



INSTALL SOLUTIONS 2025

V 5.2.25

Trusted Brands. Connected Solutions.

AKG

AMX



dbx

FLUX::



lexicon

Martin

Soundcraft



AKG

AMX



dbx

FLUX::



lexicon

Martin

Soundcraft

HARMAN PROFESSIONAL SOLUTIONS

BUILD A BRIGHTER FUTURE

Trusted Brands. Connected Solutions.

In the dynamic and hyper-evolving realm of immersive experiences, HARMAN stands as a visionary architect, crafting the future through audio, video, control, and lighting. Our ten iconic brands, each a luminary in its own right, interconnect into an ecosystem of excellence, where every innovation contributes to the whole. By harnessing the power of cutting-edge technologies, we do not simply build solutions; we lay the cornerstones for a brighter future.

From open-architecture platforms and leading-edge control solutions, to legendary audio hardware and world-class lighting, HARMAN relentlessly pursues technological excellence, offering unparalleled solutions across a diverse range of industries. Every install benefits

from specialized engineering innovation, courtesy of our stable of industry-leading brands, each with its own legacy of pioneering spirit. That legacy began in the early days of commercial cinema when JBL was born and continued into the home-grown computing revolution that included BSS Audio and AMX and into the developing world of immersive audio led by FLUX::

Each brand in our portfolio sets the highest industry standard, and in turn, HARMAN shapes the way sound and light are experienced around the world. From live performance audio to critical enterprise infrastructures, HARMAN turns imagination into reality with unparalleled clarity, scale, and impact. We believe in a future redefined by visionaries and creatives, empowered by HARMAN Professional Solutions.

HARMAN has nearly **80 years** of experience and expertise, and **10 trusted brands**, leading the way in cutting-edge technologies that elevate every install.



DID YOU KNOW ►

Every JBL loudspeaker model is put through an industry-leading 100-hour stress test of all components - that's nearly five days of pushing speakers to their absolute max and beyond! We're committed to ensuring our speakers perform flawlessly in real-world scenarios.

Our world-renowned solutions, trusted by professionals across industries, redefine what's possible in audio, video, lighting, and beyond. With an unwavering commitment to innovation, HARMAN empowers consultants, integrators, and designers to bring their most ambitious visions to life. Experience the clarity, impact, and unparalleled quality that HARMAN delivers.

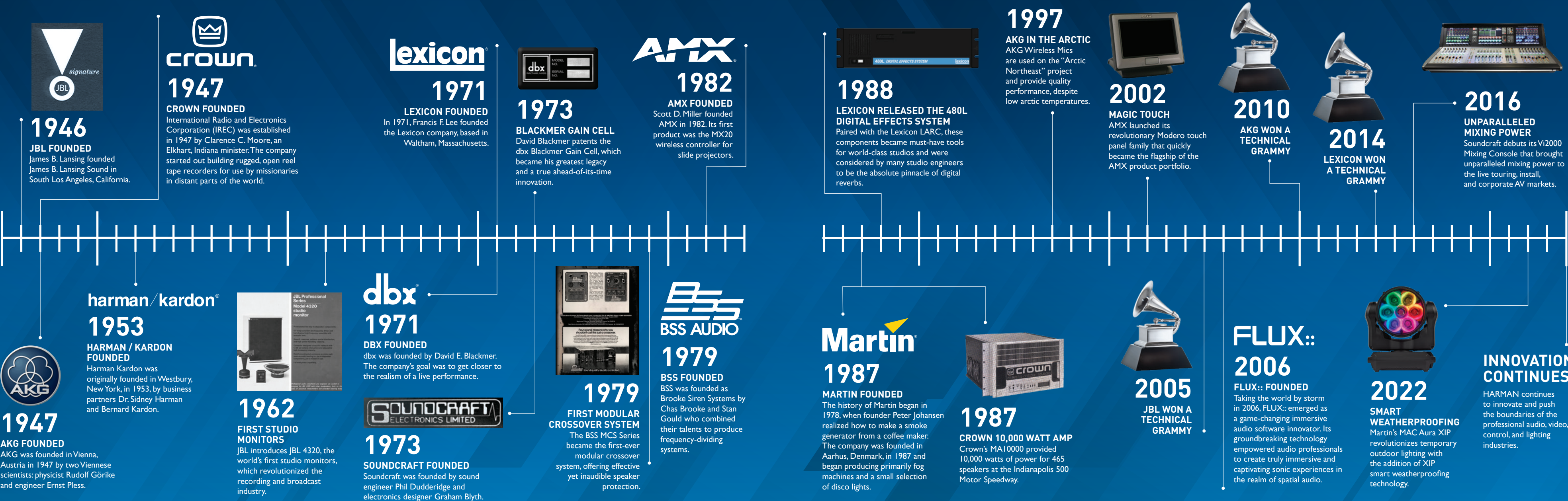
HARMAN FACTS

- 1 Dr. Sidney Harman and Bernard Kardon founded the predecessor to HARMAN International, Harman Kardon, in 1953. Both Harman and Kardon were engineers for the Bogen Company, a manufacturer of public address systems.
- 2 In the 1970s, Dr. Sidney Harman sold his audio conglomerate to become Deputy Secretary of Commerce under U.S. President Jimmy Carter. He later bought back his company and relaunched it as HARMAN International.
- 3 In 1983, George Lucas and Lucasfilm selected JBL to develop the first commercial THX®-licensed cinema speaker system. Nine years later, JBL Synthesis released the first THX home theater system.
- 4 HARMAN is a 3-time GRAMMY Award Winner with Technical GRAMMY Awards for JBL Professional® (2005), AKG Acoustics® (2010) and Lexicon Pro® (2014).
- 5 In 2017, Samsung Electronics Co., Ltd. acquired HARMAN International as a wholly-owned subsidiary.



STEEPED IN HISTORY AND EXPERTISE

A LOOK THROUGH THE YEARS





HARMAN has established itself as a **powerhouse** in the installation market by seamlessly integrating its portfolio of **iconic** brands, **cutting-edge** products, and **innovative** technologies.

AKG

AMX

BSS

CROWN

dbx

FLUX::

JBL
PROFESSIONAL

lexicon

Martin

Soundcraft

ELEVATE YOUR SPACE WITH EFFORTLESS INTEGRATION

Redefining the Installation Landscape

HARMAN offers solutions for diverse verticals, from executive boardrooms to sophisticated stadiums by seamlessly integrating cutting-edge technologies and expertise. Our portfolio of brands, including JBL, AKG, Crown, Martin, AMX, and BSS, empower creators to bring their visions to life with precision and reliability.

Our open-architecture platform ensures compatibility and interoperability with third-party systems, while our expertise in networked solutions, such as Dante, simplifies complex installations. From the clarity of JBL audio to the brilliance of Martin lighting, to the precision of AMX control, HARMAN seamlessly integrates and elevates the human experience.



Enterprise AVoIP: Ensuring a Scalable Path Forward

When it comes to providing the world's highest-performing and most strategically innovative AV over IP (AVoIP) solutions, our AMX networked AV portfolio is second to none. While our products literally established the AVoIP industry, they continue to evolve the landscape, delivering unparalleled scalability to easily deliver video to thousands of endpoints, across a range of applications, with the capability to scale to infinite proportions. Our real-world solutions allow customers to create, deploy, and monitor reliable, scalable, and secure AVoIP backbones, backed by legendary AMX products and global service and support.



Immersive Audio Experiences that Delight the Listener

As the demand for creating truly immersive audio experiences evolves, there is no other provider with more precision expertise, deep insight, and ready-to-deploy solutions than HARMAN. From recording and post-production to scoring and live performances, we have the most comprehensive suite of hardware and software solutions to deliver unparalleled soundscapes, scalable for the ideal listening experience. JBL loudspeakers, Crown amplifiers, and BSS, dbx, and Lexicon Pro signal processing products cover every possible hardware requirement. Our powerful object-based and perceptual immersive mixing solution from FLUX:: provides artists, sound designers, and audio engineers with the tools needed to design, create, and mix captivating and engaging real-time audio experiences.



Seamless Third-Party Integration for Best-in-Class Systems

HARMAN is committed to evolving technology and user experiences by developing third-party-friendly devices, applications, and platforms that ensure users can create systems using best-in-class components from a variety of manufacturers and technologies. Examples include AMX MUSE Automator. MUSE Automation solutions can be customized by dragging nodes from the palette into the workspace and wiring them together to create logical flows without the need to write a single line of code. MUSE Automator also supports the creation of custom nodes using JavaScript. Also built on a platform that embraces third-party integration, FLUX:: leads the industry in creating immersive audio and allows creators to work with the platforms they prefer, to create the best experiences possible.

HARMAN is the architect of immersive experiences, delivering scalable, end-to-end solutions that redefine the installation landscape.

SOFTWARE SOLUTIONS

SPAT REVOLUTION

APPLICATIONS SERVED:

Houses of Worship
Hospitality
Tour Sound
Stadiums
Immersive Audio

AN OUTSTANDING IMMERSIVE EXPERIENCE

FLUX:: SPAT Revolution is a powerful object-based and perceptual immersive mixing solution, providing artists, sound designers, and sound engineers the tools to design, create, and mix outstanding real-time immersive experiences. SPAT Revolution seamlessly integrates with a variety of DAWs and playback systems, allowing for local inter-application audio transport and automation.



FEATURES

Integrates with a Wide Range of DAWs
The FLUX:: AudioPipe technology, available in the SPAT Send and SPAT Return plugins, makes it possible to integrate with a wide range of DAWs, including Ableton Live, Pro Tools, Reaper, and Logic Pro

Flexible Control
Control via tablet, phone, or computer

Extensive List of Object Parameters
SPAT Revolution offers an extensive list of advanced object parameters based upon how humans perceive sound

Easily Adapt to Unique Speaker Arrangements
SPAT Revolution doesn't favor any output format or speaker system. This makes it just as easy to create a Dolby 7.1.4 system mix to adapt to any other unique speaker arrangement

Advanced Reverb Engine
The result of years of research from IRCAM developers, SPAT's reverb engine enables it to create an exceptionally natural acoustic simulation - the most fundamental element of a truly immersive experience

Multi-OS Compatibility
Windows, macOS, Android

VENUE SYNTHESIS

APPLICATIONS SERVED:

Houses of Worship
Hospitality
Tour Sound
Stadiums
Immersive Audio

DESIGN IN NEW DIMENSIONS

Venue Synthesis allows system designers and engineers to accurately predict the acoustical and mechanical performance of JBL sound systems. The streamlined and intuitive user interface expedites the entire design process, allowing system designers to transition from conception to deployment in record time. The new advanced acoustic engine generates high-resolution simulations to accurately match real-life performance, while the sophisticated mechanical engine generates precise system reports and array statistics.



FEATURES

3D Full System Mapping
Precise, full mapping of acoustic coverage on any audience and architectural plane

2D System View
Visualize coverage, impact points, and loudspeaker angles

Special Object Creator
Quickly create common architectural and audience areas

Import Drawing
Import and trace 2D schematics to quickly model venues at scale

Delay Optimizer
Optimize loudspeaker delays for the venue

System Groups
Organize and link loudspeakers based on acoustic properties

Safety Warning Notification System
Safety and reliability alerts in real-time

Mechanics Tools and Array Statistics
Ensures safe rigging and adherence to regulatory requirements

Headroom Warning
Using lab-verified SPL data, if loudspeaker limits are exceeded, a warning provides specific headroom data, so users can reduce levels accordingly

AVX suite

APPLICATIONS SERVED:

Houses of Worship
Hospitality
Tour Sound
Stadiums
Immersive Audio

CREATIVITY AT YOUR FINGERTIPS

AVX Suite™ streamlines the configuration, control, monitoring, and management of BSS Soundweb OMNI systems through three user-friendly applications, AVX Architect™ for system configuration, AVX Control™ for day-to-day system operation, and AVX Manager™ for system management. AVX Suite provides the tools needed to design and manage highly scalable and flexible system solutions.



