ADDER Case Study

IPE Audio Systems - Challenge... Solution... Result

In recent years the radio broadcast studio has become an increasingly complex IT environment. Developments in technology have resulted in computer automated studios which require robust, mission-critical systems.

CHALLENGE

There are three inherent problems with filling an on-air studio with computing equipment - noise, heat and space. Together with Adder, IPE (Independent Project Engineering) have solved these problems for their clients, including a national broadcasting institution.

SOLUTION

AdderLink XSeries Extenders enable engineers and presenters to control and access their systems without compromise from their existing keyboards, monitors and mice. The computers themselves are located remotely in an environmentally controlled apparatus room.

Mike Birch, Senior Project Engineer, IPE comments;

"In a typical station we would use approximately 20 pairs of AdderLink XSeries Extenders together with Adder multi channel KVM switches, which enables us to simplify and control multiple studio environments as required. At any one time there is the need to support mixed operating systems and simultaneous users working in a challenging environment with the key requirement of it remaining noise-free."

The XSeries works by extending keyboard, video and mouse signals over UTP cable at a distance of up to 200m. In the case of a national broadcasting institution, all functions associated with music playout, network services and studio management are controlled and monitored via the X-KVM and X-Dual Video modules.

A typical on-air studio consists of multiple LCD monitors displaying an active playlist, news and sport information, technical studio configuration for the presenter's digital mixing desk and networked audio server information. These are controlled from a single keyboard and mouse as a further space saving measure.

IPE Audio Systems
Equipment rack for a typical broadcast solution.

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RESULT

"In this kind of high-pressure environment you just can't afford for anything to go wrong. Once the AdderLink XSeries modules are configured and rackmounted we know that we can forget about them because they just work, giving us an extremely reliable engineering solution which fixes the inherent problems of the studio but adds no further complexity to the user," said Mike Birch.

Darryl Flinders, Adder's Sales and Marketing Director adds;

"We have provided a compact yet scalable solution for broadcasters' complex and demanding studio environments. The modular nature of the XSeries enables project engineers to precisely match their varied client's requirements."

IPE Audio Systems
A typical broadcast studio being set up.

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► Chrysalis Radio ► GWR ► Independent Project Engineering ► Oxford Sound

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