



SOLUTION GUIDE

# AUDITORIUM

Audio Visual System Solutions for Business



HARMAN Professional Solutions Brands:



# AUDITORIUMS

are large event spaces that serve host to town halls and other building-wide presentations for organizations with hundreds of employees at a single campus. Due to their size, the auditorium includes professional sound systems and video distribution systems with multiple displays. Events in these spaces are often live-streamed to satellite locations at other facilities, and are recorded for later use. All of this must happen seamlessly and effectively, and the technology must be intuitive so technicians can setup and run the event with minimal effort.

Introducing the HARMAN Corporate Auditorium, the large event space for the modern enterprise.



## COMMON ACTIVITIES

The auditorium is a large corporate event space that accommodates 100 or more people. The technology in the auditorium enables organizations to:

- Share content using various devices
- Present from anywhere in the space
- Adjust the AV technology using a tablet or mobile device
- Stream the event live to other locations and remote participants
- Record events for later viewing by employees unable to attend or in other time zones
- Display event info and corporate communications outside the space
- Monitor, maintain, and troubleshoot the equipment in real time from a central help desk

# SHARING CONTENT USING VARIOUS DEVICES

The goal of the technology in an auditorium space is to ensure the presentation happens smoothly and easily. With solutions from the top audio, video, lighting, and control brands in the world, a HARMAN auditorium ensures that presentations happen without issue. Presenters can walk up and quickly present content from a laptop, tablet, or mobile device with minimal setup. HARMAN audio and lighting solutions ensure the presenter can be seen and heard throughout the space, and the video and control solutions ensure the content is displayed perfectly.



## KEY HARMAN PRODUCTS



**JBL® AE Series Application Engineered Speakers** is a line of permanent installation loudspeakers that incorporate the latest loudspeaker technology, a wide selection of models, high performance features, reliability, and a systems approach. Designed to

meet every performance need, the AE Series has a loudspeaker for any challenge.



**Martin® RUSH PAR Series Can Lights** are bright single-lens LED lighting fixtures. With a motorized

zoom, as well as controllable dimming and strobing effects, the Martin Rush Par 2 is perfect for a variety of different applications, including both event lighting and maintaining proper lighting for video recordings.



The **AMX® Enova DGX Digital Media Switcher**

takes video

from a variety of sources and distributes them to multiple displays in a single room or across a building. The DGX Switchers use swappable cards, allowing customers to mix and match for their exact requirements, and then upgrade the system as those requirements change. The DGX switchers also come with a built-in control processor for integrated device control.

# PRESENTING FROM ANYWHERE IN THE SPACE

Because auditorium spaces are designed to hold a variety of different events, HARMAN provides the flexibility to present when and where the occasion requires. Presenters can move the podium to any spot on the stage (or off the stage entirely), with multiple AV floor boxes tying into a single AMX Solecis switcher for reduced cabling back to the central video system. AKG wireless mic solutions give presenters freedom to walk around the space, and because the mic receivers can work with both handheld and lavalier microphones, presenters always have the right combination of microphones for any occasion.



## KEY HARMAN PRODUCTS



The **AMX Solecis Digital Switcher** connects multiple devices to a single output over category cable, reducing the cabling to the main video switcher. With the mirrored local output, the Solecis can connect to a local display as well as the larger room.



**AKG® WMS 470 Wireless Mics** are the best choice for a cost-efficient, high-

performance wireless sound. The use of UHF for distribution minimizes the effects of interference from Wi-Fi signals within the building, ensuring a clear, strong audio signal every time.

# ADJUSTING AV USING A TABLET OR MOBILE DEVICE

In a large auditorium space, it's often necessary for the technician manning the event to make adjustments from locations other than at the AV booth. Sound can vary at different locations in the space, requiring adjustments to the sound mix, and lighting, video switching, and other settings may need to be adjusted while the tech is in other parts of the room. With a HARMAN auditorium, technicians can use a mobile device to adjust the AV settings from anywhere.



## KEY HARMAN PRODUCTS



**TPControl, an AMX Authorized BYOD Control Product,**

serves as a secondary control interface, and allows the technician to use an iOS, Android or Windows 8 device to switch video inputs, adjust lights, and more from anywhere.



**The Soundcraft® Si Performer Series Digital Mixing Console** is a powerful, yet easy to use

digital mixing board. With BSS® and Lexicon® audio technology, a simple-to-train board layout, and the free Soundcraft ViSi remote app, a technician can easily adjust volume and create the perfect sound experience from anywhere in the space.



