

PARTNER STORY



EDUCATION



OPPORTUNITY

Bangkok Prep needed an audio system that would make it easier for students to hear - no matter where they're sitting and a user-friendly interface so staff/students can easily control the system.



SOLUTION

Bangkok Prep went with AMX control, Crown amplifiers, dbx processors, JBL loudspeakers, and Martin lighting control to ensure there a robust system.

“

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BANGKOK INTERNATIONAL PREPARATORY/SECONDARY SCHOOL, THAILAND

Bangkok International Preparatory and Secondary School (Bangkok Prep) is one of the top international schools in Thailand. In order to enable staff and students to easily utilize audiovisual devices in the classroom, Bangkok Prep hired Mahajak Development Co. Ltd. to implement a cutting-edge HARMAN Professional AV system featuring JBL loudspeakers, Crown amplifiers, AMX and dbx signal processors and Martin lighting software.

“A simple but dynamic audio solution was required to make a powerful impact on students' learning,” said Pongsakorn Kanchanachayphoom, Director of Project, Mahajak Development Co. Ltd. “Bangkok Prep asked us to install an audio system that would make it easier for students to hear—no matter where they're sitting. They also requested a user-friendly touch-panel interface so staff and students can control the system with minimal technical assistance. We decided to go with HARMAN Professional products because of their unrivaled flexibility, superior sound quality and intuitive controls.”

Mahajak installed JBL SRX715 two-way loudspeakers and an SRX718S satellite subwoofer system to provide comprehensive coverage and extended low-frequency output during live performances. JBL JRX112M two-way stage monitors deliver crystal-clear audio, making it easy for artists to hear themselves during performances. JBL Control 2P C2PS and CONTROL 24CT in-ceiling speakers are used to achieve high-quality sound in enclosed spaces like classrooms and auditoriums. The system is powered using Crown XTi -4000, CDi1000 and XLS402D amplifiers.

An AMX NX-2200 NetLinX NX Integrated Controller and PSR4.4 power supply are used to connect AV devices throughout the facility, while TPC-IPAD software allows users to control the entire system via Apple® mobile devices. A dbx DriveRack 260 loudspeaker management system, AFS224 Advanced Feedback Suppression processor and 231V graphic equalizer are used to ensure that the system sounds its very best. Martin LightJockey 2 lighting control software and M-DMX interface offer control of up to 100 DMX fixtures for creating dynamic, immersive lighting during events.



AKG

AMX

ESS



dbx

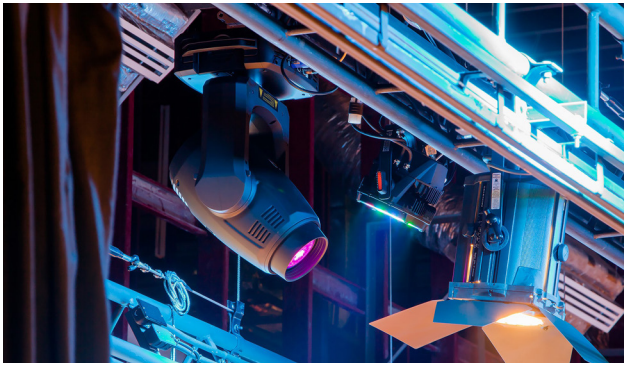


lexicon

Martin

Soundcraft

STUDER



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“Our aim was to install a contemporary AV system flexible enough to accommodate the evolving styles of learning, said Mrs. Patrada Yomnak, License Holder, Director and Manager, Bangkok International Preparatory and Secondary School. “We hired Mahajak to design a reliable, future-proof AV system that makes it easy for staff and students to control AV equipment in any room with their personal devices. Fortunately, HARMAN's diverse portfolio of products are highly intelligible, simple to learn and manageable to support, which fulfilled every criterion of our request.”

“We are thrilled to provide Bangkok International Preparatory and Secondary School with world-class audio, video and control solutions,” said Ramesh Jayaraman, VP & GM, HARMAN Professional Solutions, APAC. “We thank Mahajak Development Co. Ltd., our long-term country partner in Thailand, for providing a dynamic AV solution that fosters student success through innovative teaching approaches.”

PRODUCTS USED

AMX NX-2200 NETLINX NX INTEGRATED CONTROLLER

AMX PSR 4.4 POWER SUPPLY

AMX TPCONTROL TPC-IPAD SOFTWARE

CROWN XTI 4000 POWER AMPLIFIER

CROWN CDI1000 POWER AMPLIFIER

CROWN XLS 402D POWER AMPLIFIERS

DBX DRIVERACK 260 LOUDSPEAKER MANAGEMENT SYSTEM

DBX AFS224 ADVANCED FEEDBACK SUPPRESSION PROCESSOR

JBL SRX715 HIGH POWER LOUDSPEAKERS

JBL SRX718S SATELLITE SUBWOOFER SYSTEM

JBL JRX112M STAGE MONITOR LOUDSPEAKER SYSTEM

JBL CONTROL 2P C2PS POWERED MONITOR SYSTEM

JBL CONTROL 24CT IN-CEILING LOUDSPEAKERS

MARTIN LIGHTJOCKEY 2 LIGHTING CONTROL SOFTWARE

MARTIN M-DMX INTERFACE





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ABOUT HARMAN

HARMAN (harman.com) designs and engineers connected products and solutions for automakers, consumers, and enterprises worldwide, including connected car systems, audio and visual products, enterprise automation solutions; and services supporting the Internet of Things. With leading brands including AKG®, Harman Kardon®, Infinity®, JBL®, Lexicon®, Mark Levinson® and Revel®, HARMAN is admired by audiophiles, musicians and the entertainment venues where they perform around the world. More than 50 million automobiles on the road today are equipped with HARMAN audio and connected car systems. Our software services power billions of mobile devices and systems that are connected, integrated and secure across all platforms, from work and home to car and mobile. HARMAN has a workforce of approximately 30,000 people across the Americas, Europe, and Asia. In March 2017, HARMAN became a wholly-owned subsidiary of Samsung Electronics Co., Ltd.



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