TRAINING THEATER

Audio Visual System Solutions for Business
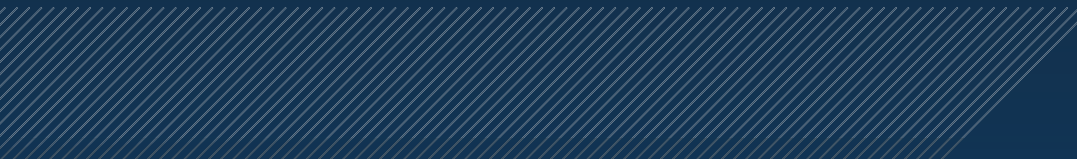
TRAINING THEATERS

are large spaces, often with podiums and tiered seating, which serve high-capacity training classes. There are typically sound reinforcement systems and video systems with multiple displays, and trainers often need to integrate all types of mobile and personal devices into those systems. Classes and events in these spaces routinely include remote participants, and are often recorded for later use. The goal of the technology in these spaces is to simplify the delivery of lecture-based training to large groups of students, both employees and customers, all controlled from an intuitive, elegant user interface.

COMMON ACTIVITIES

The Training Theater is a large corporate learning space that accommodates 30-75 students. The technology in training theaters enables organizations to:

- Make presentations from a variety of devices
- Share content from a student's laptop, tablet, or smartphone
- Provide distance learning to remote participants via web or video conference
- Record classes as online training for those unable to attend live
- Monitor, maintain, and troubleshoot the equipment in real time from a central help desk, and provide the ability to schedule the space from outside the room

MAKING PRESENTATIONS FROM DIFFERENT DEVICES

The most common scenario for a class in a training theater is for the instructor to show content from a laptop or room PC on a display, which is simple to do in a HARMAN training theater. First, the presenter connects a laptop using the cable provided by the AV table box installed directly in the podium, or else they turn on the room PC or AMX's Enzo® Presentation System and access their content from a web address or USB stick. Once they are ready to present, all they need to do is press an icon on the touch-based control panel to send the presentation content to the display.

There are no complicated remotes, no manual switching of sources on the display, and no searching for the right cable. With HARMAN, it's as simple as accessing your presentation and pressing an icon.
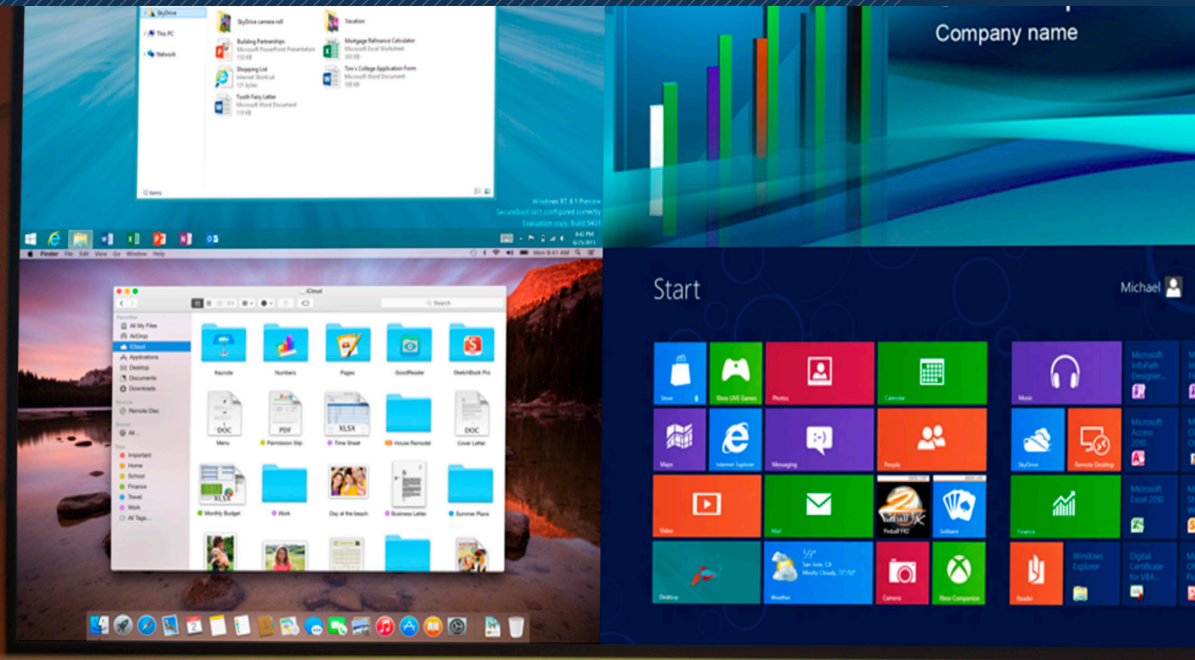
KEY HARMAN PRODUCTS

