

SIMPLWINDOWS NAME: None

CATEGORY: Projector

VERSION: None

SUMMARY: Controls picture adjustments - Bright, Sharp, etc.

GENERAL NOTES: This module controls picture adjustments on a Fujitsu PDS4201 plasma screen. It controls RED GAIN, GREEN GAIN, BLUE GAIN, BRIGHTNESS, CONTRAST, COLOR, TINT, AND SHARPNESS. There are 64 discrete steps for each of these adjustments.

Analog outputs are provided to show the relative level of each of the adjustments. Before performing any adjustments, you should pulse the UPDATE input. This will poll the screen to find out what the current settings are for each of the adjustments. It will update the corresponding analog outputs with this information. You will then be able to adjust each parameter.

Note that the screen maintains two different sets of adjustment settings. One for video mode, one for RGB mode. They must be adjusted separately. You must choose the mode to adjust, then pulse the UPDATE input, then make your adjustments

CRESTRON HARDWARE REQUIRED: CNXCOM, ST-COM

SETUP OF CRESTRON HARDWARE: The port should be set as follows:

Baud Rate - 4800
Parity - None
Data Bits - 8
Stop Bits - 1

VENDOR FIRMWARE: None

VENDOR SETUP: None

CABLE DIAGRAM: The cable connecting the CNXCOM port to the Fujitsu should be as follows:

CNXCOM/ST-COM	to	Fujitsu PDS-4201
9 pin female D	to	9 pin female D
2	to	2
3	to	3
5	to	5

CONTROL:

UPDATE Polls the screen for the current settings of all the adjustment parameters. Updates all the analog outputs with the current values

RED-GAIN-UP Adjust red gain up

RED-GAIN-DN Just red gain down

GREEN-GAIN-UP Adjust green gain up

GREEN-GAIN-DN Adjust green gain down

BLUE-GAIN-UP Adjust blue gain up

BLUE-GAIN-DN Adjust Blue gain down

BRIGHT-UP Adjust brightness up

BRIGHT-DN	Adjust brightness down
CONTRAST-UP	Adjust contrast up
CONTRAST-DN	Adjust contrast down
COLOR-UP	Adjust color up
COLOR-DN	Adjust color down
TINT-UP	Adjust tint up
TINT-DN	Adjust tint down
SHARP-UP	Adjust sharpness up
SHARP-DN	Adjust sharpness down
PRESET-50-ALL	Sets all eight setup parameters to a level of 50%
PLASMA-RX\$	Serial data string to be routed from the CNXCOM port

FEEDBACK:

RED-GAIN	Analog signal reflecting the current level of the red gain adjustment. Should be routed to a bargraph on a touchpanel
GREEN-GAIN	Analog signal reflecting the current level of the green gain adjustment. Should be routed to a bargraph on a touchpanel
BLUE-GAIN	Analog signal reflecting the current level of the blue gain adjustment. Should be routed to a bargraph on a touchpanel
BRIGHT	Analog signal reflecting the current level of the brightness adjustment. Should be routed to a bargraph on a touchpanel
CONTRAST	Analog signal reflecting the current level of the contrast adjustment. Should be routed to a bargraph on a touchpanel
COLOR	Analog signal reflecting the current level of the color adjustment. Should be routed to a bargraph on a touchpanel
TINT	Analog signal reflecting the current level of the tint adjustment. Should be routed to a bargraph on a touchpanel
SHARP	Analog signal reflecting the current level of the sharpness adjustment. Should be routed to a bargraph on a touchpanel
PLASMA-TX\$	Serial data string to be routed to the CNXCOM port

OPS USED FOR TESTING:	3.18.01
COMPILER USED FOR TESTING:	3.18.04
SAMPLE PROGRAM:	PDS1TSTA
REVISION HISTORY:	None