecedented level of routing flexibility. BLU link is capable of routing 256 channels of audio directly from device to device within a local rack, or an entire rack room. BLU link is fault-tolerant and is compatible with the majority of Soundweb London devices and DriveCore Install Series Network amplifiers.

**CobraNet** CobraNet technology, from Cirrus Logic, has long been the pro audio industry's adopted audio networking solution. Many HiQnet devices are CobraNet compatible and Audio Architect is capable of routing audio between them. CobraNet is based on 100Mb Ethernet, so channel counts are limited in comparison with AVB and Dante. Larger systems will often require managed switch configuration.

**Dante** Dante is a proprietary audio networking technology from Audinate and employs standard Internet Protocols over 100Mb and / or Gigabit Ethernet. Channel counts can be high over Gigabit Ethernet, although switch management is required for most Dante systems. The Soundweb London BLU-806 and BLU-326 bring Dante capability to the Soundweb London family.

# CONNECT. CONFIGURE.

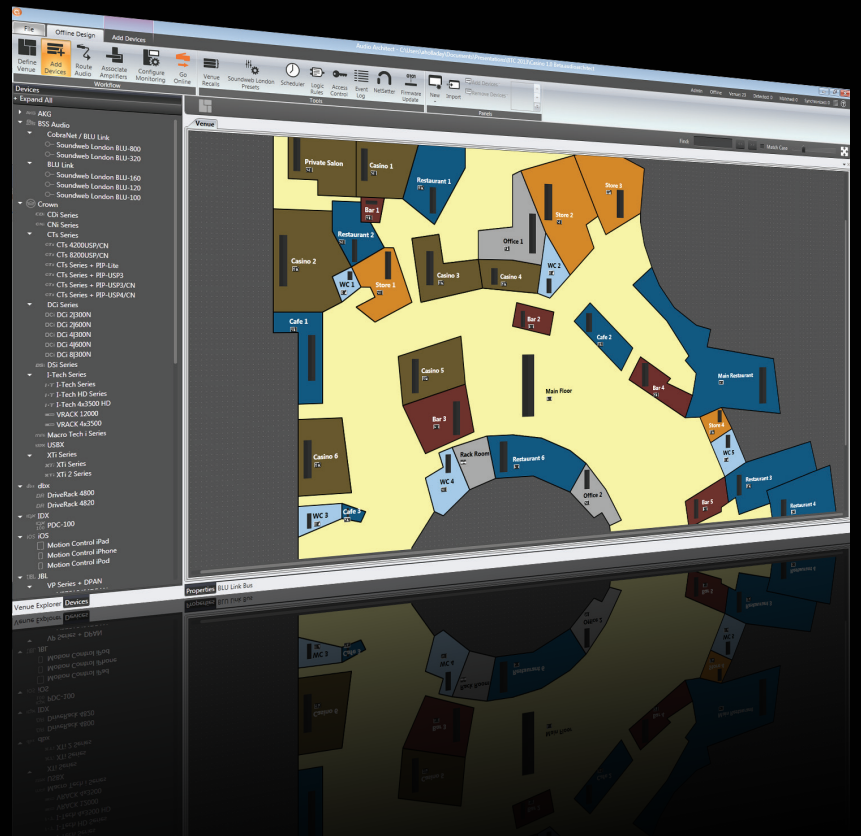
HiQnet is HARMAN's comprehensive communications protocol or language with which all device-types within the full audio signal path can communicate.

The configuration and control of Architectural Media Systems relies on a revolutionary new software application – HiQnet Audio Architect.

This system design and configuration software presents a system design philosophy centered on operational workflow, and the use of a diagrammatic representation of the physical venue. Devices understand both their physical and logical placement - in racks and rooms - and the software therefore becomes 'educated' about how they are to be used in the real-world.

Audio Architect then automates many of the laborious system design tasks for free. Control interfaces for control and monitoring of all manner of groups of devices are generated automatically.

The simplest drag-and-drop networking interface available today provides the optimal user experience while provided system-wide networked audio routing and advanced tools for custom panel creation, creating logic rules, configuring access control and many more.



# CONTROL.



The control possibilities for Architectural Media Systems are wide and varied.

HiQnet Motion Control™ – an Apple iOS app enables customized control interfaces designed in Audio Architect to be exported to iPad, iPhone and iPod Touch devices for mobile system control. Dedicated design templates are available within Audio Architect for the configuration of customized interfaces, which can be used to control BSS Audio Soundweb London and DriveCore Install Series.

The Powered by Crown app allows wireless control and monitoring of Crown Ethernet enabled devices – including the DriveCore Install Series. The perfect companion for the system commissioning engineer.

A variety of other system control options include Audio Architect's own Kiosk Mode and comprehensive scheduler, Soundweb London's own internal calendar and dedicated wall controllers.



# WORLDWIDE SUPPORT

Comprehensive and direct support for Architectural Media Systems is provided through the HARMAN regional sales offices, distributors and dealers located across the world, covering all time zones and multiple languages. It's how we ensure the greatest experience is maintained all the way through the lifecycle of the world's greatest sound system.



[archimedia.harman.com](http://archimedia.harman.com)

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