FEATURES

Unified suite of purpose-built apps

- AVX Architect for system illustration, device configuration, and custom UI creation
- AVX Control for system operation
- AVX Manager device and network setting management

Flexibility
Choice of centralized or distributed DSP topologies

Scalability
Unlimited Soundweb OMNI processors can be added to a single project file

Open-Architecture
Single canvas, multi-device configuration of open-architecture DSP

Connectivity
HARMAN HControl protocol, and private and public routing for Dante

Access custom UIs on any OS
Windows, macOS, Android, iOS, and even AMX Varia touch panels

User-friendly
Modernized Custom UI Builder

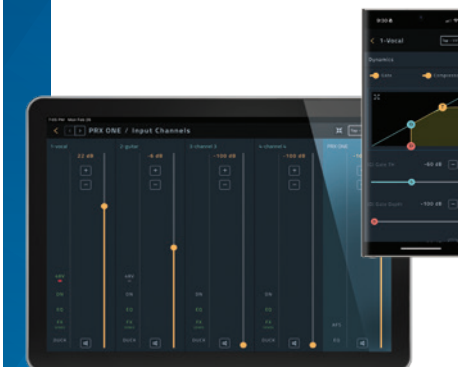
JBL PRO CONNECT V2

APPLICATIONS SERVED:

Houses of Worship
Hospitality

CONTROL AT YOUR FINGERTIPS

JBL Pro's universal control application just got even more connected. Explore endless possibilities before you even pair, with fully contained demo mode. New full screen resolution, mix out pre/post-fader support, snapshot language feature, and more elevate the user experience, right at your fingertips. JBL Pro Connect puts control in your hands so you can sound amazing even before you begin your performance.



FEATURES

Streamlined Control
Manage mixer and DSP functions, as well as a variety of pre-loaded presets

Bluetooth 5.0 Functionality
Connect and sync up to 10 JBL Pro Connect-enabled speakers

Personalize Your Workflow
Group speakers for mixing, rename channels for traditional channel strip functionality, and more

Demo Mode
Explore app capabilities and configure and save system settings and presets without being connected to speakers

Full-Screen Mode
Offers a higher degree of resolution for editing and adjusting faders, and more

MIX OUT Pre/Post-Fader Support
Switch between pre/post-faders to match use-case scenarios

Snapshot Language Support
Save snapshots in a variety of select local languages when the keyboard has been loaded to the device

HARMAN'S HOSPITALITY INTEGRATED SOLUTIONS BENEFITS BREAKDOWN



IMMERSIVE EXPERIENCES

Create unforgettable moments through stunning visuals, crystal-clear audio, and dynamic lighting.



SEAMLESS INTEGRATION

Our solutions work together harmoniously to enhance every aspect of your guest journey.



SCALABILITY

Expand and adapt your systems to meet future demands without disruption.



OPERATIONAL EFFICIENCY

Streamline operations and maximize resource utilization.

HOSPITALITY

Transform Your Hospitality Spaces with Seamless, Immersive Experiences

Your guests crave extraordinary experiences. HARMAN delivers integrated solutions that captivate and engage, transforming your hospitality spaces into unforgettable destinations. As your partner in innovation, we offer a comprehensive suite of audio, video, control, and lighting systems, meticulously designed to harmonize and elevate every guest interaction. Our solutions are tailored to your unique vision, from boutique hotels to grand resorts, ensuring a perfect fit for any scale or style.

Imagine a world where technology disappears into the background, leaving only a purely elevated experience. Our systems seamlessly blend together, creating immersive environments that delight the senses. With HARMAN, you can curate unforgettable moments, from the soothing ambiance of a spa to the electrifying energy of a nightclub. We understand that your needs evolve. That's why our hardware is built for the future. Our scalable solutions grow with your business, ensuring long-term value and investment protection. From initial installation to future expansions, we're your trusted ally.

HARMAN's portfolio of iconic brands, including JBL, Crown, AMX, and Martin, guarantees exceptional performance and reliability. Our commitment to innovation ensures your investment delivers long-term value. With a legacy of excellence, HARMAN empowers you to create lasting connections with your guests. Let us help you redefine hospitality.



 MAYFAIR LAKE RESORT, INDIA



 FOUR SEASONS HOTEL, CHINA

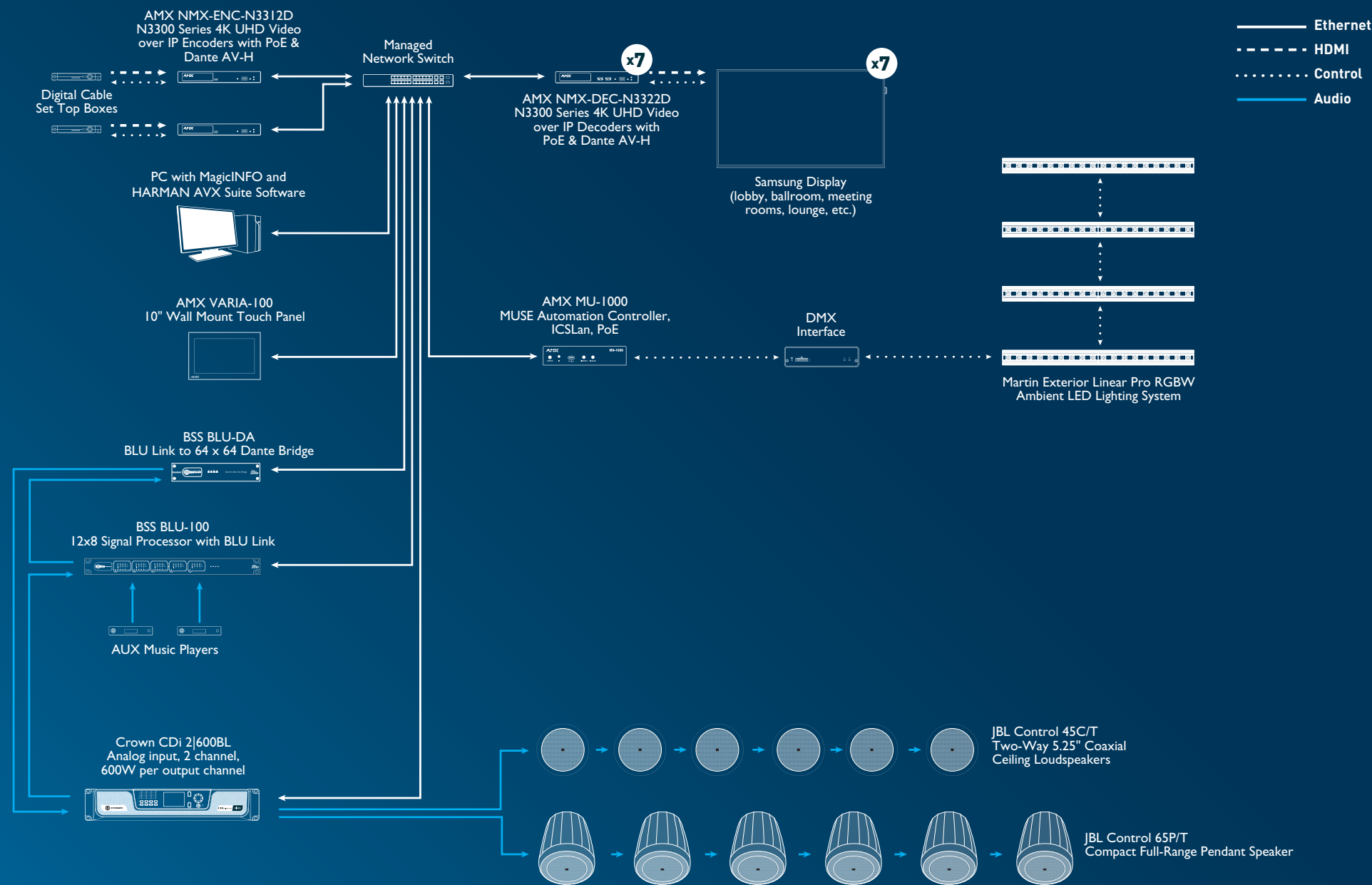


 O'LEARYS, SWEDEN



 PARK LANE HOTEL, CYPRUS

HOSPITALITY APPLICATION DIAGRAM - HOTEL LOBBY



*APPLICATION SUGGESTIONS ONLY

RECOMMENDED PRODUCTS

MU-1000
MUSE Automation Controller

- Embedded processor can run a nearly unlimited number of scripts simultaneously
- Robust eMMC industrial-grade storage for high-access 24/7 reliability
- Secure Linux platform surpasses requirements of the most secure environments

BLU-100
12x8 Signal Processor with BLU link

- Rich palette of processing and logic objects included
- Low-latency, fault-tolerant Digital Audio Bus support
- Remote configuration, control and monitoring

CDI SERIES
Amplifiers with BLU link

- Range of models to customize power, channels, and features needed
- On-board DSP for remote control of gain, EQ, delay, and more
- Completely configure the amplifier using an intuitive front-panel interface

DRIVERACK VENU-360
Complete Loudspeaker Management System

- Accurate, fast, and non-intrusive automatic EQ experience
- Enhanced AFS algorithm for faster, more precise feedback elimination
- Integrated wizard functions guide easy, step-by-step configuration

CONTROL 65 P/T
Compact Full-Range Pendant Speaker

- RBI (Radiation Boundary Integration) technology ensures consistent, wide coverage
- Choice of 8 ohm and 60W multi-tap transformer configurations
- Black and white models available

EXTERIOR LINEAR PRO
Outdoor Linear Fixtures

- Slim design and low weight makes easier to integrate into architectural elements
- Factory calibration of colors offers superior color consistency
- DMX-controllable and easier to install with integrated universal power supply

PRODUCTS USED

AKG

- CS3 Conference Microphones

AMX

- Precis Video Switcher
- NX-2200 Netlinx NX Integrated Controller
- Acendo Core
- Modero 10" Touch Screen
- Video Transceivers

CROWN

- DCI Series Amplifiers

JBL

- Control 16C/T Ceiling Tile Speakers



WYNDHAM OCEAN DRAGON HOTEL, VIETNAM



OPPORTUNITY

The Wyndham Ocean Dragon hotel aimed to deliver 5-star experiences for guests in its meeting rooms and hired leading integrator TNNI to install a state-of-the-art, easy-to-use AV system.



SOLUTION

TNNI installed a range of HARMAN Professional networked audio and control solutions using JBL speakers, AKG microphones, Crown amplifiers, and AMX network and control devices. TNNI chose the AMX Precis video switcher for its fully featured HDMI video routing and affordability. The NX-2200 NetLinx NX Integrated Controller offered a scalable platform that combines high performance and comprehensive network security features. The Modero touch screen served as a single point of control, integrating all system functionality into a single interface.



INSTALLATION SPACES

- Meeting Rooms

“The seamless integration between the AMX control system and the AKG audio conference system has significantly improved meeting operations.”



SEE THE FULL CASE STUDY



THE ROXY, USA



OPPORTUNITY

Known for hosting some of the most iconic performances and live recordings, the Roxy has been a cultural touchstone for five decades. In 2023, in celebration of its 50th anniversary, the Roxy sought to upgrade its sound system to provide concertgoers with an even more epic live music experience.



SOLUTION

Rat Sound Systems selected JBL's VTX A-Series to meet the Roxy's demands for fidelity, power, and coverage, while ensuring the system did not obstruct views from any spot in the venue, including the VIP balcony seating. The solution included 12 VTX A8 three-way line array cabinets for the main left/right coverage, four VTX B28 dual 18-inch subwoofers for deep bass, and a selection of AE Compact speakers for fills. Crown I-Tech 4X3500HD DriveCore™ four-channel amplifiers were used to power the system, ensuring consistent, high-quality sound performance. JBL's user-friendly VTX rigging hardware was instrumental in the successful installation and overcoming the tricky corner stage layout of the Roxy.



INSTALLATION SPACES

- Live Entertainment Concert Venue

“We are thrilled with the partnership with Rat and JBL, who helped us in keeping the Roxy, the best-sounding room in the world.”



