

SIMPLWINDOWS NAME: Escient PowerPlay Video Grid Control

CATEGORY: Transport Decks

VERSION: 1.0

SUMMARY: Allows all functions to be accessed using a single 2-D slider over a video or VGA window

GENERAL NOTES: This module allows the PowerPlay system to be controlled using a 2-dimensional slider placed over a video or VGA window on a touchpanel (such as the TPS-4500/5000/6000 or VT-3500). The two analog signals produced by the slider are connected to the two inputs on this module. The module will convert the grid position to an RS232 command to be sent to the Escient system. In this way the entire PowerPlay system can be controlled by a single slider.

Note that the slider must be a 2-dimensional non-spring-return slider placed over the video produced by the Tunebase system. The slider should have it's indicator type property set to "none". While you are pressing on the slider, coordinates will be sent repeatedly. When your finger is removed, the select command will be sent.

The two parameter fields allow you to enter grid size to be used. These values should be set to 720d and 480d. They are listed as parameters in case the grid size defined by Escient changes in the future.

This module also includes the navigate up/down/left/right/select functions, although these functions should not be needed if the X-Y grid function is implemented.

APPLICATION NOTE: Known issues with Escient PowerPlay (software version 1.0.1) operation with Crestron. These items are to be addressed by Escient in a future software release:

Using the "Escient PowerPlay Video Grid Control" module:

1. On the Find screen, you can't press any of the letters before K, even though you have movies loaded that start with letters A-J. When you press letters A-J, they will turn yellow, but never green...meaning they never get selected. The other letters and numbers appear to work fine.
2. When using the navigate up/down/left/right commands, you don't always see the yellow highlighted button changing. You know the selected item is changing, because when you activate the select function, you can select different items, but you don't get the indication on the screen of which item is highlighted. Eventually it will start to work again.

CRESTRON HARDWARE: CNXCOM,
ST-COM

SETUP OF CRESTRON HARDWARE: Baud Rate - 9600
Parity - None
Data Bits - 8
Stop Bits - 1

VENDOR FIRMWARE: 1.0.1

VENDOR SETUP: You can use either com 1 or com 2. You must set up which com port is being used on the Escient system. This is done by selecting "Setup" from the main menu, then "System Settings", then "External control". Now check the box labeled "Enable External Control", and

select the appropriate com port from the drop down list.

CABLE NUMBER: CNSP-124

CONTROL:

NAVIGATE-X-AXIS	A	Connect to the x axis generated by the 2-D slider
NAVIGATE-Y-AXIS	A	Connect to the y axis generated by the 2-D slider
NAVIGATE-*	D	Normal up/down/left/right/select navigation commands. Can be used in a system without a video window on the touchpanel

FEEDBACK:

ESCIENT-TX\$	S	Serial signal to be routed to an RS232 port
---------------------	---	---

.UPZ FILE USED FOR TESTING: 5.12.01x.upz

COMPILER USED FOR TESTING: SimplWindows Version 1.52.01

SAMPLE PROGRAM: Escient PowerPlay Demo Program

REVISION HISTORY: None