The **AMX HydraPort®** provides a simple way to connect AV control, network and power directly from the conference table – with an elegant form factor that complements any room. Just plug in your laptop, USB memory stick or other mobile device into the pre-supplied cable, and you're connected.

AMX Modero X Control Panels are a single point of control for all your technology. They integrate all the functionality you need into a single, streamlined interface that looks great in any room setting.

SHARING CONTENT FROM STUDENT LAPTOPS, TABLETS, OR SMARTPHONES

Effective training requires more than formal presentations. They can also require collaboration and involvement from the class, where any student can, with the instructor's permission, share content from a laptop, tablet, or smartphone. Thanks to MirrorOp® real-time screen mirroring technology integrated into AMX Enzo, any participant can share the content on their screen to the room's display with no cables and no hassle. With Enzo's Moderator Mode, instructors can manage which content is shared and when, with the ability to share up to 4 screens at once using Enzo Quad View.

KEY HARMAN PRODUCTS

AMX Enzo is a flexible platform for presentation spaces that provides Instant On, Instant Access to Content, Instant Start and Instant Sharing. Enzo makes it easy to instantly access and share information with others.

The **AMX Enova DVX All-In-One-Presentation Switcher** is the central "brains" behind the presentation space technology. These compact units seamlessly manage all the source and display devices behind the scenes to ensure that all content is presented where, when and how you want it.

JBL® Commercial Series Ceiling Speakers ensure sound from live TV, presentations, background music, and more are always heard clearly and distinctly, with even coverage and consistent volume throughout the room.

DISTANCE LEARNING VIA WEB OR VIDEO CONFERENCE

Today's businesspeople are mobile. Modern training classes often include sales managers participating from the road, groups of employees joining from other locations, or remote team members working from their home office. Successful training theater technology must accommodate those who are participating from outside the room, which means the trainer needs a simple way to control the video conferencing technology. That's why Modero X Series control panels make it easy to start a video conference or prepare for a web conference over Lync or Skype. And once the conference is underway, the HARMAN Training Theater relies on proprietary audio technologies to deliver crystal clear sound for all participants, whatever their location.

KEY HARMAN PRODUCTS

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.

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.

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.

RECORDING CLASSES AS ONLINE TRAINING

Delivering training across a global organization can often be a costly and time-consuming affair. That's why modern organizations require a method to deliver training once, and then make it viewable to participants around the globe. With a HARMAN Training Theater, it's easy record the class at the press of a button. The video records to a permanently-installed USB hard drive, then then automatically uploads to an FTP server. The video can then be posted to a Learning Management System or shared to the global organization using AMX Vision[2], making the video available for viewing from laptops, tablets, or mobile devices.

KEY HARMAN PRODUCTS

The **AMX H.264 Encoder** allows companies to record events onto a USB hard drive in high quality h.254. Companies can also stream the event throughout the facility or across the globe without overwhelming the network.

Crown Boundary Mics are cardioid boundary layer microphones of professional quality that, due to their small size, fit perfectly on small tables like those found in lecture theaters. Thanks to low self-noise and very high sensitivity, the microphones pick up even distant voices clearly and naturally.

AMX Vision[2] Enterprise Video Management Software handles all video distribution, recording, and archiving for the entire organization. Vision[2] 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.

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.

In addition to managing room technology, RMS also helps manage room utilization. Thanks to integration with popular room scheduling software such as Microsoft Exchange and Google Calendar, employees view and even update room schedules using control panels mounted outside the room.

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. RMS also includes integration with room scheduling solutions, including Microsoft® Outlook, IBM® Domino, Google Calendar, as well as an API for other scheduling systems.

AMX Modero S Series touch panels are ideal for displaying the room's schedule right outside the door, and include features such as 180°-viewable availability LEDs and on-screen room booking.

FOR MORE INFORMATION

Email us: 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.