SEE THE FULL CASE STUDY

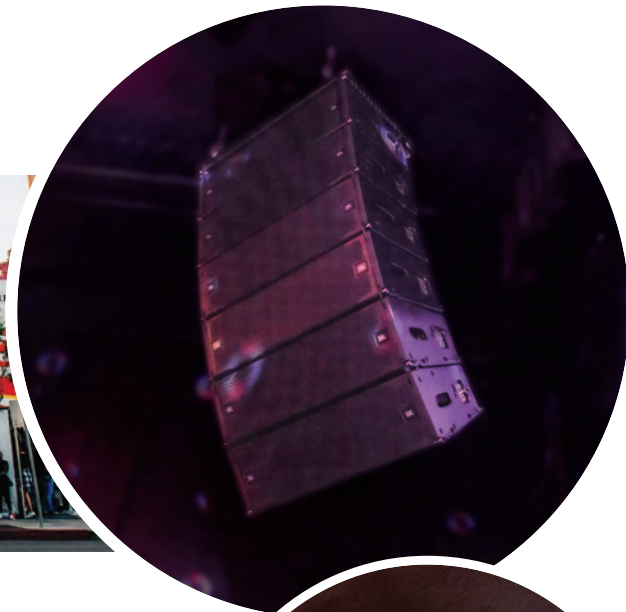
PRODUCTS USED

CROWN

- Crown I-Tech 4X3500HD DriveCore

JBL

- 12 VTX A8 Three-way Line Array Cabinets
- Four VTX B28 Dual 18-inch Subwoofers
- Selection of AE Compact Speakers for Fills



PRODUCTS USED

Martin

- MAC Ultra Family
- MAC Aura Family
- ERA Family
- ELP Family
- Exterior Family
- Atomic Family
- VC Family

CARNIVAL JUBILEE, USA



OPPORTUNITY

To create the ideal lighting design to infuse world-class production value into each of Jubilee's many entertainment venues, theaters, and performance spaces, Carnival's design team needed a solution that encompassed versatile and showstopping performance. It employed the latest, state-of-the-art technologies; and could ensure maximum uptime, reliability, and ease of serviceability.

SOLUTION

Through a long and successful partnership outfitting Carnival's entire fleet of advanced vessels, Martin Professional was selected to provide entertainment lighting for all of Jubilee's entertainment venues. To surpass every lighting need and requirement in the design, a variety of Martin's most powerful, efficient and progressive fixture ranges were specified for installation throughout the ship's venues.

INSTALLATION SPACES

- Performing Arts Theater

“Martin fixtures are reliable and easy to maintain and clean. It's easy for us to train the technicians, because the way Martin fixtures are made are modular, and it's easy to remove parts, clean them up, and put them back together.”



SEE THE FULL CASE STUDY

HMV 363 OXFORD STREET, ENGLAND



OPPORTUNITY

The original 363 Oxford Street store opened in July 1921 and quickly gained a worldwide reputation for its huge range and quality of service. In designing the new store, hmv was unequivocal in the importance of a quality sound system.

SOLUTION

hmv turned to HARMAN's JBL Professional loudspeakers, installed by Insurface Media via Sound Technology Ltd, to provide high-quality audio across their store and live performance stage. Inspired by JBL's work with Jack White's Third Man Records, hmv sought JBL's range for its flexibility and superior sound. The ground floor features ten JBL Control 65 speakers, with additional subwoofers, while the first floor and basement use JBL Control 23-1 speakers and subwoofers. The live stage showcases AKG microphones and JBL's SRX900 line-array system, powered by Crown amplifiers. The setup ensures a premium audio experience for customers and artists alike.

INSTALLATION SPACES

- Retail Store
- Live Performance Room

“The combination of JBL's highly evolved and different speaker designs have worked together in one space, to create a very engaging and high-quality sound system.”



SEE THE FULL CASE STUDY

PRODUCTS USED

AKG

- C451 Microphones
- D5 Microphones
- D7 Microphones
- D112 Microphones
- D40 Microphones
- DMS300 Wireless Microphones

BLU

- BLU-100 Signal Processors
- BLU-326 I/O Expanders
- EC-4BV Wall Panels

CROWN

- CDi Series Amplifiers
- iTech HD Series Amplifiers
- XLS DriveCore 2 Series Amplifiers

JBL

- AE Series AC16 Compact Loudspeakers
- Control 23-1 Ultra-compact Loudspeakers
- Control 50S/T Surface-mount Subwoofers
- Control 60PS/T Pendant Subwoofers
- Control 65 P/T Pendant Loudspeakers
- PRX ONE Powered Column Loudspeakers
- SRX910LA Powered Line Array Loudspeakers
- SRX928S Powered Subwoofers
- VTX M20 Wedge Monitors



HARMAN'S EDUCATION INTEGRATED SOLUTIONS BENEFITS BREAKDOWN



IMMERSIVE EXPERIENCES FOR FOCUSED LEARNING

Our integrated audio, video, control, and lighting solutions are transforming campuses, creating an immersive learning experience that truly captivates students.



STREAMLINING LESSON DELIVERY

Empowering instructors, our intuitive control systems simplify the user experience and eliminate the hassles of dealing with complex technology.



SIMPLE CONFIGURATION MANAGEMENT

IT professionals and technology managers can easily manage their system and components, including HETMA- and other education alliance-approved products, through a unified, user-friendly interface.



OPTIMIZE INFRASTRUCTURE SPEND

Our premium solutions deliver exceptional value, empowering impactful and engaging learning experiences and growing the reputation of your institution.



EDUCATION

Shaping and Streamlining Dynamic Learning Environments

Academics should be engaging and enjoyable for students and rewarding for faculty. At HARMAN, we inspire educational institutions worldwide to create dynamic learning environments. Our leading-edge audio, video, control, and lighting systems are crafted to enhance the educational experience, fostering an atmosphere where learning and development thrive. We offer custom-tailored solutions for diverse educational settings, from sprawling campuses and classrooms to lecture halls and hybrid learning centers.

Our brands support some of the world's most sophisticated universities and set a higher standard in academic circles. As just one example, the Higher Education Technology Managers Alliance (HETMA) includes HARMAN products in its Approved Program that provides specifiers and integrators with suggestions for reputable product choices in their designs. We're not just respected; we're synonymous with quality, innovation, performance, and reliability.

We share your passion and are committed to your institution's success. By deeply understanding your unique needs, we deliver solutions that are truly one-of-a-kind and partner with you every step of the way to engage and inspire your community.

At HARMAN, our lineup includes renowned brands like AMX, BSS, JBL, Crown, and Martin that have transformed campuses of all sizes and disciplines. As pioneers, we continuously reshape the educational landscape to ensure we can exceed your goals and vision. From installation to ongoing support, our experts are dedicated to your success. Let us be your partner for creating dynamic learning environments that ignite curiosity and inspire learning.



FLAME UNIVERSITY, INDIA



UNIVERSITY OF NORTHAMPTON WATERSIDE, ENGLAND



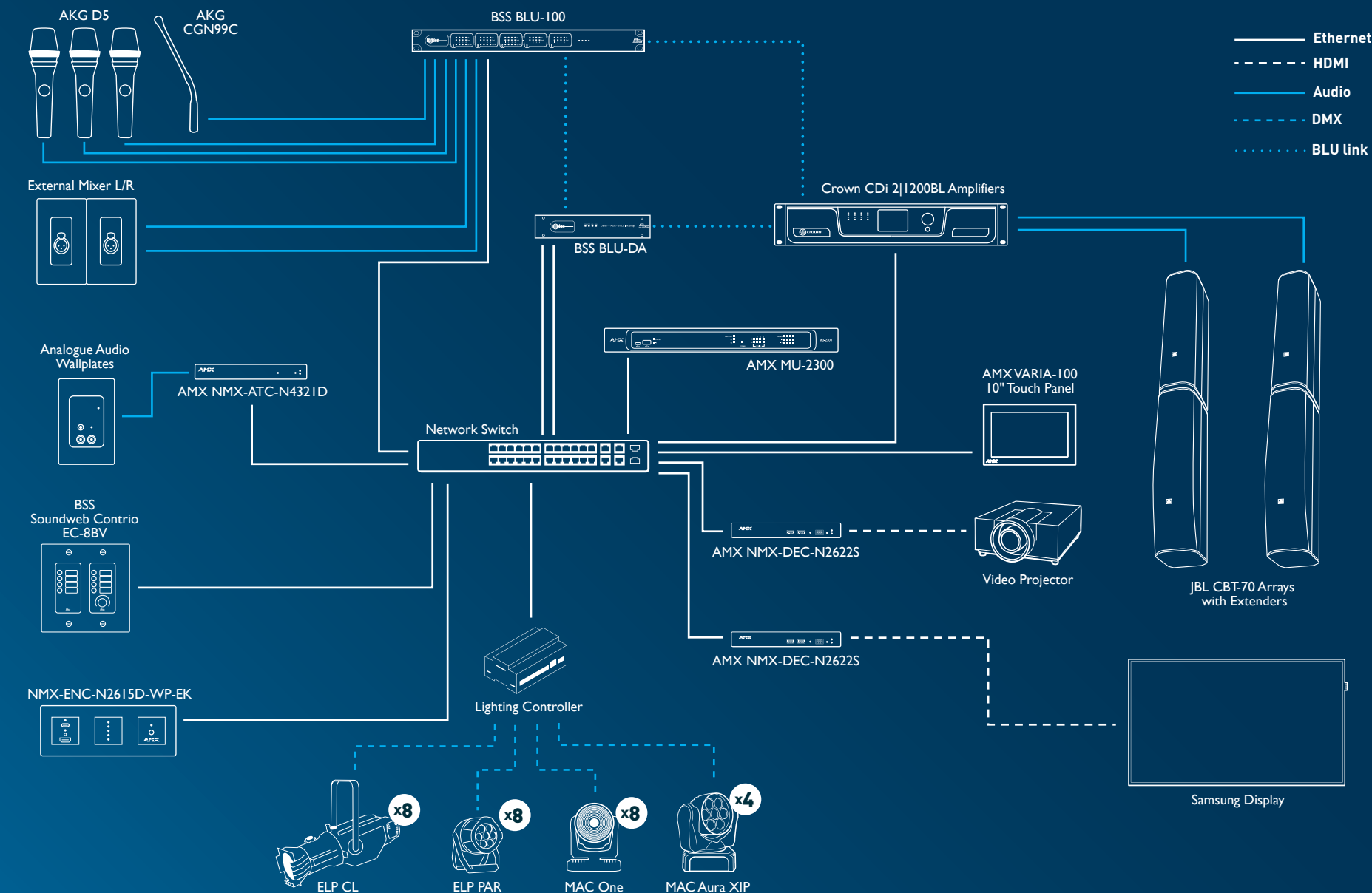
JAMES COOK UNIVERSITY, AUSTRALIA



BILINGUAL CANADIAN INTERNATIONAL SCHOOL, VIETNAM



EDUCATION APPLICATION DIAGRAM



RECOMMENDED PRODUCTS



VARIA
Professional-Grade, Persona
Defined Touch Panels



- Designed to adapt to the needs of applications by offering a selection of personas
- Range of screen sizes and mounting configurations to work in a variety of scenarios
- Any-color side LEDs can be programmatically configured to any of over 1 million colors



DYNAMIC MICROPHONE SERIES
D5 Dynamic Microphone



- Patented, laminated Varimotion diaphragm
- High feedback suppression with supercardioid polar pattern
- Dual shock mount of microphone capsule



BLU-DA
Dante™ / AES67 to BLU link Bridge



- Configurable through HiQnet™ Audio Architect
- EN 54-16 compliant for life-safety applications
- Rich palette of logic objects provide a simple and familiar design environment



CBT SERIES
CBT 70 Arrays with Extenders



- Constant Beamwidth Technology
- Asymmetrical Vertical Coverage
- Complex analog delay beam-forming



MAC AURA XIP
Wash Fixture with Smart
Outdoor Protection



- Premium moving head wash with radical aura filament effect and full pixel control
- First fixture in its class rated for outdoor use, with near zero compromises in weight, size & aesthetics
- Raises bar for optical quality with even wash field with soft edge and minimal stray light



MAC ONE
Creative BeamWash Moving Head



- Narrow, high-intensity beam packs same punch as larger fixtures
- Stunning Fresnel lens creates soft wash with 4 to 27-degree zoom
- Innovative backlight system with 24 RGB effect LEDs

PRODUCTS USED

AKG

- WMS420 Wireless Microphone Systems

AMX

- SVSI N Series Encoders and Decoders
- Acendo Book Wall-Mounted Touch Panels
- MXD Touch Panels
- MST Touch Panels
- Acendo Vibe ACV-2100 Soundbars



- BLU-50 Signal Processors
- BLU-100 Signal Processors



- CDi Series Amplifiers



- CBT Series Loudspeakers
- Control 23-I Loudspeakers
- Control 65 P/T Loudspeakers
- SRX818SP Subwoofers



UNIVERSITY OF NORTHAMPTON WATERSIDE, ENGLAND



OPPORTUNITY

To create a modern, 21st-century learning environment at its new Waterside campus, the University of Northampton required a state-of-the-art campus-wide networked AV solution.



SOLUTION

The University of Northampton, serving over 12,000 students, built a state-of-the-art campus in Northampton's Waterside district to support flexible, collaborative learning. The campus features cutting-edge HARMAN AV solutions, including AMX, JBL, Crown, BSS, and AKG equipment, provided by Midwich and installed by Kinly. Key technologies include networked AV systems, 4K video streaming, and advanced audio solutions for 170+ flexible teaching spaces. This integrated system supports the university's Active Blended Learning approach. "With a single supplier, the technology delivers seamless, user-friendly experiences," said Andrew Taylor, Digital Services Manager. The project sets a global benchmark for digital campuses.



