AVIOM®

Case Study

Pro16 Digital Snakes at Scarborough Chinese Baptist Church

FOH at Scarborough Chinese Baptist Church

TESTIMONIAL

"Apart from their well-documented monitoring virtues, Aviom products are essentially digital building blocks from which we can design and implement a cost-effective digital snake that integrates seamlessly with any digital Yamaha console via an A-Net card, and allows for multiple mix locations using a system bridge."

Christian Bechard
Senior Designer, Novita Techne Limited

APPLICATION

Digital Snake and Monitor Mixing

MARKET SEGMENT

HOW

LOCATION

Toronto, Ontario

PRODUCT LINES

Pro16®

PRODUCTS

3 AN-16/i-M Mic Input Modules
4 AN-16/o Output Modules
2 AN-16SBR System Bridges
1 Aviom16/o-Y1 A-Net Card
1 A-16II Personal Mixer

FEATURES AND BENEFITS

Cost-effective solution for digital transport

Flexibility of integrating Aviom Personal Mixers and a Yamaha digital console

Ease of reconfiguring the system and accommodating multiple mix locations

Fidelity of the system

INSTALLATION DETAILS

When Scarborough Chinese Baptist Church (SCBC) Technical Director James Chan selected Novita Techne Limited as an A/V equipment consultant, Novita's Christian Bechard recommended a Pro16® Aviom digital snake for the church's new sanctuary.

Bechard chose Aviom and Pro16 because its flexible architecture allowed him to design a complex system for a reasonable cost that could easily be integrated with the church's Yamaha® console. Bechard says, "The client required ease of use, which the Aviom system provides with familiar patchbay style I/O interfaces. I also needed to accommodate the future expansion of the monitoring system, which can easily be accomplished by adding more Personal Mixers." For Chan, a digital snake would simplify installation, protect against EMI, allow for easy expandability, and save money.

SCBC's facility also has a chapel and a gym that needed to be integrated, and the system design supports five different mix locations. The modular components of the Aviom digital snake allow it to meet the demands of different events and services at the church.

In the main sanctuary at SCBC, two AN-16/i-M Mic Input Modules on stage send 32 channels to the Yamaha LS9-32 through two AN-16/o Output Modules that are located at front of house. Also at front of house, an Aviom16/o-Y1 A-Net Card installed in the console sends 16 returns to stage. At both stage and front of house, an AN-16SBR System Bridge combines three A-Net streams, putting the 32x16 snake on a single Cat-6 cable.

An AN-16/o on stage provides left and right mix outputs for DSP backstage and 14 mix channels for the powered speakers on stage. In addition, the drummer uses an A-16II Personal Mixer for monitor mixing. The A-16II is connected to the A-Net Out on the output module on stage and receives the content sent from the LS9-32.

Project Manager David VanVeldhuisen from Westbury National Show Systems worked with Novita and SCBC to install the Aviom gear. For him the ease of terminating the Cat-6 cable simplified the installation. Chan adds that the use of Cat-6 makes the system more versatile. "All we needed was one Cat-6 cable," he says, "and I've got all the expandability I need for the foreseeable future. Not to mention the cost savings of not needing the extra copper cables."

