

48x16 Pro64 Digital Snake with Splits for Large Corporate Events



Showorks Pro64 gear on stage for an event

APPLICATION

Digital Snake and Monitor Mixing

MARKET SEGMENT

Sound Company

PRODUCTS

- 3 6416m Mic Input Modules
- 9 6416Y2 A-Net Interface Cards
- 1 RCI Remote Control Interface
- 1 MCS Mic Control Surface
- 1 6416o v.2 Output Module
- 1 MH10f Merger Hub
- 1 AN-16/i Input Module
- 10 A-16II Personal Mixers

LOCATION

Wilmington, Delaware

PRODUCT LINES

Pro64®

TESTIMONIAL

“With the Aviom system, our snakes are getting smaller and lighter and our noise floor is getting lower. There are no ground loops, buzzes, or hum.”

Mark Allen

Project Manager, Showorks Audio Visual, Inc.

FEATURES AND BENEFITS

- Simplicity of setting up for large events
- Fidelity of audio and low noise floor
- Ease of creating multiple splits
- Flexibility to design the system for specific events

INSTALLATION DETAILS

Showorks Audio Visual, Inc., is a corporate audio visual staging company based in Wilmington, Delaware. For most events, they use a Pro64® Aviom digital snake. While Showorks uses their Aviom components to set up various systems, depending on the needs of a particular event, they usually start with a 48x16 stage to front of house snake.

For a Toys-R-Us national sales meeting at the Boston Convention Center, Showorks Project Manager Mark Allen designed a 48x16 digital snake between the stage and the front of house Yamaha® M7CL with a split to a second M7CL monitoring console. Three 6416m Mic Input Modules on stage sent 48 channels to front of house where three 6416Y2 A-Net® Interface Cards were installed in the console. Sixteen channels were returned to a 6416o v.2 Output Module on stage. Also on stage or nearby, the monitoring console had three 6416Y2 cards to receive all 48 channels. An MH10f Merger Hub at the monitoring console was used as a parallel connection and to distribute A-Net to multiple places. This eliminated the need to daisy chain all the devices in the system, but the devices at each individual location were daisy chained to one another.

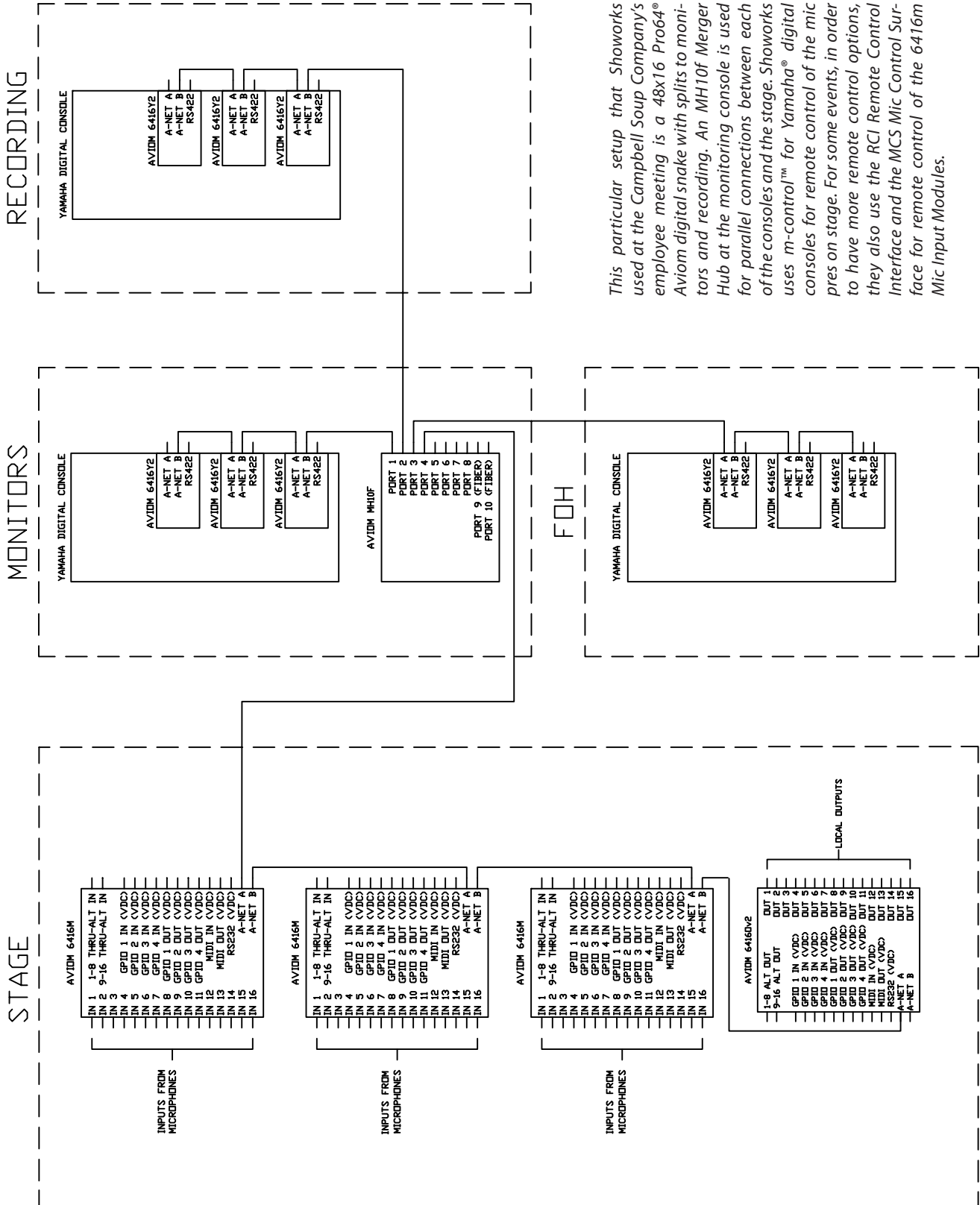
For this particular event, Showorks also used an Aviom Pro16® monitor mixing system for performer Peter Wolf and his band. An AN-16/i Input Module was connected to the monitoring console and 16 channels were distributed to the mic pres on stage.

Additional splits are added for some events. The Campbell Soup Company hosted an employee meeting at the Tweeter Center in Camden, NJ, for which Showorks used a 48x16 Pro64 Aviom digital snake with splits to both monitoring and recording consoles. In this setup (pictured on back), the recording console is connected to the system with a single Cat-5 cable that runs to the MH10f with parallel connections to the mic pres on stage, the front of house position, and the monitoring position.

Allen notes that the Showorks team uses the front-panel level indicators on the Pro64 mic pres to save time and simplify setup. He says, “Aviom lets us work smarter. We can be more efficient when packing our trucks and during setup. The low noise floor of the Aviom system and the ease of running the snake 350ft in a convention hall are also advantages.”

System diagram on reverse

Case Study



This particular setup that Showworks used at the Campbell Soup Company's employee meeting is a 48x16 Pro64® Aviom digital snake with splits to monitors and recording. An MH10F Merger Hub at the monitoring console is used for parallel connections between each of the consoles and the stage. Showworks uses m-control™ for Yamaha® digital consoles for remote control of the mic pres on stage. For some events, in order to have more remote control options, they also use the RCI Remote Control Interface and the MCS Mic Control Surface for remote control of the 6416m Mic Input Modules.