



STADIUMS

INSTALL SOLUTIONS 2025

V 5.2.25

Trusted Brands. Connected Solutions.

AKG

AMX



dbx

FLUX::



lexicon

Martin

Soundcraft



AKG

AMX

BSS

CROWN

dbx

FLUX::

JBL
PROFESSIONAL

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.

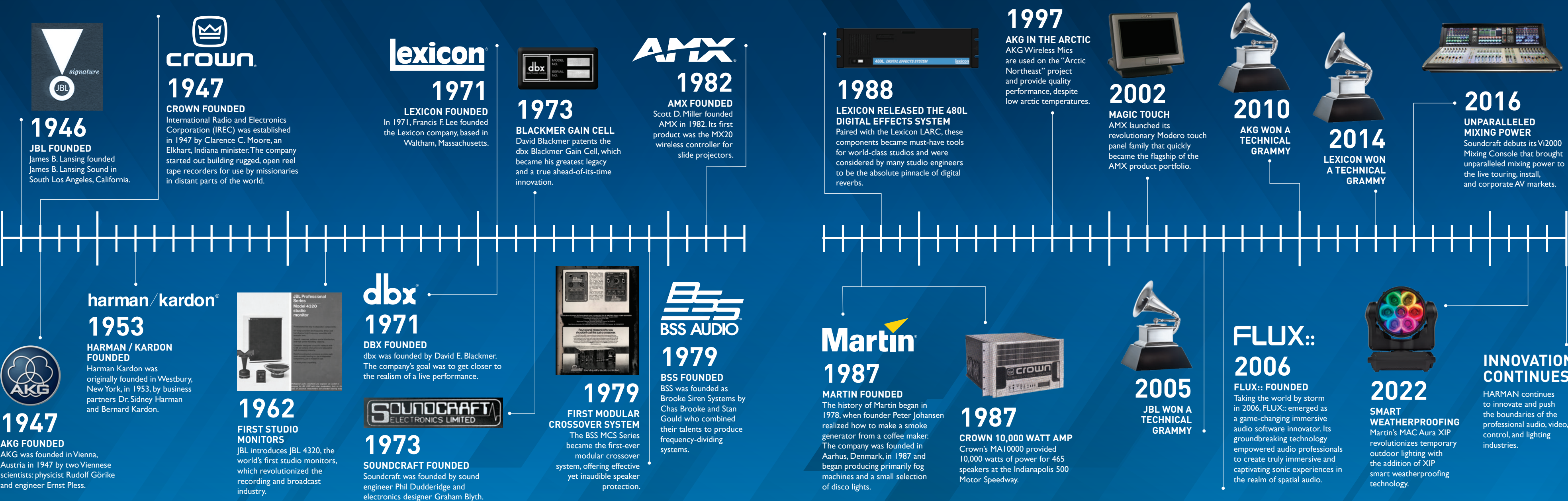
HARMAN FACTS

- 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

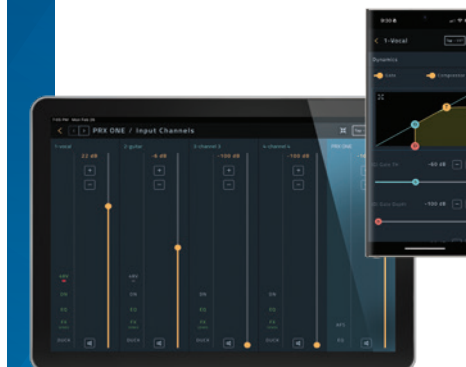
JBL PRO CONNECT V2

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 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 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