INSTALLATION SPACES

- Lecture Halls
- Common Areas

"We were able to provide Northampton with a cutting-edge HARMAN AV solution that enables the university to create an advanced collaborative learning environment with extraordinary flexibility."



SEE THE FULL CASE STUDY



TEXAS A&M UNIVERSITY, USA



OPPORTUNITY

To facilitate student engagement while simplifying operation for instructors, the Innovative Learning Classroom Building (ILCB) at Texas A&M required a sophisticated networked AV system.



SOLUTION

Texas A&M University, serving over 71,000 students, launched the Innovative Learning Classroom Building (ILCB) as part of its campus expansion. The ILCB includes 10 unique learning spaces, ranging from small studios to arena-style lecture halls, designed for flexibility and collaboration. Avinext and Shalleck outfitted the facility with AMX AV systems, JBL speakers, and a Soundcraft Vi3000 console for seamless control, premium sound, and flexible audio-video routing. These technologies enhance teaching and learning while simplifying operation. The ILCB sets a benchmark for innovative education and marks the beginning of Texas A&M's "10 in 10" expansion program.



INSTALLATION SPACES

- Lecture Halls

"The AMX user interface has helped us know how far we can push the envelope; how far we can expand."



SEE THE FULL CASE STUDY

PRODUCTS USED

AMX

- Hydraport HPX Table Module
- Modero G5 Touch Panels
- NetLinX NX Integrated Controller
- SVSI N2400 Series Encoders And Decoders



- Control 29AV-I Wall-Mounted Loudspeakers
- Control 47HC High-Ceiling Speakers
- Control 67 HC/T Pendant Speakers

Soundcraft

- Soundcraft Vi3000 Console

PRODUCTS USED



- Acendo Vibe ACV-5100BL Soundbars
- MD-702 Touch Panels
- MSA-MMK-07-7 Glass Mounting Kits
- SVSI Encoders and Decoders
- NetLinx-1200 Controllers



- BLU-806 Signal Processors



- DCi 8|300 N Amplifiers



- Control 65 P/T Pendant Speakers



UNIVERSITY OF WESTERN AUSTRALIA, PERTH



OPPORTUNITY

To provide an optimal student experience in the new EZONE learning space, the University of Western Australia required robust AV systems to support a wide range of applications.



SOLUTION

Located at the University of Western Australia's Perth campus, EZONE is a cutting-edge STEM learning hub designed for conferences, seminars, and collaborative study. To support diverse activities, UWA partnered with 3D Audio Visual to install a HARMAN networked AV system featuring JBL Control pendant speakers, Crown amplifiers, AMX touch panels, and BSS signal processors. The system ensures seamless AV control and high-quality sound, even in the glass-heavy architecture. "The setup offers great flexibility for future expansion," said Clifton Newton, UWA's AV Manager, highlighting EZONE's adaptability for teaching and research.



INSTALLATION SPACES

- Classrooms

"We are delighted with the HARMAN system. The entire system offers great flexibility for the future, if and when we decide to expand."



SEE THE FULL CASE STUDY



NORWEGIAN ACADEMY OF MUSIC, NORWAY



OPPORTUNITY

The Norwegian Academy of Music—Norway's largest university-level music conservatory—needed to upgrade the existing sound system in its prestigious Lindeman Hall.



SOLUTION

The Norwegian Academy of Music (NMH) in Oslo, Norway's largest music conservatory, recently upgraded the sound system in Lindeman Hall, its main concert venue. Originally founded in 1883 and officially established in 1973, NMH selected LydRommet to enhance Lindeman Hall's audio capabilities. LydRommet installed JBL VTX A8 line array speakers, replacing older VerTec Series systems. This setup, which includes 25 VTX A8 speakers and six F18 subwoofers, integrates with existing Crown I-TECH HD Series amplifiers for improved sound quality and sustainability. The JBL VTX A8 system provides exceptional coverage and clarity, enhancing NMH's diverse musical performances and aligning with its environmental goals.



INSTALLATION SPACES

- Concert Hall

"The coverage of the VTX A8 speakers is perfect for the size of the hall, and its flat frequency response sounds very natural, yielding versatility for different music styles."



SEE THE FULL CASE STUDY

PRODUCTS USED



- ITECH 4x3500HD Amplifiers



- VT4883 Subwoofers
- VT4886 Line Array Speakers
- VTX A8 Line Array Speakers
- VTX F18S Subwoofers



HARMAN'S HOUSE OF WORSHIP INTEGRATED SOLUTIONS BENEFITS BREAKDOWN



ELEVATE THE WORSHIP EXPERIENCE

Our state-of-the-art solutions provide unparalleled clarity and expertly delivered audio, video, and lighting - creating captivating and immersive experiences for worshippers.



FAVORED AMONG WORSHIP LEADERS WORLDWIDE

Our legendary products operate quietly yet profoundly, leaving a distinct impression in the simplest and most sophisticated houses of worship around the world.



SEAMLESS INTEGRATION AND EFFICIENT SYSTEM MANAGEMENT

Our intuitive and powerful control systems empower worship leaders to easily control and coordinate the worship experience with minimal technology distractions



FUTURE-PROOF YOUR WORSHIP EXPERIENCE

Invest in the future of your ministry with HARMAN. Our installations ensure your worship experience remains relevant and continues to inspire congregants for years to come.



HOUSES OF WORSHIP

Uplifting and Enlightening House of Worship Congregations

Every house of worship is a conduit for spiritual connection and enlightenment. At HARMAN, we are committed to elevating your space in whatever way best supports your vision to better connect with your congregation. Our industry-revered audio, video, control, and lighting systems are meticulously crafted to exceed your expectations for state-of-the-art worship experiences. Whether you seek to amplify a clearer message or infuse your space with a high-performance audiovisual and lighting showcase, we want to be your trusted technology partner.

Whether your house of worship is a church, temple, mosque, synagogue, or other sacred space, it has its own voice and story to tell. Our expertise lies in rising above the acoustics and architectural challenges to deliver advanced solutions that beautify and embolden the spiritual experience.

Across continents, our name resonates with quality, innovation, and reliability. Worship leaders across the globe find solace in our legacy. Our passion for innovation continues to push the boundaries of what is possible, continually redefining the worship experience.

At HARMAN, innovation is in our DNA. Our iconic brands such as AKG, AMX, BSS, JBL, Crown, and Martin stand as beacons of quality, design, and unwavering reliability. Our worship solutions are built for lasting impact and changing technology. They ensure your worship space remains impactful and inspiring for years to come. From planning to installation to support, HARMAN is your dedicated partner in supporting your spiritual mission.



DUSHANBE CENTRAL MOSQUE, TAJIKISTAN



EUN-PA CHURCH, SOUTH KOREA



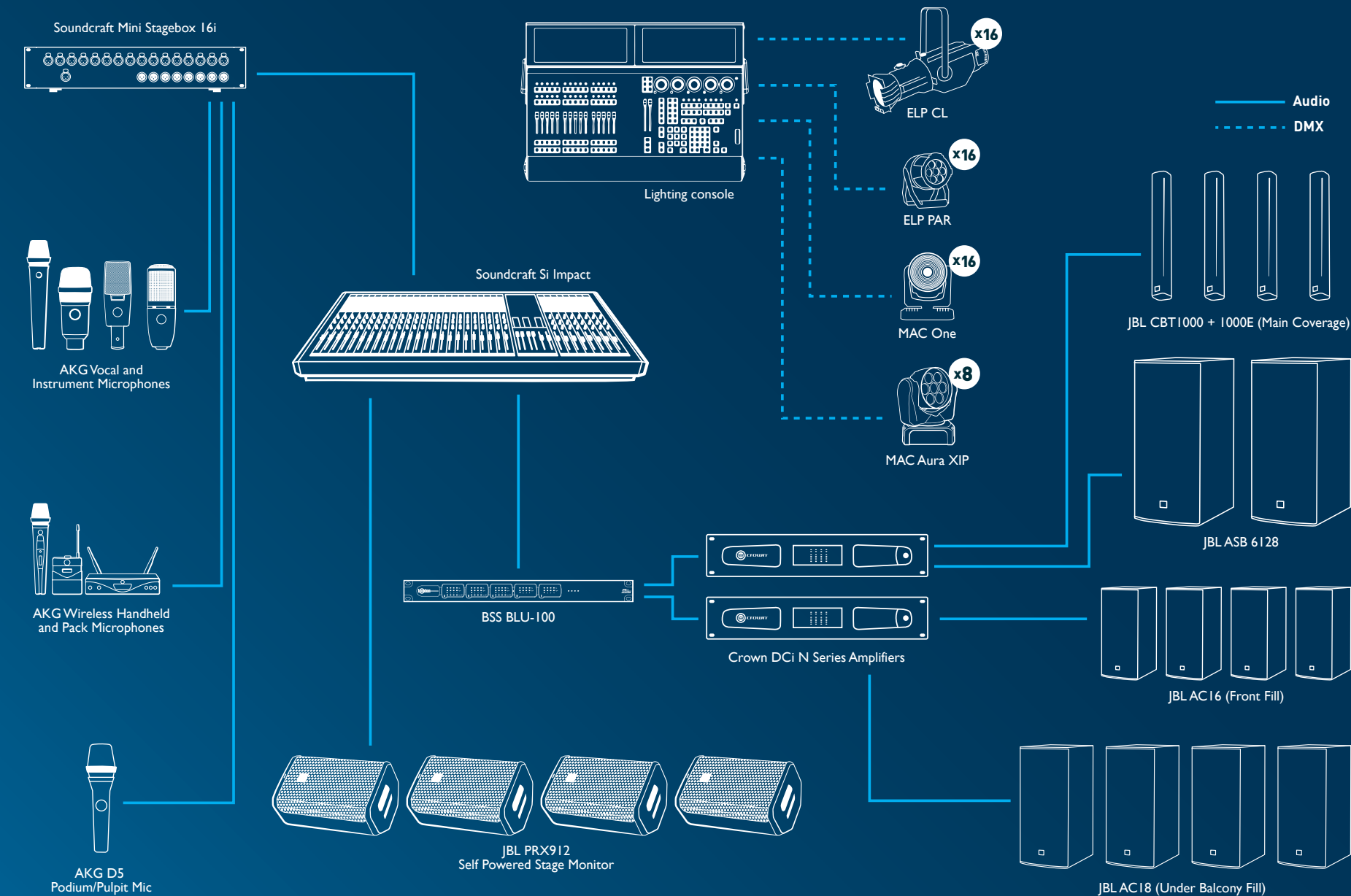
THE SCHOOL OF NICHIREN'S DAIJOZAN HOUONJI TEMPLE, JAPAN



UNITE SAN ANTONIO, USA



HOUSE OF WORSHIP APPLICATION DIAGRAM



*APPLICATION SUGGESTIONS ONLY

RECOMMENDED PRODUCTS

C414 SERIES
Reference Multi-pattern Condenser Microphones

- Engineered for the highest linearity and neutral sound
- Nine selectable polar patterns ensures the perfect setting for every application
- Three attenuation levels (-6,-12,-18dB) for recording high-output sources of up to 158dB SPL

CBT SERIES
CBT1000 Line Array Columns

- Constant Beamwidth Technology
- Asymmetrical Vertical Coverage
- Next-generation Pattern Control Consistency

MAC ONE
Creative BeamWash Moving Head Fixtures

- Narrow, high-intensity beam packs same punch as larger fixtures
- Stunning Fresnel lens creates soft wash with 4 to 27-degree zoom
- Innovative backlight system with 24 RGB effect LEDs

DCi N SERIES
Amplifiers with BLU link

- Choice of 2/4/8-channels and 300W to 2400W output
- Network monitoring, onboard DSP & programmable GPIO ports
- Send/receive content over HARMAN's BLU link digital interface

ASB SERIES
Compact Subwoofers

- High power, lightweight front-loaded vented subwoofer
- Features neodymium magnets and ultra robust cones for extra long life
- Large vent area for high output with low distortion

SI SERIES
Si Impact Mixing Consoles

- Up to 80 channels
- Simple as an analog mixer but with radical workflow enhancements
- FaderGlow™ system, massive DSP power & 32-in/32-out USB audio interface



PRODUCTS USED



CROWN

- I-Tech 12000HD Amplifiers



PROFESSIONAL

- VTX A-Series Line Array Speakers
- AC25 Loudspeakers
- AC18 Loudspeakers
- VTX B28 Subwoofers



SONGDO GANAAN CHURCH, SOUTH KOREA



OPPORTUNITY

The church needed a large-scale audio-visual upgrade. This upgrade was aimed at delivering crystal-clear sound to every seat in the church.



