

SIMPLWINDOWS NAME: FUJITSU PDS-4229+4233+4241+4242+5001+5002 Full Control

CATEGORY: TV/Video Projector

VERSION: None

SUMMARY: Controls power/inputs/aspects/mode

GENERAL NOTES: This module was tested on a Fujitsu PDS-5002 plasma screen. It should also work for models PDS4229/4233/4241/4242/5001, however these models have not been tested by Crestron.

This macro provides 2-way RS232 communication with the plasma screen. Real feedback is provided for power status and input selected. The other features controlled by this macro 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 macro, since it takes several seconds for the screen to power on.

CRESTRON HARDWARE REQUIRED: CNXCOM ST-COM

SETUP OF CRESTRON HARDWARE: Baud Rate - 4800
Parity - None
Data Bits - 8
Stop Bits - 1

VENDOR FIRMWARE: None

VENDOR SETUP: None

CABLE: CNSP-143

CONTROL:

RS_232_On	D	Pulse to start communications.
Power_On	D	Turn screen on.
Power_Off	D	Turn screen off.
Power_Toggle	D	Toggles the power state of the screen.
Input_Composite_Video	D	Select the composite video input on screen.
Input_S-Video	D	Select the s-video input on screen.
Input_Component_Video	D	Select the component video input on screen.
Input_RGB_1_DVI	D	Select the RGB 1 input on screen.
Input_RGB_2_D-Sub	D	Select the RGB 2 input on screen.
Input_RGB_3_BNC	D	Select the RGB 3 input on screen.
Aspect_Ratio_Normal	D	Select aspect NORMAL.
Aspect_Ratio_Auto	D	Select aspect AUTO.
Aspect_Ratio_Wide-1	D	Select aspect WIDE 1.

Aspect_Ratio_Wide-2	D	Select aspect WIDE 2.
Aspect_Ratio_Zoom-1	D	Select aspect ZOOM 1.
Aspect_Ratio_Zoom-2	D	Select aspect ZOOM 2.
Video_Mode_AUTO	D	Select mode NORMAL.
Video_Mode_NTSC	D	Select mode AUTO.
Video_Mode_NTSC_443	D	Select mode NTSC 4.43.
Video_Mode_PAL	D	Select mode PAL.
Video_Mode_M_PAL	D	Select mode M PAL.
Video_Mode_N_PAL	D	Select mode N PAL.
Video_Mode_SECAM	D	Select mode SECAM.
Video_Mode_PAL_60	D	Select mode PAL 60.
OSD_On	D	Turn on the On-Screen display.
OSD_Off	D	Turn off the On-Screen display.
Status	D	Request the current status of projector for power, input, ratio, and picture quality. This input can usually be defined as 0 since the macro automatically polls the screen whenever a related parameter is changed.
Contrast_Up/Down	D	Adjust the Contrast.
Tint_Up/Down	D	Adjust the Tint.
Color_Up/Down	D	Adjust the Color.
Brightness_Up/Down	D	Adjust the Brightness.
Sharpness_Up/Down	D	Adjust the Sharpness.
From_Device\$	S	Serial data signal to be routed from a 2 way com port.

FEEDBACK:

Power_On_Fb	D	Real feedback indicating when power is on.
Power_Off_Fb	D	Real feedback indicating when power is off.
Input_Composite_Video_Fb	D	Real feedback indicating when composite video is selected.
Input_S-Video_Fb	D	Real feedback indicating when s-video is selected.
Input_Component_Video_Fb	D	Real feedback indicating when component video is selected.
Input_RGB_1_DVI_Fb	D	Real feedback indicating when RGB 1 is selected.
Input_RGB_2_D-Sub_Fb	D	Real feedback indicating when RGB 2 is selected.
Input_RGB_3_BNC_Fb	D	Real feedback indicating when RGB 3 is selected.
Aspect_Ratio_Normal_Fb	D	Real feedback indicating normal ratio is selected.
Aspect_Ratio_Auto_Fb	D	Real feedback indicating auto ratio is selected.
Aspect_Ratio_Wide_1_Fb	D	Real feedback indicating wide 1 ratio is selected.
Aspect_Ratio_Wide_2_Fb	D	Real feedback indicating wide 2 ratio is selected.
Aspect_Ratio_Zoom_1_Fb	D	Real feedback indicating zoom 1 ratio is selected.

Aspect_Ratio_Zoom_2_Fb	D	Real feedback indicating zoom 2 ratio is selected.
Contrast-Bar	A	Analog signal indicating Contrast level. Should be routed to a bargraph display on a touch panel.
Tint-Bar	A	Analog signal indicating Tint level. Should be routed to a bargraph display on a touch panel.
Color-Bar	A	Analog signal indicating Color level. Should be routed to a bargraph display on a touch panel.
Brightness-Bar	A	Analog signal indicating Brightness level. Should be routed to a bargraph display on a touch panel.
Sharpness-Bar	A	Analog signal indicating Sharpness level. Should be routed to a bargraph display on a touch panel.
To_Device\$	S	Serial data signal to be routed to a 2 way com port.

OPS USED FOR TESTING: 5.12.63x (X-Gen)
1.014 (2-Series)

SIMPLWINDOWS USED FOR TESTING: 2.01.06

SAMPLE PROGRAM: Fujitsu PDS-
4229+4233+4241+4242+5001+5002
Demo

REVISION HISTORY: None