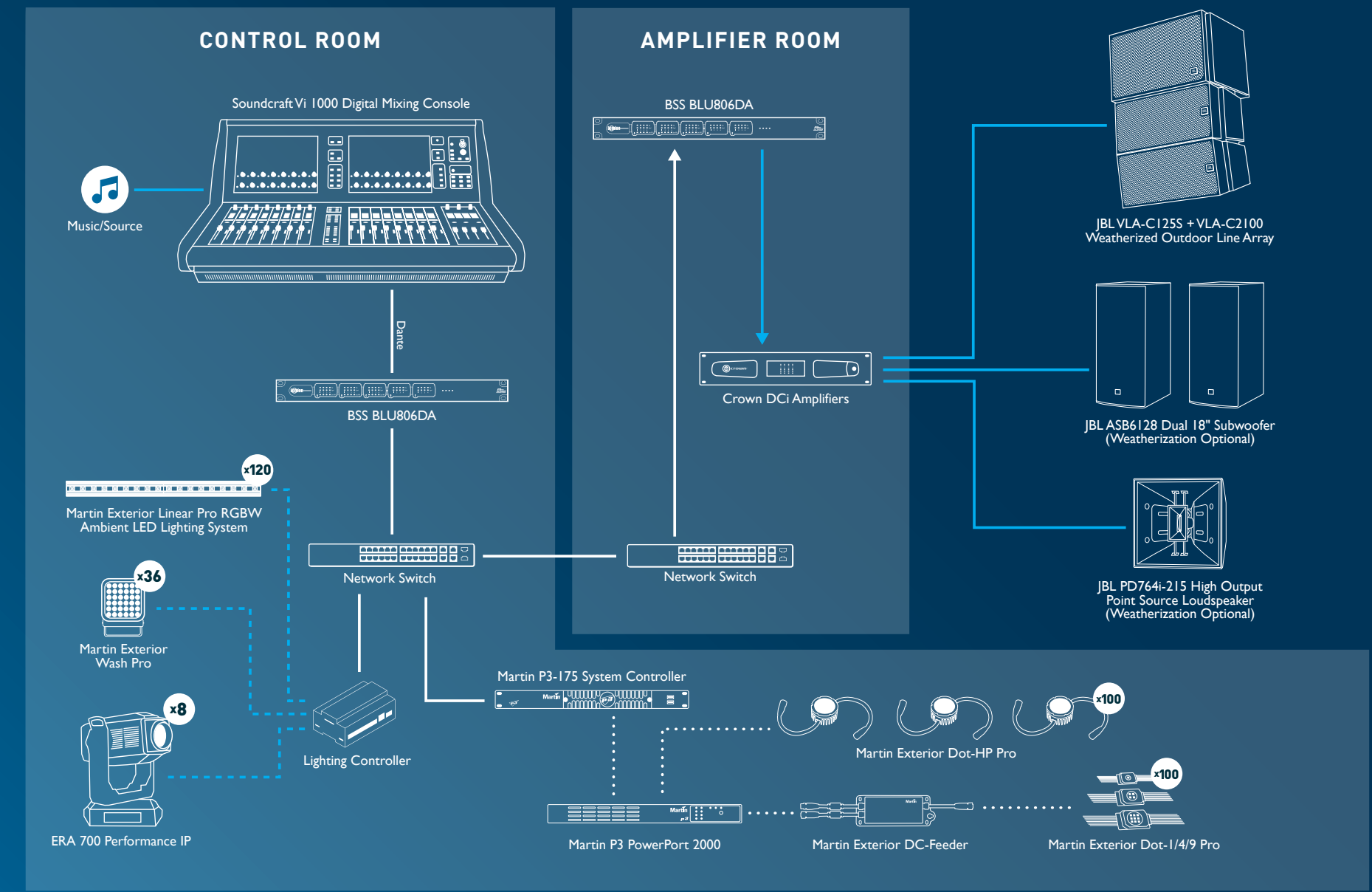


TWICKENHAM STADIUM, ENGLAND



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)



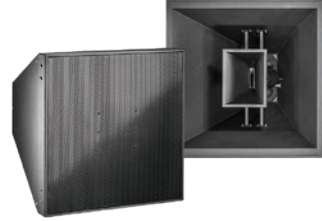
VLA-C SERIES
Weatherized Outdoor Line Arrays



- 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

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:

