

**MuxLab**

# VideoEase™

## Success Stories

### VideoEase Simplifies Lab Cabling

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Versatility and mobility are key factors in the presentation market, whereby the presenter must set up and take down presentation equipment rapidly. The installation of audio-visual projection equipment can be a cabling nightmare. Projection equipment must be up and running well before the speaker's presentation and taken down promptly to allow the hall to be used for the next occupant. A typical podium presentation system is comprised of:

- a speaker's podium
- one or more audio-visual projectors
- audio video sources (VCR, DVD, camera, microphone, PC, video servers)
- video switchers, scan converters and video scalers if required
- all necessary audio-video cabling and connectors

The problem with the way presentation systems are traditionally cabled is that the cabling becomes too bulky and cumbersome. Also, the number of technologies used for presentations has grown and the projection system must be able to support sources from multiple audio-video formats such as composite video, S-Video, VGA, RGBHV to name a few. Each format has its own type of connector and cable, which gives rise to a tangle of multiple coaxial cables being

routed between equipment.

FM Electronics (Cle Elum, Washington) recently installed a podium audio-video system in a technology lab for the Educational Service District 113 in Olympia, Washington. This lab is used for providing training on software and hardware where the audio-video source is continuously changing and where the projector is mounted above the instructor. The lab needed an audio video system that was flexible and would allow a choice of composite audio-video and high-resolution VGA video to be displayed. In order to achieve this, all Category 5 cabling was passed through the walls and over the ceiling plenum to the projector. This projector, which supports audio, was needed for both analog audio-video and PC-VGA programming. It is also equipped to receive multiple audio-video formats such as S-Video & Audio, Composite Video & Audio and VGA Video.

MuxLab's VideoEase VGA Balun and Dual Audio-Video Balun were used to allow the audio-visual equipment to interface with cost-effective and space-efficient Category 5 twisted pair cable. The VGA Balun (500010/500011) was used for VGA video and the Dual Audio-Video Balun (500003) was used for



composite and S-Video transmission.

Mr. Fred Marion has worked with Educational School District for over 14 years as a consultant, adjunct and contractor. According to Mr. Marion, "educators are always on a limited budget and need solutions that are simple and effective". Overall, the installation accomplished what it set out to achieve; a neat, simple and cost-effective way to manage the technology lab's audio-visual equipment connections.

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