**The Crown® DriveCore DCi Series Install Amplifiers** provide high performance audio that can be heard clearly in any situation. With years of industry leadership and unrivalled proprietary technology, Crown DriveCore exceeds the audio industry's highest quality standards

# LIVE STREAMING TO OTHER LOCATIONS

When global organizations hold events, they often must include employees joining from other offices, as well as sales managers participating from the road or remote team members working from their home office. With a HARMAN auditorium solution, events can be streamed to participants in overflow rooms or at other locations without impacting the network. Employees joining can view the live stream in conference rooms or at their desks, while HARMAN's proprietary audio technologies deliver crystal clear sound for all participants, whatever their location.



## KEY HARMAN PRODUCTS



The **AMX H.264 Encoder** allows companies to stream an event throughout the facility or across the globe without overwhelming the network, as well as record onto a USB hard drive in high quality h.264.



The **BSS® Soundweb London Series Digital Signal Processor (DSP)** provides perfect sound for every occasion. With intelligent automatic volume adjustment capabilities, the BSS Soundweb DSP ensures quality sound every time.

# RECORDING THE EVENT FOR LATER VIEWING

Delivering presentations across a global organization can often be a costly and time-consuming affair. That's why modern organizations require a method to give the presentation once, and then make it viewable to participants around the globe who can't view the event live due to work limitations or time zone issues. With a HARMAN auditorium solution, it's easy record the event at the press of a button. The video uploads to an FTP server, which can then be shared to the global organization using AMX Vision<sup>2</sup>. This way the video is available for everyone regardless of geography, viewable from laptops, tablets, or mobile devices.



## KEY HARMAN PRODUCTS



**AMX Vision<sup>2</sup> Enterprise Video Management Software** handles all video distribution, recording, and archiving for the entire organization. Vision<sup>2</sup> can manage IP encoders and decoders, record video streams, archive videos into an on-demand library, and stream live and recorded videos as a corporate TV channel.



**AMX Modero S Control Panels** are a single point of control for all your technology. They integrate all the functionality you need into a single, streamlined interface.

# DISPLAYING EVENT SIGNAGE OUTSIDE THE SPACE

Digital signage is a great way to communicate with employees and reach them where they gather. Employees often pass by the entrance to an auditorium space when attending an event in the auditorium, heading to appointments, or walking by to meet a client. As such, the auditorium entrance is a prime location for digital signage as part of a corporate communication solution. Displays running digital signage can advertise upcoming events in the auditorium, as well as inform about upcoming events, benefits enrollments, guests in the building, and more.

To learn more about corporate communications solutions, check out the [HALLWAYS AND COMMON AREAS SOLUTION GUIDE](#).



## KEY HARMAN PRODUCTS



**AMX Inspired XPert** is an enterprise digital signage solution with the ability to manage content on all players throughout the global organization. With access group support via LDAP, users can add or update specific content on specific players from a web interface without affecting other content or the look and feel of the signage.



# REAL-TIME MONITORING AND CENTRAL MANAGEMENT

With today's IP-based AV systems and software like AMX's Resource Management Suite (RMS), IT organizations can reduce service calls and trouble tickets by staying on top of how their AV systems are functioning. RMS includes dashboards, reports and alerts that allow IT organizations to monitor the status of their AV systems in real time, on a global basis. RMS even allows technicians to centrally and simultaneously update firmware without leaving their desks.



## KEY HARMAN PRODUCTS



**AMX Resource Management Suite (RMS)** is AMX's enterprise on-premises or cloud-based software solution that allows AV or IT technicians to centrally monitor AV technology problems right from the IT support desk.

# FOR MORE INFORMATION

Email us: [solutions.advisor@harman.com](mailto:solutions.advisor@harman.com)

To see more HARMAN business solutions, visit: <http://www.amx.com/automate/plan/>



## About HARMAN Professional Solutions

HARMAN Professional Solutions is the world's largest professional audio, video, lighting, and control products and systems company. We serve the entertainment and enterprise markets with comprehensive systems, including enterprise automation and complete IT solutions for a broad range of applications. Our brands comprise AKG Acoustics®, AMX®, BSS Audio®, Crown International®, dbx Professional®, DigiTech®, JBL Professional®, Lexicon Pro®, Martin®, Soundcraft® and Studer®. These best-in-class products are designed, manufactured and delivered to a variety of customers, including tour, cinema and retail as well as corporate, government, education, large venue and hospitality. In addition, our world-class product development team continues to innovate and deliver groundbreaking technologies to meet our customers' growing needs. For scalable, high-impact communication and entertainment systems, HARMAN Professional Solutions is your single point of contact.

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