System diagram on reverse

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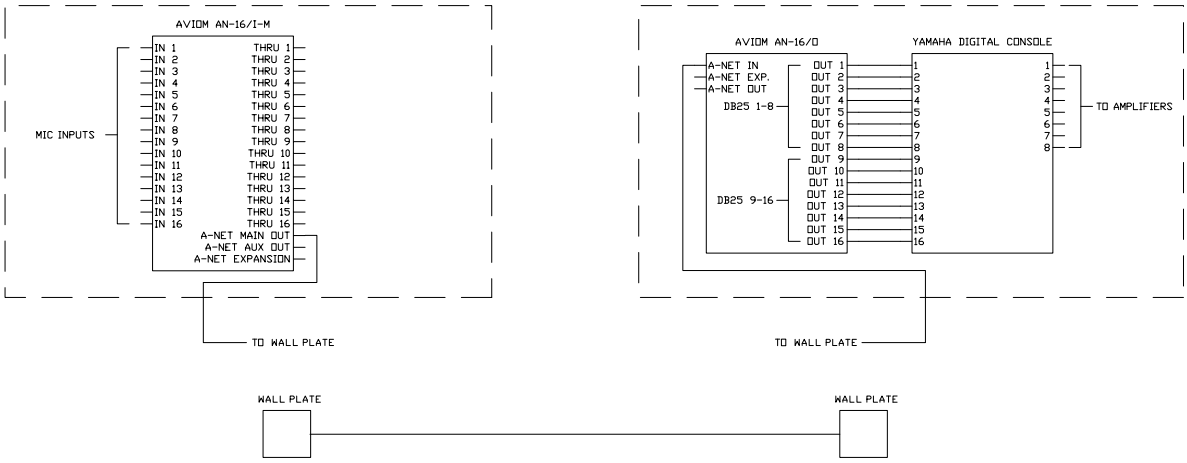
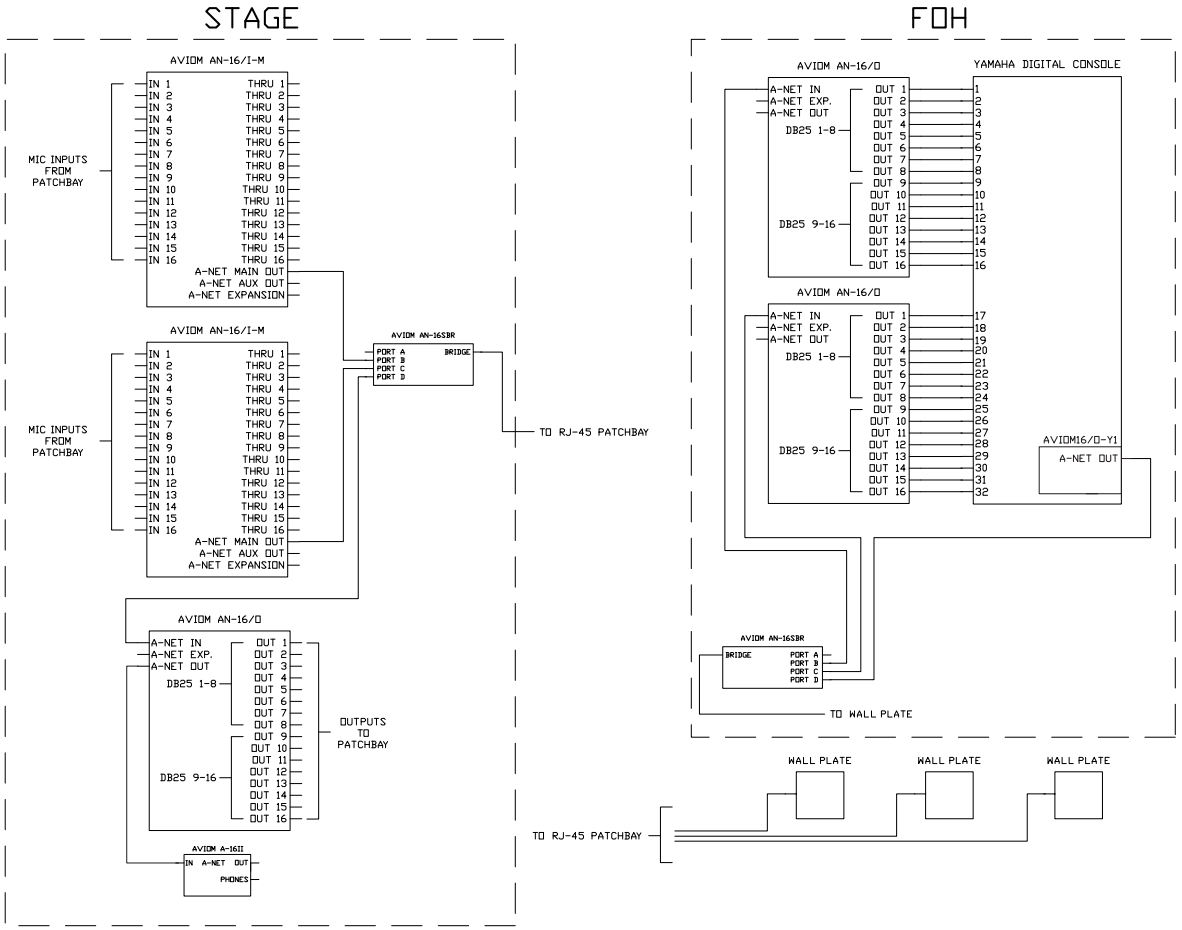
CHAPEL SYSTEM



MAIN SANCTUARY



The flexibility and the modularity of the Aviom system allow SCBC to use components from the chapel system and the system in the main sanctuary to create a hybrid system for the gym. There are a total of five locations where the console can be located in the facility, and with the Pro16® system, the church has the flexibility it needs for designing and operating its system for various needs.

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