Partner: RGB Spectrum
Model: Quadview XL
Device Type: Video Processor
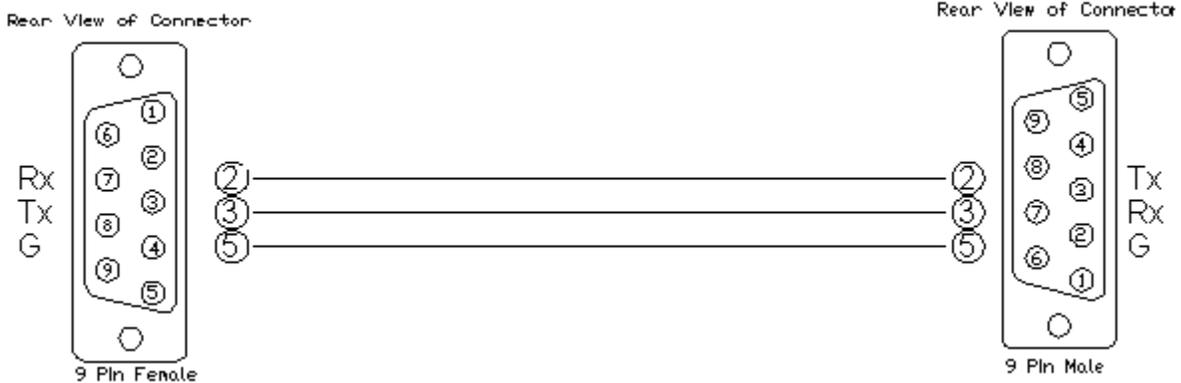
GENERAL INFORMATION

SIMPLWINDOWS NAME:	RGB Spectrum Quadview XL.umc
CATEGORY:	Video Processor
VERSION:	1.1
SUMMARY:	This module controls the general runtime settings of the RGB Spectrum Quadview XL Video Processor.
GENERAL NOTES:	This module controls the general runtime settings of the RGB Spectrum Quadview XL Video Processor. The general runetime settings are window to full screen selection, enable/disable each of the (4) possible windows, dual view, quad view, window movement within field, input assignment to each of the (4) windows, source selection for all (4) inputs, test pattern enable/disable and the activation of (10) pre-programmed presets.
	The Quadview will be polled automatically, every 45 seconds, to acquire current settings. During the polling process, ALL buttons are disabled. The Quadview is polled automatically after selecting a preset.
	Due to limitations in the vendor's firmware, the Quadview cannot be polled for the currently ACTIVE preset. When a preset is selected, this module will query the preset's pre-programmed name. The results will be a serial text string to be sent to a touch panel's indirect Text Field. This is not an indication of the currently ACTIVE preset. It is only on indication of the previously selected preset.
	In order for the module to operate properly, the module's From_Device$ MUST be used. Also, the quadview's ECHO feature must be DISABLED(Echo off). It is disabled automatically when the program starts. If this event fails, you can pulse this module's Echo_Off input. If echo on is left enabled, the module will exhibit inconsistent feedback.
CRESTRON HARDWARE REQUIRED:	CNCOMH-2, CNXCOM-2, ST-COM, C2-COM
SETUP OF CRESTRON HARDWARE:	RS232 Baud: 9600 Parity: N Data Bits: 8 Stop Bits: 1
VENDOR FIRMWARE:	v1.05
VENDOR SETUP:	Name Presets through ASCII commands if names being used

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I2P Certified Modules can be found archived on our website in the Design Center. For more information please contact our Technical Sales Deptartment at techsales@crestron.com. Specifications subject to change without notice.

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CABLE DIAGRAM:	CNSP-121

CONTROL:

Window_*_On/Off/Toggle	D	Pulse to enable, disable or change the current On/Off state of the selected window
Source_Input_*	D	Pulse to select input to be adjusted
Source_*	D	Pulse to select input source
Window_Adjust_*	D	Pulse to select window to Adjust
Window_Move_*	D	Press and Hold to select window move navigation up/down/left/right
Window_Larger	D	Press and Hold to make Selected Window Larger
Window_Smaller	D	Press and Hold to make Selected Window Smaller
Adjustment_Pixels	A	Adjusts How many pixels a window will move when moved
Video_Dual_*	D	Pulse to select one of three dual video modes
Video_Quad	D	Pulse to select quad view
Window_*_Fullscreen	D	Pulse to select one of four windows to full screen
Window_Assign_Input*	D	Pulse to select window to assign
Window_Assign_*	D	Pulse to select quadrant for window assignment
Window_Assign_Enter	D	Pulse to enter window assignments

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Wnidow_Assign_Clear	D	Pulse to clear window assignments
Preset_*	D	Pulse to select desired preset, Press and Hold 5 seconds to save
Echo_Off	D	Pulse to select echo off
Poll_Enable	D	When high, device is polled every 45 seconds for current settings
From_Device$	S	Serial data signal coming from a 2-way com port

FEEDBACK:

Window_*_On/Off_FB	A	True feedback indicating current on/off status of selected window
Source_Input_*_FB	D	True feedback indicating currently selected input to be used for source selection
Source_*_FB	D	True feedback indicating the currently active input source
Window_Move_*_FB	D	True feedback indicating currently selected window to be used for window move
Test_Pattern_*	D	True feedback indicating currently selected output test pattern
Quadrant_*_Gauge	A	Analog value of window assigned to designated quadrant. To be sent to a digital gauge.
Preset_Text$	S	Serial ASCII string indicating selected preset. To be sent to a touch panel's indirect text field.
To_Device$	S	Serial data to be sent to 2-way com port

TESTING:

OPS USED FOR TESTING:	PRO2 Cntrl Eng [v3.137 (Release)]
COMPILER USED FOR TESTING:	2.00.31
SAMPLE PROGRAM:	RGB Spectrum Quadview XL Demo Pro2
REVISION HISTORY:	V. 1.0 Original Release

V 1.1 Added Window Size Adjustment, Added ability to Save Presets, Added SETRATE Analog control for adjusting how fast a window moves, and Improved Polling and overall responsiveness |