

# CENTRALIZED CONTROL



## Duhamel Broadcasting Television Stations Rapid City, SD

*"It was our decision as we built for the next generation of digital television to increase our capability for airing of commercials to our separate television stations", commented Monte Loos (featured in pictures), Operations/Program Director for Duhamel Broadcasting Enterprises. "As we looked for the necessary type of automation software in order to make this possible, the CRISPIN name kept coming forward. After our investigation, we decided that CRISPIN was the company that met the criteria for our needs."*

**Duhamel Broadcasting, RapidCity, S.D.**, will be centralizing control of their four TV stations with CRISPIN's "System 2000" Total Automation System. CRISPIN will control four-channels, which are designated to each station, enabling KOTA to feed separate and/or same programming and commercials to each station. KOTA-TV (Rapid City, SD), KHSD-TV (Lead, SD), KDUH-TV & K02NT (Scottsbluff, NE), and K06JM (GILLETTE, WY) are ABC affiliates inter-connected via private microwave.

KOTA's multiple channel operation utilizes the CRISPIN application modules: RapidPlayX 2000, Turbobrowser, Mapper 2000, Dubber 2000, DubberAssist, SmartWedge, and a 16-port CRISPIN DeviceServer. This automation system is designed to provide complete station control, including unattended operation for a complete range of mixed broadcast devices. With this operation, CRISPIN is controlling a Leitch VR 445 and VR 420 Video Servers, four Videotek RS12A Switchers, and four Panasonic AJD450 DVC Pro tape machines.

With CRISPIN's System 2000, Duhamel Enterprises will be able to execute real time record and playback, mirroring/backup, commercial record and playback, program record, segmenting, and playback, device control, playlist management, and databasing. RapidPlayX 2000 with TurboBrowser controls the Main Master Control and the Leitch Video Servers, executing the Videotek routers to give them the four-channel operation, as well as backup. In the event of a failure, CRISPIN's RapidPlayX 2000 automatically switches to the backup server without missing a beat. CRISPIN's Mapper 2000 creates and controls a playlist from their OSI Traffic System to the Leitch Servers. Automatic dub lists can be created and viewed in Dubber 2000. Kill lists can also be created by DubberAssist.

The 16-port CRISPIN DeviceServer module is used to allow redundancy and backup. The CRISPIN DeviceServer allows for real-time control of the Master Control devices using house LTC. All software modules work with CRISPIN DeviceServer for scheduling of an action that the device needs to control, such as playback, dubbing, record scheduling, segmenting, caching, etc. CRISPIN's DeviceServer uses unique CRISPIN DLLs to control devices so it gives the station flexibility to add and/or change devices without software revision or without additional costs. CRISPIN's SmartWedge will give the system GPI device control. The I/O SmartWedge board is a microprocessor-based programmable hardware device that interfaces to the serial port of a PC and accepts up to 12 GPI remote inputs, which are opto-isolated, and 12 remote outputs.

<b>Software/Equipment List:</b>		
<b>RapidPlayX 2000</b>	<b>Dubber 2000/ DubberAssist</b>	<b>Mapper 2000</b>
<b>Turbobrowser</b>	<b>16-port CRISPIN DeviceServer</b>	<b>SmartWedge</b>
<b>Devices Controlled:</b>	Leitch VR 445 Video Server	Leitch VR 420 Video Server
OSI Traffic System	4-Panasonic AJD450 DVC Pro Tape Machines	4-Videotek RS12A Switchers



**(919) 845-7744 or [www.crispincorp.com](http://www.crispincorp.com)**