SOLUTION

TechDataPS Co., Ltd. and Saegyro-In-Sound upgraded Songdo Ganaan Church's sound system with JBL Professional loudspeakers. The installation featured 24 VTX A12 line array speakers powered by Crown I-Tech 4x3500HD amplifiers, ensuring even sound distribution. Eight VTX B28 subwoofers delivered deep bass, while JBL AC25 loudspeakers provided front fill. To address acoustic blindspots, 36 JBL AC18 loudspeakers ensured consistent audio across the venue. Amar Subash of HARMAN Professional Solutions praised the project, emphasizing the system's ability to handle a range of musical performances, delighting the church's congregation.



INSTALLATION SPACES

- House of Worship Stages

“Since we upgraded, we have been able to deliver performances for a wide range of music, from orchestral to modern worship songs with rock and EDM elements.”



SEE THE FULL
CASE STUDY



MILE HI CHURCH, USA



OPPORTUNITY

Mile Hi Church required a state-of-the-art sound solution to deliver clear, detailed audio for speakers and performers during services and special events.



SOLUTION

Founded in 1959, Mile Hi Church in Colorado is a vibrant spiritual community. Their 1,500-seat sanctuary, built in 2008, hosts weekly services, concerts, and renowned speakers like Deepak Chopra. To address challenges with vocal clarity and aging equipment, Mile Hi upgraded to JBL VTX A-Series loudspeakers, Crown amplifiers, and BSS processors. The system delivers detailed sound with uniform coverage, enhancing the experience for all attendees. Audio Visual Coordinator Nathan Marschall praised the system's clarity and ease of setup, while congregants celebrated the improved audio quality and balance throughout the space.



INSTALLATION SPACES

- House of Worship Stages

“We love the new speaker system. We're getting such wonderful compliments and comments from our congregants. It's just an overall better listening experience.”



SEE THE FULL
CASE STUDY

PRODUCTS USED



CROWN

- I-Tech 4x3500 Amplifiers
- I-Tech 12000HD Amplifiers



PROFESSIONAL

- VTX A8 Line Array Loudspeakers
- VTX B18 Subwoofers



PRODUCTS USED



- Blu-B06DA Signal Processors



- DCI Series Amplifiers



- Intellivox DS115 Column Loudspeakers
- Intellivox DSX500 Column Loudspeakers
- Intellivox DS180 Column Loudspeakers
- Intellivox DS280 Column Loudspeakers
- Intellivox DS380 Column Loudspeakers
- Intellivox HP-DS370 Column Loudspeakers
- Intellivox HP-DS170 Column Loudspeakers
- CSS-15C-VA Ceiling Loudspeakers

Soundcraft

- SI Impact Mixing Console



DUSHANBE CENTRAL MOSQUE, TAJIKISTAN



OPPORTUNITY

One of the largest mosques in Central Asia, Dushanbe Central Mosque required a massive networked audio system to distribute clear, intelligible sound to up to 120,000 attendees.



SOLUTION

Dushanbe Central Mosque, Tajikistan's largest and one of Central Asia's biggest, can host 120,000 people for large events, with 25,000 inside. Built in a hot climate, the mosque required an advanced, durable sound system. A&T Trade deployed 170 JBL Intellivox column loudspeakers with precise directivity for clear speech intelligibility. The system, powered by AXYS and Crown amplifiers and BSS processors, includes a Soundcraft mixer. The slim, paintable Intellivox speakers blend seamlessly with the mosque's decor. Using a Dante network, the setup ensures exceptional sound quality, meeting the mosque's unique architectural and environmental challenges.



INSTALLATION SPACES

- House of Worship Interiors

“We used HARMAN Professional's top-of-the-line products because they provide exceptional speech intelligibility and background sound reinforcement, even in difficult acoustic conditions.”



SEE THE FULL CASE STUDY



ST. ASAPH CATHEDRAL, WALES



OPPORTUNITY

Recognized as one of the oldest cathedrals in Wales, St. Asaph Cathedral sought to update its aging audio system to enhance sound quality for services, events, and visitors.



SOLUTION

Richard King Systems, in partnership with Sound Technology Ltd, installed a HARMAN Professional audio system at St. Asaph Cathedral, focusing on high-performance sound with minimal visual impact on the historic interior. The system features JBL CBT column loudspeakers, known for delivering clear sound in reverberant spaces while maintaining a discreet appearance. Canon John Liston praised the new system and Richard King's straightforward process. Richard Hughes, of Richard King Systems, highlighted the collaboration with HARMAN and JBL for meeting audio needs while providing excellent value, with support from Sound Technology's Matt Watt and Ryan Locker.



INSTALLATION SPACES

- House of Worship Interiors

“The new sound system is wonderful and we've been supported throughout. We're now confident that when we have people visiting, the sound is just as we need it.”



SEE THE FULL CASE STUDY

PRODUCTS USED

AKG

- WMS470 Wireless Microphones



- BLU-100 Signal Processors



- CDI Series Amplifiers



- CBT Column Speakers



HARMAN'S GOVERNMENT INTEGRATED SOLUTIONS BENEFITS BREAKDOWN



TRANSFORMING GOVERNMENT OPERATIONS THROUGH TAILORED SOLUTIONS

Our solutions are meticulously designed to meet diverse government needs, elevating staff experiences, while setting new standards in efficiency, transparency, and collaboration.



UNINTERRUPTED SERVICE DELIVERY AND ENHANCED EFFICIENCY

Experience seamless service delivery with our enterprise-grade solutions, designed to offer unmatched quality, performance, and reliability, ensuring enhanced efficiency in every aspect.



CENTRALIZED SOLUTIONS THAT DEFINE PERFORMANCE AND RELIABILITY

Our solutions are tested to excel in the most demanding environments. They are designed for failsafe redundancy and peak performance.



TRUST IN ENDURING VALUE AND A LONG-TERM PARTNERSHIP

When you invest in HARMAN government solutions, you secure long-term relevance, reliability, and durability. We collaborate closely to understand your needs, fostering efficient and productive government installations.



GOVERNMENT

Elevating Government Efficiency with Reliable and Resilient Solutions

As a government organization, you are responsible for ensuring the highest standards are adopted and enforced. At HARMAN, we understand these needs and requirements better than anyone else, which is why we have been the mission-critical choice for local, regional, and national government and military agencies for decades worldwide.

HARMAN not only adheres to the most stringent regulatory standards, but also excels within them. That's why many of our products have been certified as compliant, approved, or recommended by programs like the Joint Interoperability Testing Command (JITC) on the US Department of Defense Information Network (DoDIN) Approved Products List as well as the Australia ICT Security Branch and Head ICT Operations.

Our extensive portfolio of government-applicable audio, video, and control solutions are meticulously designed to meet the unique needs of various government applications, from courtrooms and council chambers to battlefield operations and network operations centers. This versatility has made us the preferred partner for government technology managers, specifiers, and buyers worldwide.

When you choose iconic brands like AMX, BSS, JBL, and Crown, you're investing in more than just advanced technology; you're securing long-term relevance, durability, and peace of mind. Our commitment goes beyond the initial purchase - we work closely with you to understand your specific needs, delivering solutions that exceed your expectations. With HARMAN, you're equipped to deliver efficient and productive installations that can be trusted to stand the test of time.



PERCY TENANTRY COLUMN, ENGLAND



REPUBLIC DAY CELEBRATIONS, INDIA



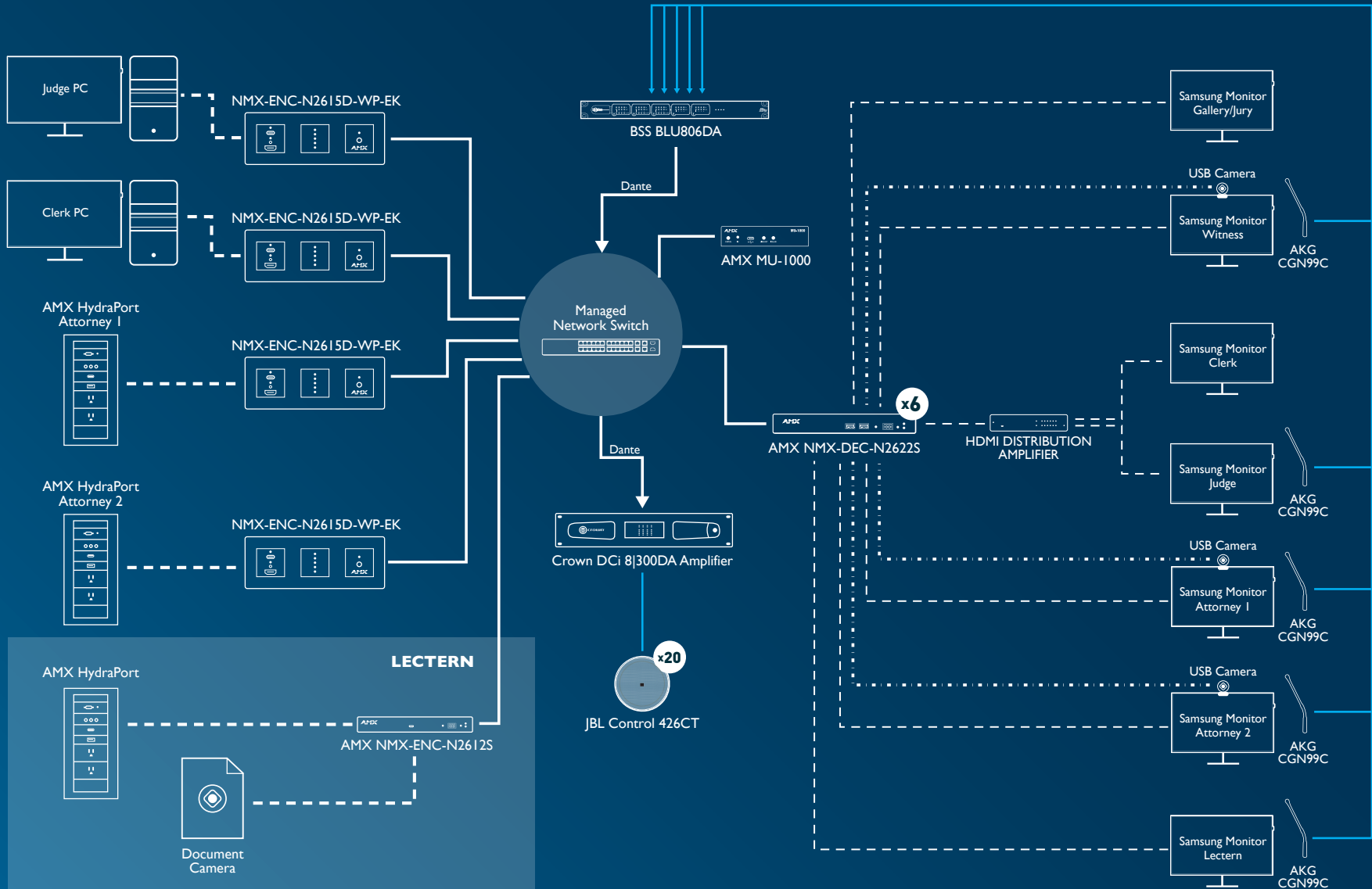
OFFICE OF THE PERMANENT SECRETARY FOR DEFENSE, THAILAND



AUSTRALIA HIGH COMMISSION, NEW ZEALAND

GOVERNMENT APPLICATION DIAGRAM

CONNECTED COURTROOM



RECOMMENDED PRODUCTS

SVSI N2600 SERIES
Encoder & Decoder Wallplates with Dante AV-A

- High-quality, low-latency 4K60 4:4:4 MWC codec
- Supports AMX Virtual Network USB 2.0 Hub technology
- Video preview images viewable from built-in web interface

HYDRAPORT
Architectural Connectivity Systems

- Choose from over 50 cable, retractable cable, power, and control modules
- Accessible from all sides of a table with a low-profile design and slim under-table depth
- Retractable cables feature industry-leading reliability and cables that reach further distances

DAC SERIES
Discreet Acoustics Compact Installed Microphones

- Specially designed for inexperienced speakers who speak from varying angles
- Rugged gooseneck available in multiple lengths
- Includes integrated XLR phantom power adapter with 250Hz bass rolloff

BLU-806DA
Signal Processors with BLU link & Dante

- EN 54-16 Compliant for life safety applications
- Configurable signal processing & AEC processing
- High bandwidth, fault tolerant digital audio bus

DCI INSTALL DA SERIES
Amplifiers with DANTE

- Choice of 4- or 8-channels and 300W to 1250W output
- Network monitoring, onboard DSP & programmable GPIO ports
- EN 54-16 Compliant for life safety applications

CONTROL 400 ENHANCED COVERAGE SERIES
Control 426C/T Ceiling Speakers

- Coplanar RBI™ (CRBI™) for consistent, clear coverage
- Redesigned terminal covers provide top and side cable entry ports
- Full-face magnetic grilles provide a sleek, refined look



PRODUCTS USED

AKG

- WMS470 Wireless Microphone System



- Soundweb London Signal Processors
- Soundweb Contrio Wall Controllers



- CBT Series Column Speakers
- Control Series Speakers



AUSTRALIA HIGH COMMISSION, NEW ZEALAND



OPPORTUNITY

Provide an audio system for an event space that ensures maximum intelligibility, versatility and ease-of-use for a variety of events and meetings.

