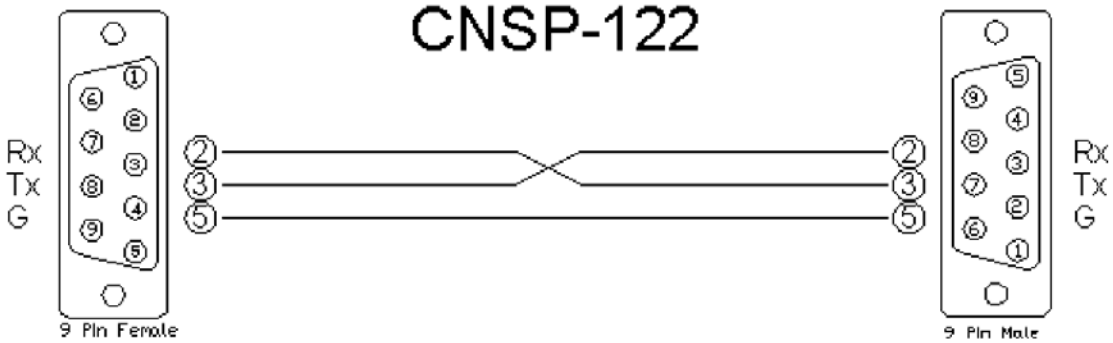
Partner: Sony
Model: VPL-VW1000ES
Device Type: LCD Projector

GENERAL INFORMATION

SIMPLWINDOWS NAME:	Sony VPL-VW1000ES v1.0
CATEGORY:	TV/Video Projector
VERSION:	1.0
SUMMARY:	This module provides RS232 control and feedback for the Sony VPL-VW1000ES.
GENERAL NOTES:	This module will control the Sony VPL-VW1000ES 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 settings will only be updated when the appropriate input is selected. This module was tested with the Sony VPL-VW1000ES. This module is System Builder compatible.
CRESTRON HARDWARE REQUIRED:	C2I-COM6, C2-COM2/3, CNXCOM-6, CNX-COM2, ST-COM, C2I-MC3-COM2
SETUP OF CRESTRON HARDWARE:	RS232 Baud: 38400 Parity: Even Data Bits: 8 Stop Bits: 1
VENDOR FIRMWARE:	N/A
VENDOR SETUP:	None
CABLE DIAGRAM:	CNSP-122



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CONTROL:

Power_<On/Off/Toggle>	D	Pulse to turn the projector on or off.
Input_*	D	Pulse to select the desired input.
Aspect_*	D	Pulse to set the aspect ratio.
Picture_Position_*	D	Pulse to recall the picture position preset. Picture position presets are used to store lens positions.
Picture_Mode_*	D	Pulse to set the picture mode.
Lamp_Control_<High/Low/Toggle>	D	Pulse to set the lamp brightness.
Picture_Mute_<On/Off/Toggle>	D	Pulse to turn picture mute on or off.
Menu	D	Pulse to enter or exit on screen menu.
Up	D	Pulse to navigate on screen menu.
Down	D	Pulse to navigate on screen menu.
Left	D	Pulse to navigate on screen menu.
Right	D	Pulse to navigate on screen menu.
Enter	D	Pulse to select highlighted item in menu.
Contrast_<Up/Down>	D	Press to adjust contrast.
Brightness_<Up/Down>	D	Press to adjust brightness.
Color_<Up/Down>	D	Press to adjust color.
Hue_<Up/Down>	D	Press to adjust hue.
Sharpness_<Up/Down>	D	Press to adjust sharpness.
Focus_<In/Out>	D	Press to adjust focus.
Zoom_<In/Out>	D	Press to adjust zoom.
Lens_Shift_*	D	Press to adjust lens shift.
Advanced_Iris_*	D	Pulse to set advance iris setting.

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Film_Mode_*	D	Pulse to set film mode.
Motion_Enhancer_*	D	Pulse to select motion enhancer setting.
Set_2D-3D_Display_*	D	Pulse to select 2D or 3D display output.
Set_3D_Format_*	D	Pulse to select the type of 3D format.
Set_3D_Depth_*	D	Pulse to select the 3D depth.
Simulated_3D_Effect_*	D	Pulse to select the type of simulated 3D effect.
Set_3D_Brightness_*	D	Pulse to set brightness of 3D.
Poll_Enable	D	Latch high to enable polling.
Poll_Settings	D	Latch high to enable polling of settings.
From_Device	S	Serial signal to be routed from a 2-way serial com port.

FEEDBACK:

Power_Is_<On/Off>	D	High to indicate the current power state.
Is_Warming_Up	D	High to indicate that the projector is warming up.
Is_Cooling_Down	D	High to indicate that the projector is cooling down.
Input_Is_*	D	High to indicate the current input.
Aspect_Is_*	D	High to indicate the current aspect.
Picture_Position_Is_*	D	High to indicate the currently selected picture position preset. Picture position presets are used to store lens positions.
Picture_Mode_Is_*	D	High to indicate the current picture mode selected.
Lamp_Control_Is_<High/Low>	D	High to indicate the lamp brightness setting.
Picture_Mute_Is_<On/Off>	D	High to indicate if picture mute is on or off.
Contrast_Gauge	A	Analog value indicating current contrast value.
Brightness_Gauge	A	Analog value indicating current brightness value.
Color_Gauge	A	Analog value indicating current color value.

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Hue_Gauge	A	Analog value indicating current hue value.
Sharpness_Gauge	A	Analog value indicating current sharpness value.
Advanced_Iris_Is_*	D	High to indicate current advanced iris setting.
Film_Mode_Is_*	D	High to indicate film mode setting.
Motion_Enhancer_Is_*	D	High to indicate current motion enhancer setting.
Set_2D-3D_Display_Is_*	D	High to indicate 2D or 3D display output.
Set_3D_Format_Is_*	D	High to indicate the type of 3D format.
Set_3D_Depth_Is_*	D	High to indicate the 3D depth.
Simulated_3D_Effect_Is_*	D	High to indicate the type of simulated 3D effect.
Set_3D_Brightness_Is_*	D	High to indicate the brightness of the 3D.
Lamp_Hours	A	Analog value indicating lamp hours.
To_Device	S	Serial signal to be routed to a 2-way serial com port.

TESTING:

OPS USED FOR TESTING:	2-Series v4.003.0015 3-Series v1.002.0000
SIMPL WINDOWS USED FOR TESTING:	3.10.20
CRES DB USED FOR TESTING:	29.02.103.00
DEVICE DB USED FOR TESTING	39.00.005.00
SYMBOL LIBRARY USED FOR TESTING:	772
SAMPLE PROGRAM:	Sony VPL-VW1000ES v1.0 Demo PRO2.smw Sony VPL-VW1000ES v1.0 Demo MC3.smw
REVISION HISTORY:	V. 1.0 – Original release.

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