

CASE STUDIES

PEEL HIGH SCHOOL AV SYSTEM UPGRADE

**INITIAL PROJECT REQUIREMENT**

Peel High School sought to upgrade the audio-visual systems in two key venues: the performance theatre and the multipurpose centre. The primary goals were to enhance audio control capabilities and maintain a user-friendly interface suitable for both staff and students. The project also aimed to improve visibility with updated projectors and larger screens in both venues.

PROJECT OBJECTIVES

- * **Advanced Audio Control & Mixing:** Provide Music and Drama staff in the theatre with high-level audio control, sound mixing, and DMX lighting integration, ensuring precise management of performances.
- * **User-Friendly Interface:** Create a simplified setup with easy-to-use presets, allowing general staff to operate the system without advanced technical knowledge.
- * **Student-Focused Enhancements:** Equip students with high-quality microphones and lapel systems for use in both performance and classroom settings.
- * **Improved Visuals:** Install high-lumen projectors and enlarge projector screens to enhance visibility in both the theatre and multipurpose centre.
- * **DMX Lighting Integration:** Integrate a DMX lighting console for advanced lighting control, providing additional functionality for performances.



CASE STUDIES

PEEL HIGH SCHOOL AV SYSTEM UPGRADE

PRODUCT SELECTION RATIONALE

- * Xilica Ecosystem: Chosen for its flexibility, the Xilica system allowed easy programming modifications, ensuring long-term adaptability. The IPAD-based control system offered convenience and ease of use for staff and students, streamlining sound management.
- * JTS Microphones: These were selected for their combination of quality and simplicity, making them accessible to both students and staff while delivering professional-grade audio performance.
- * Allen & Heath SQ5 Mixer (via Dante Integration): This mixer was integrated for advanced input and output capabilities, offering enhanced sound control and user presets tailored to the school's needs.

KEY CHALLENGES & SOLUTIONS

One notable challenge was integrating the Allen & Heath SQ5 mixer via Dante for seamless input and output management. This setup enabled advanced sound control, creating user presets that allowed students to simulate real-life gig situations. The system provided an invaluable tool for students preparing for their HSC performances, giving them hands-on experience with professional-grade equipment and preparing them for future career opportunities in audio-visual fields.



CONCLUSION

The Peel High School AV system upgrade successfully met the school's requirements, balancing advanced control capabilities with user-friendly interfaces. The project delivered a comprehensive solution that improved both the auditory and visual experiences in the performance theatre and multipurpose centre, while offering students professional-grade tools to enhance their learning experience.

Installation completed by:
Heath Greenland
Project Manager
T.D Kerr Electrical
E: heath@tdkelectrical.com
Amber Technology
www.ambertech.com.au