SOLUTION

The Australian High Commission (AHC) in New Zealand offers diplomatic services and represents Australian interests. Its event space includes four rooms for hosting various events, which can be combined for larger gatherings. To improve audio quality, AHC hired Audio Workshop and JPRO to install a HARMAN Professional audio system featuring JBL, BSS, and AKG equipment. JBL speakers ensure clear, balanced sound; an AKG wireless mic system provides reliable performance; and BSS controllers allow flexible room setups. The system, controlled via Wi-Fi, meets AHC's audio needs with room for future expansion, exceeding their expectations for sound quality and functionality.



INSTALLATION SPACES

- Event Spaces

“We’re thrilled to see the **HARMAN** system has accomplished the AHC’s goals and surpassed their expectations.”



SEE THE FULL CASE STUDY



20TH ANNIVERSARY OF MACAO'S RETURN, CHINA



OPPORTUNITY

To ensure pristine sound with extensive coverage for the celebration of the 20th anniversary of Macao's return to China, the Macao East Asian Games Dome required a world-class audio system.



SOLUTION

To celebrate 20 years since its return to China, Macao held a dinner reception and inauguration ceremony at the Macao East Asian Games Dome. Xi Jinping, President of China, delivered a speech commemorating the anniversary and the inauguration of Macao's fifth administration. AV integrators Macao Chi Fu Lighting & Audio Technology Co., Ltd. were hired to install a cutting-edge audio system featuring JBL loudspeakers and Crown amplifiers. JBL VTX V20, PRX400 Series, and EON1500 speakers, powered by Crown I-Tech 4x3500HD and MA 9000i amplifiers, ensured pristine sound throughout the event.



INSTALLATION SPACES

- Live Stage Venue

“Macao Chi Fu equipped the venue with state-of-the-art **JBL VTX V20** line array loudspeakers to ensure crystal-clear sound in every seat.”



SEE THE FULL CASE STUDY

PRODUCTS USED



- I-Tech 4x3500HD Amplifiers
- MA 5000i Amplifiers
- MA 9000i Amplifiers



- EON612 Powered Loudspeakers
- EON1500 Passive Loudspeakers
- PRX400 Series Loudspeakers
- VTX V20 Line Array Loudspeakers



PRODUCTS USED



- Netlinx NX Series Central Controllers
- Resource Management Suite
- Rapid Project Maker



- Amplifiers



- JBL Professional Loudspeakers



COLORADO ARMY NATIONAL GUARD, USA



OPPORTUNITY

Create state-of-the-art training and accommodation facilities to educate and train America's future military leaders.

SOLUTION

The Colorado Army National Guard opened its largest construction project, the Regional Training Institute (RTI) and Training Center Complex (TCC) at Fort Carson. The 300,000-square-foot facilities provide state-of-the-art training for the Army National Guard, active duty, and Army Reserve. These facilities feature a unique anti-terrorism design using natural topography and advanced technology. HARMAN's AMX products, JBL speakers, and Crown amplifiers were integrated to meet military security standards. Used by various military and federal agencies, the RTI and TCC offer flexibility for training diverse units in classrooms and large meeting spaces, supporting future military operations.



INSTALLATION SPACES

- Military Training Centers

“Having a Certificate of Networthiness for RMS along with support for BYOD and the military's CAC cards, allowed us to deliver a secure and reliable solution.”



SEE THE FULL
CASE STUDY



METROPOLITAN ELECTRICITY AUTHORITY, THAILAND



OPPORTUNITY

The Metropolitan Electricity Authority is a Thai electricity and power provider that required networked AV and lighting solutions for its auditorium, meeting spaces and seminar rooms.



SOLUTION

To commemorate its 61st anniversary, the Metropolitan Electricity Authority hired Mahajak to install advanced HARMAN Professional AV and lighting systems throughout its Bangkok facilities, including meeting rooms, a convention center, and offices. Mahajak equipped rooms with AMX networked AV systems, JBL speakers, and Crown amplifiers for clear sound and seamless control via AMX control panels and wireless iPads. The auditorium, designed like a theater, features JBL line array speakers and Martin lighting fixtures. Mahajak also integrated AMX Resource Management Suite software for efficient monitoring and future-proof upgrades, ensuring streamlined AV management across the complex.



INSTALLATION SPACES

- Meeting Rooms
- Convention Center
- Offices

“We selected end-to-end AMX systems, as they support a wide range of distribution formats and applications, regardless of the distance between source and destination.”



SEE THE FULL
CASE STUDY

PRODUCTS USED



- Enova DGX800-ENC Digital Media Switchers
- NX Series Integrated Controllers
- Resource Management Suite (RMS) Enterprise Software
- SVSI N2000 Series Encoders and Decoders
- TPC-iPad Software



- BLU Series Processors



- AC Series Loudspeakers
- ASB Series Loudspeakers
- CBT Series Column Loudspeakers
- Control Series Ceiling Loudspeakers
- PRX Series Loudspeakers
- STX Series Subwoofers
- Vertec Series Line Array Loudspeakers
- VRX Series Line Array Loudspeakers



- MAC Quantum Profile Fixtures



- Signature Series Mixing Consoles
- Soundcraft Si Performer Series Mixing Consoles



HARMAN'S STADIUM INTEGRATED SOLUTIONS BENEFITS BREAKDOWN



ULTIMATE FAN ENGAGEMENT

Our solutions infuse every moment of the fan experience with an exhilarating energy, creating an immersive show that captivates fans and ensures the excitement lingers long after the event.



UNPARALLED EXPERIENCES

Enhance your reputation within the stadium industry by integrating our comprehensive audio, visual, and control solutions to deliver unparalleled entertainment experiences.



SEAMLESSLY CONTROL AND MANAGE THE SHOW

Elevate every game, performance, or event with our powerful and interactive components, featuring intuitive control and easily configured systems.



SHAPING TOMORROW'S VENUES

Our products are crafted to evolve with and surpass technology trends to align your business with long-running ROI and evolving success.



STADIUMS

Crafting Unforgettable Stadium Experiences

Fans arrive at sports and live entertainment events brimming with enthusiasm. Their passion electrifies the atmosphere, making it vibrant and unforgettable. HARMAN amplifies this excitement to its full potential and transforms stadiums into dynamic, interactive experiences. Our unparalleled portfolio of installed audio, video, control, and lighting systems is meticulously crafted to supercharge game-day energy and elevate fan interaction to extraordinary levels.

Each venue's unique architectural and acoustic challenges inspire us to push the boundaries of innovation. From striking exteriors to the adrenaline-fueled moments within the bowl, HARMAN's stadium solutions envelop fans in an immersive spectacle.

Leveraging our deep industry understanding and unmatched expertise, we tailor our systems to seamlessly integrate with every aspect of the venue, ensuring that each corner resonates with the excitement that fans crave.

At HARMAN, our remarkable portfolio features renowned brands like AMX, BSS, JBL, Crown, and Martin, each distinguished by an impeccable track record of legendary performance. As technology advances, we evolve with it - always staying ahead of the curve. Our expert team is dedicated to supporting the stadium experience, every step of the way, from planning and design to seamless integration and ongoing support.



BMO STADIUM, USA



CAIRO INTERNATIONAL STADIUM, EGYPT

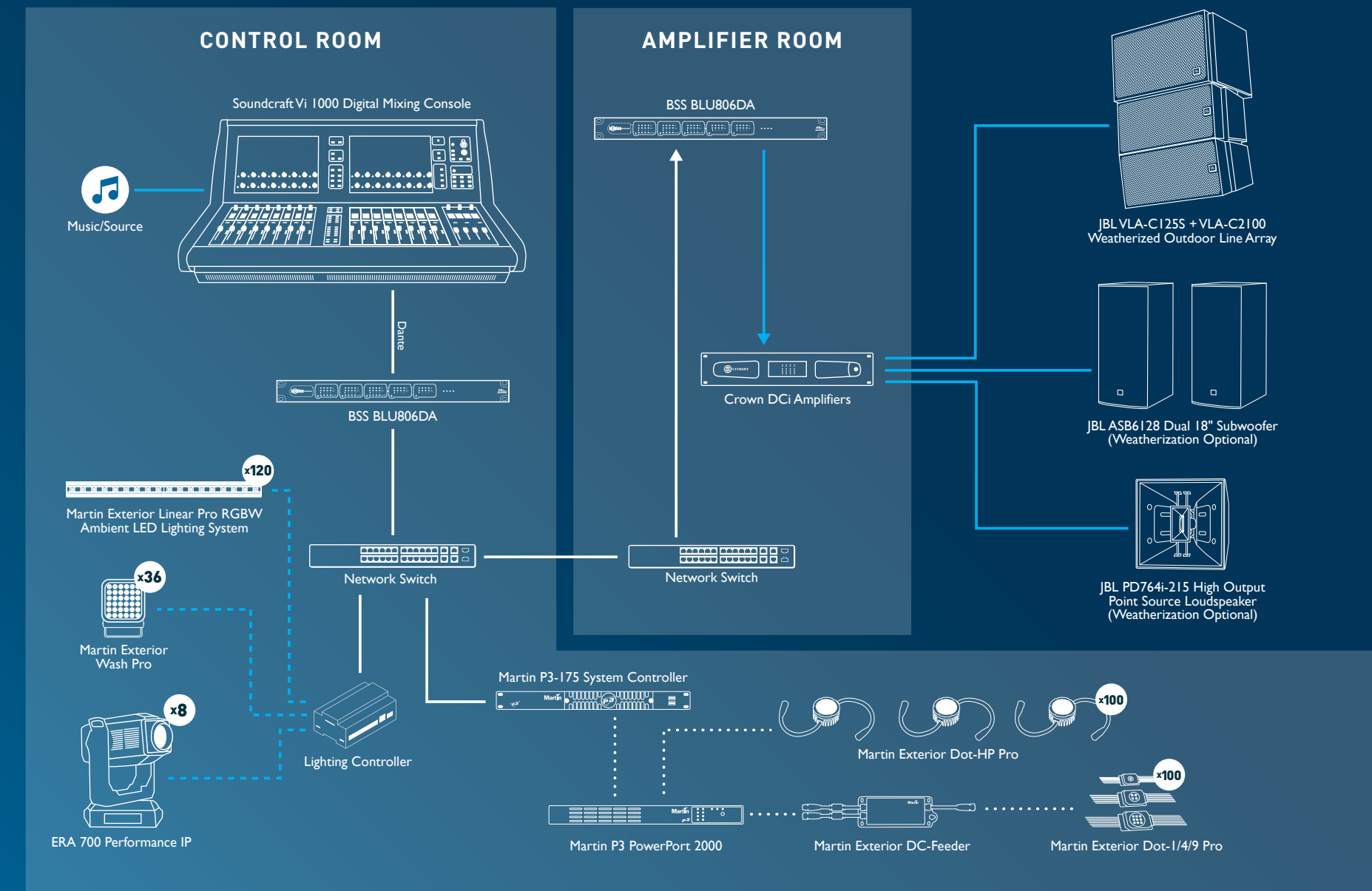


TWICKENHAM STADIUM, ENGLAND



BLOOMFIELD STADIUM, ISRAEL

STADIUM APPLICATION DIAGRAM



*APPLICATION SUGGESTIONS ONLY


RECOMMENDED PRODUCTS




BLU-806DA
Signal Processors with
BLU link & Dante



- EN 54-16 compliant for life safety applications
- Configurable signal processing & AEC (Acoustic Echo Cancellation) processing
- High bandwidth, fault tolerant digital audio bus



