CRESTRON

I²P Certified Module

Partner: Sony
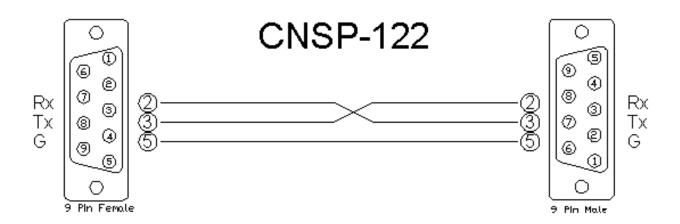**Model:** VPL-FX51
Device Type: Projector

I²P CRESTRON INDUSTRY INTEGRATION PARTNERSHIP

GENERAL INFORMATION

SIMPLWINDOWS NAME:	Sony VPL-FX51 Projector
CATEGORY:	Projector
VERSION:	1.0
SUMMARY:	Power, Source Select, Picture Mute, Lamp Mode, Aspect Ratio, Contrast, Brightness, color, Hue, Sharpness, RGB Enhancer and Elapsed Lamp Hours.
GENERAL NOTES:	This module will control the Sony VPL-FX51 Projector. True feedback is provided for all functions including elapsed lamp hours. When any command is sent to the projector, it will acknowledge that the command was processed properly and the corresponding feedback will be reflected at the outputs of this module. Picture setting will only be updated when the appropriate input is selected.
	When the Poll_Enable input is asserted(Default =1), the projector will be polled every 15 seconds to determine the state of power, input source and picture mute.
	If it is desired to poll the projector for picture setting changes made using the IR remote control, or by the controls on the projector itself, you can assert the Poll_Settings input(Default =1). When this input is high, the projector will be polled every 45 seconds to determine the state of aspect ratio, brightness, contrast, sharpness, color, hue, RGB Enhancer, lamp mode and elapsed lamp hours. Typically, you could enable either polling option when the projector's particular control page is active and displayed on a touch panel. You would then disable polling at other times.
CRESTRON HARDWARE REQUIRED:	C2-COM, ST-COM, CNMSX Internal Com Ports
SETUP OF CRESTRON HARDWARE:	RS-232 Baud Rate – 38400 Parity – Even Data Bits – 8 Stop Bits - 1
VENDOR FIRMWARE:	ROM v1.02
VENDOR SETUP:	None
CABLE DIAGRAM:	CNSP-122

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CNSP-122

Rx Tx G — 9 Pin Female

Rx Tx G — 9 Pin Male

CONTROL:

Power_On	D	Turn projector on.
Power_Off	D	Turn projector off.
Power_Toggle	D	Toggles the power state of projector.
Input_Vid	D	Selects projector's composite video input.
Input_YC	D	Selects projector's S-Video input.
Input_A	D	Selects projector's A (BNC) input.
Input_B	D	Selects projector's B (DVI) input.
Input_C	D	Selects projector's C (Ethernet) input.
LMode_On	D	Selects lamp high brightness mode.
LMode_Off	D	Selects lamp standard brightness mode.
Picture_Mute_On	D	Activate picture mute (blank the screen).
Picture_Mute_Off	D	Deactivate picture mute (unblank the screen).
Aspect_4-3	D	Selects 4:3 screen aspect ratio.

Aspect_16-9	D	Selects 16:9 Screen aspect ratio.
Contrast_Up/Down	D	Adjusts appropriate picture setting up/down.
Brightness_Up/Down	D	Adjusts appropriate picture setting up/down.
Color_Up/Down	D	Adjusts appropriate picture setting up/down.
Hue_Up/Down	D	Adjusts appropriate picture setting up/down.
Sharpness_Up/Down	D	Adjusts appropriate picture setting up/down.
RGB_Enhance_Up/Down	D	Adjusts appropriate picture setting up/down.
Poll_Enable	D	When high, projector will be polled for its general settings every 15 seconds (Default=1).
Poll_Settings	D	When high, projector will be polled for its picture settings and elapsed lamp hours every 45 seconds (Default=1).
From_Device$	D	Serial data signal to be routed from a 2-way Com Port.

FEEDBACK:

Power_On/Off/Tog_FB	D	True feedback indicating current power state.
Input_*_FB	D	True feedback indicating current selected input source.
LMode_On/Off_FB	D	True feedback indicating current lamp mode.
Picture_Mute_On/Off_FB	D	True feedback indicating current picture mute state.
Aspect_4-3/16-9_FB	D	True feedback indicating current aspect ratio.
*_Analog	A	Analog value of picture settings to be sent to bar graph.
Lamp_Hours	A	Decimal value indicating elapsed lamp hours.
To_Device$	S	Serial data signal to be routed to a 2-way Com Port.

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TESTING:

OPS USED FOR TESTING:	X-GEN SERIES OPS USED FOR TESTING: 5.12.63 2 SERIES OPS USED FOR TESTING: 3.088
SIMPLWINDOWS USED FOR TESTING:	2.04.14.05
SAMPLE PROGRAM:	Sony VPL-FX51 Demo Pro2
REVISION HISTORY:	None