

Pro64 Audio Network on the Road with NEP Broadcasting



Aviom 6416m, 6416o v.2, and MH10f in a remote rack

APPLICATION

Audio Network

MARKET SEGMENT

Broadcast

LOCATION

On location around the United States

PRODUCT LINES

Pro64®

PRODUCTS

6416m Mic Input Modules

6416i Input Modules

6416o v.2 Output Modules

MH10f Merger Hubs

RCI Remote Control Interfaces

MCS Mic Control Surfaces

TESTIMONIAL

“The Aviom Pro64 network has proven to be a high-quality system that has been extremely well-received by our clients and audio engineers.”

Joseph Signorino

Senior Project Engineer, NEP Supershooters LP

INSTALLATION DETAILS

When NEP Broadcasting needed to replace its existing audio-over-fiber gear, it turned to Aviom’s Pro64® audio network for a robust solution that could withstand the harsh environments that the company encounters during outdoor applications. The Pro64 system was chosen in part because it is easily scalable for large broadcast events; NEP uses it for events ranging from nationally broadcast professional football games to auto racing and professional golf tour events where extreme temperatures, elevated humidity, and rough handling are common.

Senior project engineer and mobile unit engineering manager for NEP, Joseph Signorino, explains, “For us, it was important to find a network that had built-in fiber interfaces, high-quality mic preamps, good signal to noise/overall audio quality, ample headroom, and scalability.” NEP’s Pro64 system consists of multiple racks with Aviom’s remote-controllable 6416m Mic Input modules that are set around the field or track for a given event. Each of these racks also contains an MH10f Merger Hub, which connects each remote location to the production truck or trucks via fiber, allowing for long cable runs that are often necessary. In some cases, a 6416o v.2 Output Module is also included in the remote racks for audio out to talent ear pieces and the crew’s IFB headsets.

FEATURES AND BENEFITS

Reliability of the system even in harsh conditions

Convenience of built-in fiber interfaces

High-quality mic preamps

Scalability of the system for large events

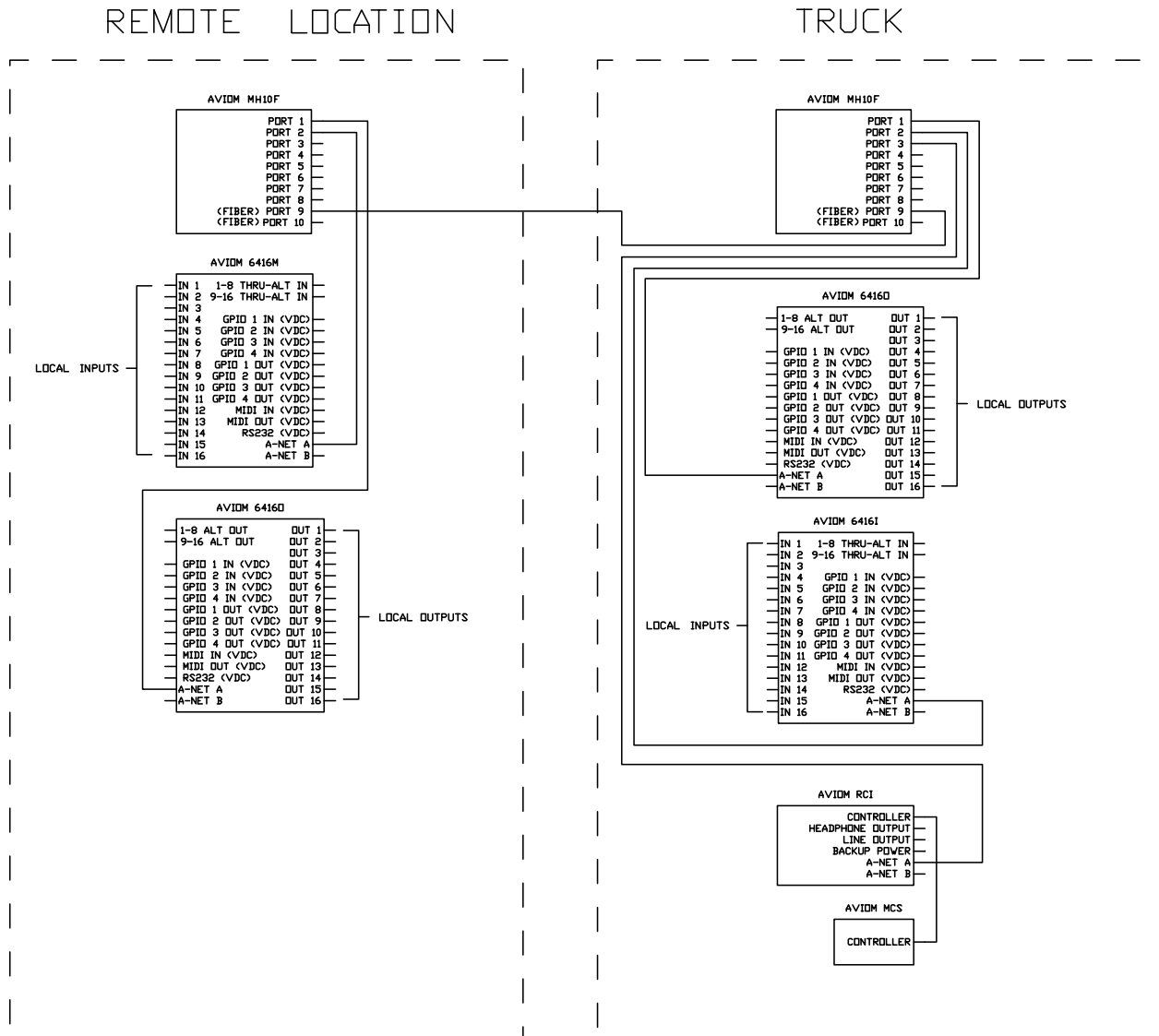
In the production trucks, NEP has MH10f Merger Hubs and 6416o v.2s for audio out to the console. In addition, they use RCI Remote Control Interfaces and MCS Mic Control Surfaces to remotely control the Aviom mic pres that are in the remote racks.

NEP commonly operates several smaller, simpler Pro64 systems for smaller productions, such as a pregame show or golf tournament, as well as larger, more elaborate systems to capture broadcast audio across of field or racetrack. The Aviom system enables the crew to be able to run multiple control points to allow production-audio and effects-audio mixers to have control over their particular networks since audio is acquired and picked off from multiple points on the system.

According to Signorino, “The fact that the system is easily scalable has allowed us to combine every piece of Aviom gear we own on a few large events, which worked out very well. It has been very reliable and the audio quality has pleased all users.”

System diagram on reverse

Case Study



This components shown here in the remote rack and in the production truck are the building blocks of a typical NEP solution. The number of remote racks and production trucks varies depending on the requirements of the event.