DCI SERIES
Amplifiers




- High-performance installation amplifiers powered by Crown's DriveCore technology
- Choice of 2, 4, or 8-channels and 300W to 2400W output
- Network monitoring and onboard DSP (Digital Signal Processing)



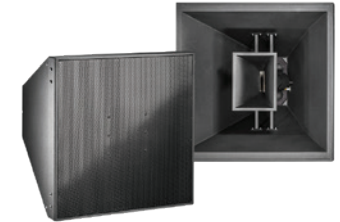
VLA-C SERIES
Weatherized Outdoor Line Arrays



- For installs requiring long-throw capabilities in a compact line array
- IP55-rated weather protection with durable fiberglass enclosure
- Modular design allows flexible horizontal pattern configurations



POINT SOURCE INSTALL SERIES
PD700i Large-Format Loudspeakers



- Dual 8-inch, 2-way, high output speaker with a 60° x 40° horn-loaded design
- Delivers high-impact sound at throw distances beyond single-driver capabilities
- Single module achieves sound pressure levels greater than 104 dB SPL (continuous)



ERA 700 PERFORMANCE IP
LED-Based Profile Fixtures



- IP65+ rated to withstand extreme environmental weather conditions
- Equipped with a comprehensive toolkit, CMYC color mixing system and full curtain framing
- Includes dual gobo wheels, dual prisms, dual frost, animation effects, and a wide range of gobos



EXTERIOR WASH PRO
Outdoor-Rated Architectural
Lighting Fixtures



- Engineered for harsh conditions, creativity, and versatility
- Provides a logical, user-friendly solution for illuminating architectural structures
- Factory color calibration ensures superior color consistency

PRODUCTS USED



- BLU-100 Processor
- BLU-DAN Link Bridge



- DCI 4|1250DA Amplifier
- DCI 4|1250N Amplifier
- I-Tech 4x3500HD Amplifier



- 308p MKII Monitor
- AWC129 Loudspeakers
- VLA-C2100 Loudspeakers
- VTX A8 Line Array Loudspeakers

Soundcraft

- Vi2000 Audio Mixer
- Vi Stagebox



MUNSU FOOTBALL STADIUM, SOUTH KOREA



OPPORTUNITY

The historic Ulsan Munsu Football Stadium required a comprehensive revamp of the stadium's 20-year-old audio system that accommodated its unique architecture and limited placement options.



SOLUTION

Built for the 2002 FIFA World Cup, Ulsan Munsu Football Stadium is a 43,544-seat venue with unique architecture inspired by the whale skeleton petroglyphs and the Silla Gold Crown. TechDataPS Co. Ltd. revamped the stadium's 20-year-old audio system using JBL Professional, Crown, BSS, and Soundcraft solutions to provide clear output and even coverage. JBL VTX A8 line array loudspeakers, Crown DCi amplifiers, and Soundcraft Vi2000 mixers ensure optimal sound throughout the venue. A spokesperson praised the new system for achieving the best sound quality among Korea's World Cup stadiums, solidifying Ulsan's status as a top venue.



INSTALLATION SPACES

- Stadium

“Given the stadium’s historical significance as the center of the 2002 World Cup, it is the pride of the Ulsan Facilities Corporation and will continue to thrive thanks to this installation.”



SEE THE FULL CASE STUDY



UBS ARENA, USA



OPPORTUNITY

To provide world-class audio experiences for fans and attendees of a wide range of events, Long Island's newly constructed UBS Arena required a state-of-the-art arena audio solution.



SOLUTION

Opened in 2021, UBS Arena in Long Island, New York, is a 19,000-seat venue hosting NHL games, concerts, and events. To provide world-class audio, Wrightson, Johnson, Haddon & Williams, Inc. designed and installed a cutting-edge system with over 950 JBL loudspeakers. The system includes eight main arrays of JBL VTX A12 speakers and S28 subwoofers, with additional PD, AWC, and VRX Series speakers for coverage throughout. Powered by Crown amplifiers and controlled by BSS Soundweb signal processing, the setup delivers clear, immersive sound for all events. Brian Jones, UBS Arena AV Systems Engineer In Charge, praised its clarity, saying, “It’s not just loud—it’s impactful!”



INSTALLATION SPACES

- Stadium

“The versatility of the JBL system met the requirements in terms of budget, SPL, performance and fitting into the grid.”



SEE THE FULL CASE STUDY

PRODUCTS USED



- BLU-120 I/O Expanders
- BLU-806 Signal Processors
- BLU-BIB Break-In Boxes
- BLU Card-In Mic/Line Cards
- BLU Card-Out Output Cards
- EC-8BV-Blk-US Ethernet Controllers



- DCIi 4|600N Amplifiers
- DCI 4|1250N Amplifiers
- DCI 8|600N Amplifiers
- I-Tech 4x3500HD Amplifiers



- 306p MKII Loudspeakers
- AM7212/64 Loudspeakers
- AWC82 Loudspeakers
- CBT1000 Loudspeakers
- Control126WT Loudspeakers
- Control 128WT Loudspeakers
- Control 16 C/T Loudspeakers
- Control 226C/T Loudspeakers
- Control 24CT Loudspeakers
- Control 25-1 Loudspeakers
- Control 26CT Loudspeakers
- Control 28-1 Loudspeakers
- Control 328C Loudspeakers
- Control 328CT Loudspeakers
- Control 47C/T Loudspeakers
- Control 47HC Loudspeakers
- Control 47LP Loudspeakers
- Control 65P/T Loudspeakers
- Control SB2210 Loudspeakers
- PD566 Loudspeakers
- PD595 Loudspeakers
- PD764i Loudspeakers
- PRX812W Loudspeakers
- PRX818XLFW Subwoofers
- VRX932LA-1 Loudspeakers
- VTX A12 Loudspeakers
- VTX S28 Subwoofers

PRODUCTS USED

- 

Drivecore Install Amplifiers
- 

- VLA-C2100 Loudspeakers
 - VLA-C125S Subwoofers
 - AWC82 All-Weather Loudspeakers
 - Control Contractor Series Speakers
 - LSR 305 Studio Monitor

- Soundcraft

- Vi2000 Digital Console



TOTTENHAM STADIUM, ENGLAND



OPPORTUNITY
Deliver an exceptional audio experience to complement the newly constructed 62,000 capacity stadium for the Premier League football club.



SOLUTION
The HARMAN Professional audio solution for Tottenham Hotspur Stadium includes 156 JBL VLA-C2100 loudspeakers, 54 JBL VLA-C125 subwoofers, 196 JBL AWC82 all-weather speakers, 140 Crown DriveCore Install amplifiers, and over 3,500 JBL Control Contractor speakers. Sound is mixed on a Soundcraft Vi2000 digital console and monitored with JBL LSR 305 reference monitors. Chris Smith, VP at HARMAN Professional Solutions, said, “We are honored to provide a cutting-edge audio solution that enhances the action on the field and delivers an incredible experience for Tottenham Hotspur’s fans.”



- INSTALLATION SPACES**
- Stadium

“**HARMAN Professional Solutions is an industry-leading provider of world-class audio solutions, and we are pleased to announce them as the official audio supplier for our new state-of-the-art stadium.**”



SEE THE FULL
CASE STUDY



NAKHON RATCHASIMA SPORTS COMPLEX, THAILAND



OPPORTUNITY
Nakhon Ratchasima Sports Complex required a new, high-output audio system capable of providing clear, intelligible sound with reduced reverberation during games and events.



SOLUTION
The Nakhon Ratchasima Sports Complex, home to Nakhonratchasima Mazda FC, is Thailand’s fourth-largest stadium, with a current capacity of 25,000, set to expand to 45,000. Known for hosting the 2007 SEA Games, the complex required a high-output audio system to deliver clear sound across its grandstand and uncovered seating. Mahajak Development installed JBL PD500 and Variable Line Array (VLA) loudspeakers, Crown DCi amplifiers, BSS processors, and a Soundcraft Si Impact console. The system ensures powerful, reliable sound, enhancing the fan experience and meeting the venue’s unique architectural challenges.



- INSTALLATION SPACES**
- Stadium

“**The new audio systems meet organizers’ crucial standards of reliability, durability and flexibility.**”



SEE THE FULL
CASE STUDY

PRODUCTS USED

- 

BLU-100 Signal Processor
- 

- DCi Series Amplifiers
 - CDi Series Amplifiers
- 

- Driverack Venu360 Loudspeaker Management System
- 

- VLA Compact Series Line Array Loudspeakers
 - PD500 Series Large-Format Loudspeakers
 - Control 29AV-I Loudspeakers

- Soundcraft

- Si Impact Digital Mixing Console

HARMAN'S CORPORATE INTEGRATED SOLUTIONS BENEFITS BREAKDOWN



360-DEGREE SOLUTIONS

We deliver remarkable experiences with captivating visuals, pristine audio, and adaptive lighting that leave a lasting impact.



SEAMLESS CONFIGURATION AND MANAGEMENT

Our dynamic interfaces make room scheduling and environment control as easy as clicking a button and bringing your enterprise to life.



HASSLE-FREE UPGRADE

Our enterprise-focused solutions empower you to scale your infrastructure to meet future needs to support your intuitive roadmap.



RESOURCEFULNESS IN ACTION

Our innovative collaboration technologies optimize your processes and streamline operations for peak productivity.

CORPORATE

Empowering Seamless Collaboration Across the Enterprise

Imagine a corporate environment where productivity thrives, collaboration flows, and every interaction leaves a lasting impression. At HARMAN, we're not just a global leader; we're your partner in creating exceptional experiences. Our game-changing installed audio, video, control, and lighting systems transform ordinary corporate spaces into extraordinary ones. Whether it's a Fortune 500 boardroom, a dynamic meeting space, a training center, or an awe-inspiring auditorium, our solutions elevate every moment.

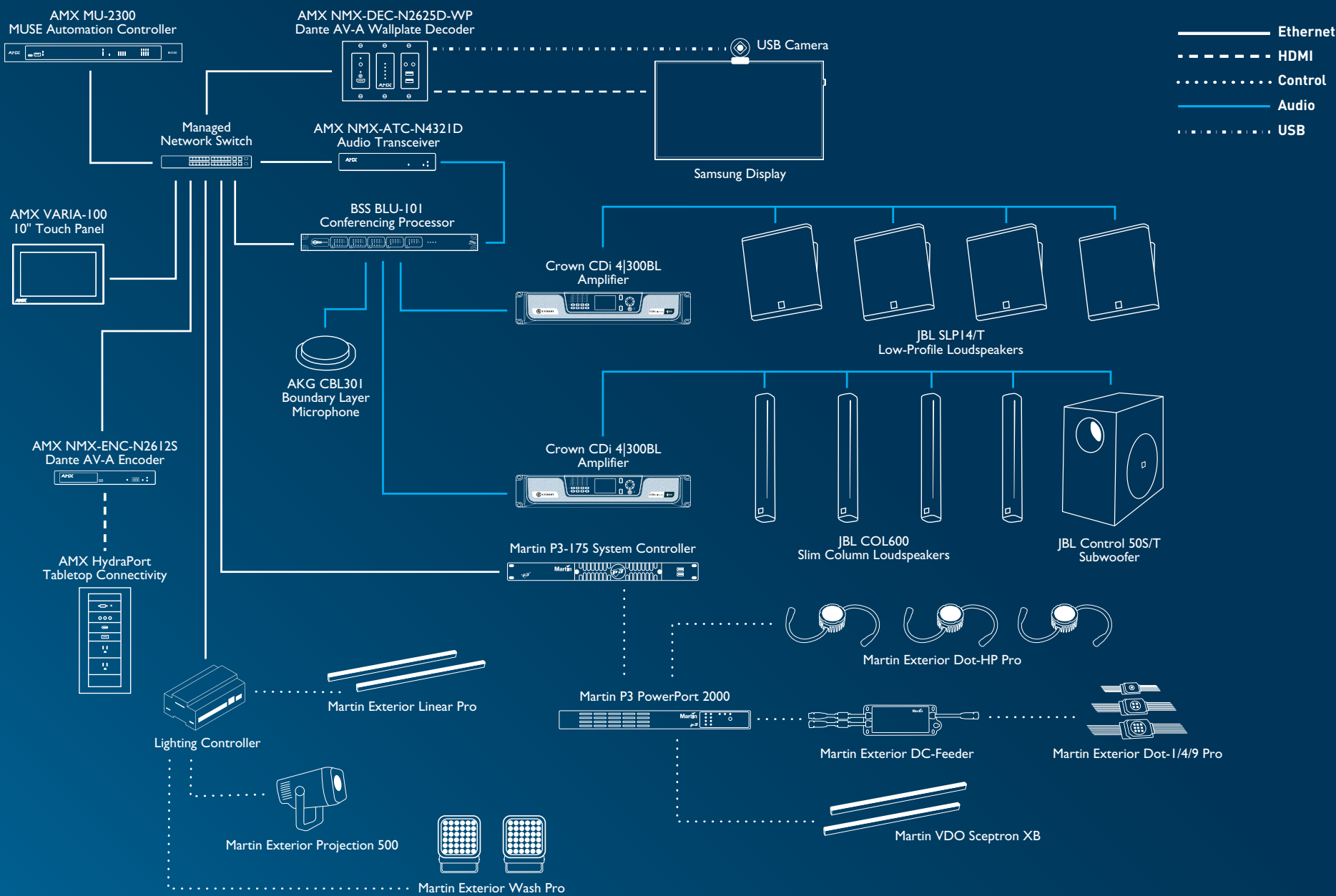
Our meticulously designed solutions ensure your company operates at its highest potential. Enhancing the experience for both employees and guests, trust us to deliver seamless presentations, immersive soundscapes, and cutting-edge visuals to set your stage for success.

