

**SIMPLWINDOWS NAME:** None  
**CATEGORY:** Projector  
**VERSION:** None  
**SUMMARY:** Controls power/inputs/aspects/mode/volume  
**GENERAL NOTES:** This module provides 2-way RS232 communication with the plasma screen. Real feedback is provided for power status, input selected, and mode selected. The other features controlled by this module do not provide feedback.

Most functions will be locked out unless the plasma screen is powered on. Therefore, the first function, which should be activated is POWER-ON.

Some aspects are not valid in RGB mode, therefore, only ASPECT-NORMAL, ASPECT-WIDE-2 and ASPECT-ZOOM-1 will function in RGB mode, while all aspects will function in video mode.

When the screen is powered on, it will take several seconds for the feedback to be reflected on the output of the module, since it takes several seconds for the screen to power on.

This module can be used in conjunction with CN-PDS2A which provides control of video adjustments (brightness, contrast, etc.)

**CRESTRON HARDWARE REQUIRED:** CNXCOM, ST-COM

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

Baud Rate - 4800  
Parity - None  
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:

**POWER-ON** Turn screen on. Also polls for feedback reflecting power is on

**POWER-OFF** Turn screen off. Also polls for feedback reflecting power is off

**INPUT-VIDEO** Select the video input on screen and poll for proper feedback

<b>INPUT-RGB</b>	Select the RGB input on screen and poll for proper feedback
<b>ASPECT-NORMAL</b>	Select aspect NORMAL
<b>ASPECT-AUTO</b>	Select aspect AUTO
<b>ASPECT-WIDE-1</b>	Select aspect WIDE 1
<b>ASPECT-WIDE-2</b>	Select aspect WIDE 2
<b>ASPECT-ZOOM-1</b>	Select aspect ZOOM 2
<b>ASPECT-ZOOM-2</b>	Select mode NORMAL
<b>MODE-AUTO</b>	Select mode AUTO
<b>MODE-NTSC</b>	Select mode PAL
<b>MODE-PAL</b>	Select mode SECAM
<b>MODE-SECAM</b>	Select mode NTSC 4.43
<b>MODE-NTSC43</b>	Turn on the On-Screen display
<b>ON-SCREEN-ON</b>	Turn off the On-Screen display
<b>ON-SCREEN-OFF</b>	Ramp volume up for as long as signal is held high
<b>VOLUME-UP</b>	Ramp volume up for as long as signal is held high
<b>PLASMA-RX\$</b>	Serial data signal to be routed from a CNXCOM or ST-COM port
<b>VOLUME-DOWN</b>	Ramp volume down for as long as signal is held high
<b>VOLUME-MUTE</b>	Toggle the state of volume mute
<b>STATUS</b>	Request the current status of projector for power, input, and mode. This input can usually be defined as 0 since the module automatically polls the screen whenever a related parameter is changed

## FEEDBACK:

<b>POWER-ON-FB</b>	Real feedback indicating when power is on
<b>POWER-OFF-FB</b>	Real feedback indicating when power is off
<b>INPUT-VIDEO-FB</b>	Real feedback indicating when video is selected
<b>INPUT-RGB-FB</b>	Real feedback indicating when RGB is selected
<b>ASPECT-NORMAL-FB</b>	Indicates NORMAL mode was last selected
<b>ASPECT-AUTO-FB</b>	Indicates AUTO mode was last selected
<b>ASPECT-WIDE-1-FB</b>	Indicates WIDE 1 mode was last selected
<b>ASPECT-WIDE-2-FB</b>	Indicates WIDE 2 mode was last selected
<b>ASPECT-ZOOM-1-FB</b>	Indicates ZOOM 1 mode was last selected
<b>ASPECT-ZOOM-2-FB</b>	Indicates ZOOM 2 mode was last selected
<b>MODE-AUTO-FB</b>	Real feedback indicating AUTO mode selected
<b>MODE-NTSC-FB</b>	Real feedback indicating NTSC mode selected
<b>MODE-PAL-FB</b>	Real feedback indicating PAL mode selected
<b>MODE-SECAM-FB</b>	Real feedback indicating SECAM mode selected
<b>MODE-NTSC43-FB</b>	Real feedback indicating NTSC 4.43 mode selected
<b>ON-SCREEN-ON-FB</b>	Indicates On-Screen display is on
<b>ON-SCREEN-OFF-FB</b>	Indicates On-Screen display is off
<b>VOLUME-MUTE-FB</b>	Indicates when volume is muted
<b>VOLUME-BAR</b>	Analog signal indicating volume level. Should be routed to a bargraph display on a touchpanel
<b>PLASMA-TX\$</b>	Serial data signal to be routed to a CNXCOM or ST-COM port

<b>OPS USED FOR TESTING:</b>	3.18.01
<b>COMPILER USED FOR TESTING:</b>	3.18.04
<b>SAMPLE PROGRAM:</b>	PDS1TSTA
<b>REVISION HISTORY:</b>	None