Whether your enterprise embodies a dynamic start-up or a global powerhouse, our portfolio of best-in-class solutions scale easily to ensure your organization is supported with everything needed to deliver and elevate your vision.

At HARMAN, innovation isn't just a buzzword - it's our legacy. Our iconic brands, including AMX, BSS, JBL, Crown, and Martin have set the standard for quality, design, performance, and unwavering reliability. And should you ever need ongoing planning, design, or technical assistance, our industry-leading service and support is always by your side. You're not just getting a solution you're getting a strategic advantage and a long-term partner. Let's create spaces that inspire, connect, and propel your enterprise.



MEETING SPACES & FAÇADE APPLICATION DIAGRAM



*APPLICATION SUGGESTIONS ONLY

RECOMMENDED PRODUCTS

MUSE
Automation Controller Series

- Multiple scripting language support (Python, JavaScript & Groovy)
- Native no-code/low-code virtual flow-based development
- 10x faster processor than AMX NX Controllers

CBL SERIES
Boundary Microphones

- Choice of dual- or triple-element microphones
- Red, green & blue easily identifiable LED status indicators
- Multiple form factors and mic coverage patterns

BLU-101
Conferencing Processors

- Fixed configuration of 12 analog inputs and 8 analog outputs
- Configurable signal processing and AEC processing
- High bandwidth, fault tolerant digital audio bus

CDI SERIES
Amplifiers with BLU link

- Choice of 2- or 4-channels and 300W/600W/1200W output
- Network control/monitoring, high-level DSP & front-panel UI
- Send/receive content over HARMAN's BLU link digital interface

COL SERIES
Slim Column Series Speakers

- Includes COL600 24" tall and COL800 32" tall models
- Integrates optimal wide horizontal and narrow vertical coverage
- Built-in 10° down-tilt allows speaker to be installed flat to wall

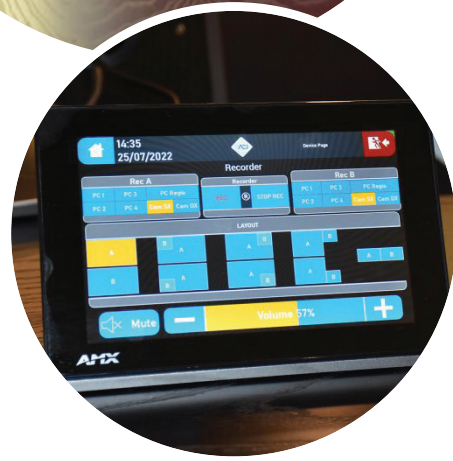
VDO SCEPTRON XB
Pixel-Batten Fixtures

- Delivers more than triple the lumen output of Martin VDO Sceptron 10
- Can be a lighting fixture or creative video element or both simultaneously
- RGBW LEDs provide a better spectrum (CRI, TM-30, TLCI)

PRODUCTS USED

AMX

- NetLinx NX-2200 Integrated Controller
- Modero G5 Series Touch Panels
- NMX-ENC-N2412A Encoders
- NMX-DEC-N2424A Decoders

ACI INFORMATICA,
ITALY

OPPORTUNITY

Rome-based software firm ACI Informatica wished to transform their auditorium into a modern event space powered by the latest AV technology.



SOLUTION

ACI Informatica, a branch of the Automobile Club of Italy, specializes in IT-based management for large-scale vehicle-related public projects. To modernize its auditorium, the company sought an advanced AV system while retaining usable legacy components. NADA 2008 and Intermark Sistemi installed AMX solutions, including the NX-2200 controller for seamless integration of analog and digital formats. AMX Modero G5 touch panels and N2400 Series encoders/decoders ensure high-quality AV-over-IP distribution. The space now features a 138-inch LED wall, PTZ cameras, and streaming capabilities, making it ideal for collaboration and future expansion.



INSTALLATION SPACES

- Auditorium

“The ACI Informatica auditorium is now an optimal venue for both in-person collaboration and remote communication, with ample potential for future system upgrades or network expansion.”

SEE THE FULL
CASE STUDYSPRING STUDIOS,
USA

OPPORTUNITY

Spring Studios NYC required high-output lighting that could compete with natural lighting and accommodate a myriad of events, productions and clients.



SOLUTION

Spring Studios, a 360 agency with locations in New York and London, provides communications services for fashion, lifestyle, and luxury brands. Their New York studio hosts high-profile events, requiring lighting that competes with natural sunlight. Seeking greater intensity and flexibility, they chose the Martin MAC Ultra Performance. With up to 46,500 lumens, advanced color mixing, and an innovative framing system, the fixtures deliver high output and precision. Designer Joe Hodge praised their efficiency, doubling brightness with half the lights. Spring Studios has since used them for major events like the WNBA Draft and CNN Citizen Conference.



INSTALLATION SPACES

- Event Venue

“We didn’t have to really mess with the shutter assembly and rotating; we were able to just place the shutter and not worry about it kicking out.”

SEE THE FULL
CASE STUDY

PRODUCTS USED

Martin

- MAC Ultra Performance Moving Head Profile

PRODUCTS USED

AMX

- Modero G5 Series Touch Panels
- NX-2200 NetLinx Integrated Controllers

JBL

PROFESSIONAL

- CBT 100 LA-1 Column Loudspeakers
- Control 14C/T Ceiling Loudspeakers
- Control 16C/T Ceiling Loudspeakers
- Control 18C/T Ceiling Loudspeakers

Soundcraft

- Si Expression Digital Audio Console



SARNSARA LEARNING CENTER, THAILAND



OPPORTUNITY

Muang Thai Life Assurance's Sarnsara Learning Center required advanced AV technology to create an ideal learning space and collaborative environment for its associates and clients.



SOLUTION

Founded in 1951, Muang Thai Life Assurance (MTLA) is a leading life insurance provider in Thailand with 250 branches. In 2020, MTLA built the Sarnsara Learning Center to enhance learning and collaboration. The facility includes a 1,000-seat auditorium, 73 guestrooms, and 16 training rooms of varying sizes. In 2021, it won the Inavate APAC Education Project Award for its innovative AV technology. Mahajak Development equipped the center with HARMAN networked audio systems, including JBL speakers, Soundcraft mixers, and AMX controllers. The AV setup, including JBL loudspeakers and AMX control panels, ensures versatile and user-friendly functionality.



INSTALLATION SPACES

- Auditoriums and Conference Rooms

“Because Muang Thai Life is imbued with the core value of ‘caring,’ we have made this our priority as well—to deliver our best and achieve the highest level of customer satisfaction.”



SEE THE FULL CASE STUDY



SAMSUNG KX, ENGLAND



OPPORTUNITY

To provide an engaging brand experience, Samsung KX required a facility-wide immersive AV, lighting and control system with enough flexibility to serve any current or future needs.



SOLUTION

Located in London's Coal Drops Yard, Samsung KX is a public destination showcasing Samsung's connected technologies. The 20,000 sq. ft. space features a 32-foot LED display, smart kitchen, augmented reality experiences, and temporary installations. Samsung KX required a flexible AV, lighting, and control system to meet future needs. Snelling Business Systems and Cosmic Electronics installed JBL, Crown, BSS, Martin, and AMX solutions, including the AMX NX-1200 controller for seamless control of audio, video, and lighting. Martin lighting fixtures and JBL speakers ensure high-quality sound and visuals for events, presentations, and interactive experiences.



INSTALLATION SPACES

- Interactive Experiences

“We wanted to create an incredible space to bring the latest innovations to life and showcase our products working seamlessly together. The beauty of it is that it's incredibly adaptable.”



SEE THE FULL CASE STUDY

PRODUCTS USED

AMX

- Modero MD-1002 Touch Panel
- NetLinx NX-1200 Integrated Controller

BSS

PROFESSIONAL

- Soundweb London Signal Processors

Crown

- Crown Amplifiers

JBL

PROFESSIONAL

- 708p Powered Reference Monitors
- ACL15 Subwoofers
- ACL16 Compact Loudspeakers
- CBT1000 Line Array Column Loudspeakers
- JBL Synthesis S3900 Speakers
- VTX F18S Subwoofers

Martin

- MAC Aura XB Fixtures
- MAC Encore Performance Fixtures
- P3 System Controller
- VDO Patron 20 LED Video Blades



ONE HARMAN ONE SOLUTION

Unleash Your Vision with HARMAN

HARMAN Professional Solutions offers a world-class ecosystem of audio, video, control, and lighting solutions designed to elevate your projects and installations. With a rich history and a commitment to innovation, we deliver comprehensive solutions, tailored to your specific needs. From concert halls to boardrooms, our products are built to perform at the highest levels, ensuring a second-to-none user experience.

Unleash the Power of Synergy

Our portfolio of iconic brands, including JBL, Martin, AKG, AMX, and BSS, come together to create immersive, interactive, and integrated solutions. This powerful combination delivers unparalleled audio, video, control, and lighting experiences. By seamlessly integrating our solutions, you can design environments that captivate audiences, enhance productivity, and drive business growth. We're not just providing products; we're delivering the foundation for extraordinary experiences.

Experience HARMAN Excellence

At HARMAN, we're dedicated to exceeding your expectations. Our cutting-edge technology, combined with unparalleled performance, reliability, and support, empowers you to create extraordinary experiences. With a focus on innovation and customer satisfaction, we're your trusted partner in bringing visions to life.

EXPERIENCE HARMAN PROFESSIONAL SOLUTIONS

Step into the Future with HARMAN Professional Solutions

HARMAN Professional Solutions elevates your experience with a global network of Experience Centers. These state-of-the-art facilities showcase our next-generation technologies and integrated solutions within immersive environments. At the heart of these Experience Centers lies a commitment to fostering collaboration, integration, and innovation.

Explore the Possibilities

When visiting any of our Experience Centers, we invite you to interact with HARMAN experts and explore our comprehensive range of audio, video, control, and lighting solutions. You'll have the opportunity to experience firsthand how HARMAN's integrated ecosystem transforms projects across corporate spaces, hospitality venues, houses of worship, and live entertainment environments.

Experience Real-World Scenarios

HARMAN Experience Centers don't just tell; they show. Through meticulously designed environments, experience seamless integration of HARMAN's solutions, delivering unparalleled audio, visual, control, and lighting experiences. Whether it's a simulated concert hall or an interactive executive boardroom, our immersive solutions showcase the immense possibilities unlocked by HARMAN technologies.

Innovation Hubs

Beyond showcases, Experience Centers are unifying hubs for collaboration. Our experts work with customers and partners to explore new ideas and develop tailored solutions. This collaborative approach ensures HARMAN offerings remain at the forefront of innovation, continuously evolving to meet and exceed your needs and requirements.

Explore our World

We warmly welcome you to explore our global network of world-class Experience Centers. Schedule a visit, and discover for yourself how HARMAN Professional Solutions can elevate your projects and installations: pro.harman.com/lp/harman-experience-centers.



LOCATIONS

- Los Angeles, USA
- London, UK
- Shanghai, P.R.C.
- Singapore, Asia
- Bangalore, India





INSTALL SOLUTIONS 2025

Contact us:

