Partner: Sony
Model: FWD-S42H1
Device Type: LCD Monitor

CRESTRON
CERTIFIED **INTEGRATED** PARTNER

GENERAL INFORMATION

SIMPLWINDOWS NAME:	Sony FWD-S42H1 v1.0
CATEGORY:	TV/Video Projector
VERSION:	1.0
SUMMARY:	This module provides controls for the Sony FWD-S42H1 display via RS-232.
GENERAL NOTES:	This module provides control for the Sony FWD-S42H1 displays. It also provides true feedback. NOTE: The display does not allow you to view the video and s-video inputs on the same option card at the same time. If you have the PIP or the P&P active, you can only view the video input OR the s-video input on one option card. In order to view video and s-video at the same time, you would need to have two Video/S-Video option cards installed. This module was tested with the FWD-S42H1. Sony uses the same protocol on most of their displays. This module should also work on the following model: • FWD-S47H1
CRESTRON HARDWARE REQUIRED:	C2-COM, C2-COM2, C2-COM3, 3-Series
SETUP OF CRESTRON HARDWARE:	RS232 Baud: 9600 Parity: None Data Bits: 8 Stop Bits: 1
VENDOR FIRMWARE:	1.16
VENDOR SETUP:	A BKMFW21 RS-232 interface card is required for serial control. The network port must also be disabled on the Sony unit. Do this by entering the on screen menu and selecting the following: Setup->Advanced Setup->Network Port. Set this to "OFF".
CABLE DIAGRAM:	CNSP-121

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CNSP-121

Rear View of Connector

Rx
Tx
G

9 Pin Female

Rear View of Connector

Tx
Rx
G

9 Pin Male
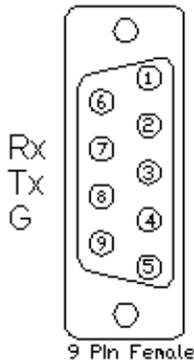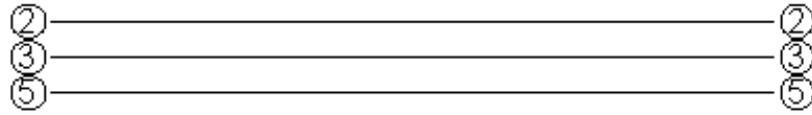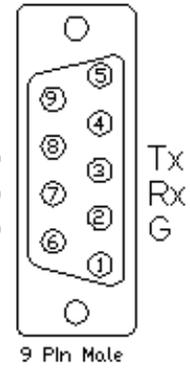
CONTROL:		
Power_<On/Off/Toggle>	D	Pulse to turn unit power on or off.
Input_*	D	Pulse to select desired input.
Color_System_NTSC	D	Pulse to select color system.
Power_Save_Mode_*	D	Pulse to select desired power save mode.
Auto_Power_Off_Mode_<On/Off/Toggle>	D	Pulse to turn auto power mode on or off.
PIP_Mode_Picture_&_Picture	D	Pulse to turn picture and picture mode on.
PIP_Mode_Picture_In_Picture	D	Pulse to turn picture in picture mode on.
PIP_Mode_Off	D	Pulse to turn picture and picture or picture in picture off.
PIP_Swap	D	Pulse to swap the inputs for the two display windows.
Active_Picture_Left/Main	D	Pulse to select the left or main picture as the currently active picture.
Active_Picture_Right/Sub	D	Pulse to select the right or sub picture as the currently active picture.
Active_Picture_Toggle	D	Pulse Toggle the currently active picture.
PIP_Sub_Picture_Large	D	Pulse to set the PIP picture to large size.
PIP_Sub_Picture_Small	D	Pulse to set the PIP picture to small size.
PIP_Sub_Picture_Position_<1/2/3/4>	D	Pulse to change the PIP sub picture position.

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Contrast_<Up/Down>	D	Press to adjust the contrast.
Brightness_<Up/Down>	D	Press to adjust the brightness.
Volume_<Up/Down>	D	Press to adjust the volume.
Volume_Mute_<On/Off/Toggle>	D	Pulse to turn volume mute on or off.
Speaker_<On/Off/Toggle>	D	Pulse to turn speaker on or off.
Picture_Mode_*	D	Pulse to select the desired picture mode.
Poll_Enable	D	Latch high to enable polling.
From_Device	S	Serial signal to be routed from a 2-way serial port.

FEEDBACK:

Power_Is_<On/Off>	D	Indicates the unit current power status.
Input_Is_*	D	Indicates the current input selected.
Color_System_Is_*	D	Indicates the current color system.
Power_Save_Mode_Is_ECO_High	D	Indicates that the current power save mode is ECO high.
Power_Save_Mode_Is_ECO_Low	D	Indicates that the current power save mode is ECO low.
Power_Save_Mode_Is_Off	D	Indicates that the current power save mode is off.
Auto_Power_Off_Mode_Is_<On/Off>	D	Indicates the auto power off mode status.
PIP_Mode_Is_Picture_&_Picture	D	Indicates that PIP mode is set to picture and picture.
PIP_Mode_Is_Picture_In_Picture	D	Indicates that PIP mode is set to picture in picture.
PIP_Mode_Is_Off	D	Indicates that the PIP mode is off.
Active_Picture_Is_Left/Main	D	Indicates that the active picture is left or main in PIP mode.
Active_Picture_Is_Right/Sub	D	Indicates that the active picture is right or main in PIP mode.
PIP_Sub_Picture_Is_Large	D	Indicates that the PIP sub picture is large.
PIP_Sub_Picture_Is_Small	D	Indicates that the PIP sub picture is small.

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PIP_Sub_Picture_Position_Is_<1/2/3/4>	D	Indicates the PIP sub picture position.
Contrast_Gauge	A	Analog value indicating the current contrast level for gauge.
Brightness_Gauge	A	Analog value indicating the current brightness level for gauge.
Volume_Gauge	A	Analog value indicating the current volume level for gauge.
Volume_Mute_Is_<On/Off>	D	Indicates current volume mute status.
Speaker_Is_<On/Off>	D	Indicates current speaker status.
Picture_Mode_Is_*	D	Indicates current picture mode.
To_Device	S	Serial signal to be routed to a 2-way serial com port.

TESTING:

OPS USED FOR TESTING:	4.003.0015
SIMPL WINDOWS USED FOR TESTING:	3.02.04
DEVICE DB USED FOR TESTING:	35.05.004.00
CRES DB USED FOR TESTING:	27.00.010.00
SYMBOL LIBRARY USED FOR TESTING:	741
SAMPLE PROGRAM:	Sony FWD-S42H1 v1.0 Demo PRO2.smw
REVISION HISTORY:	v1.0 – Initial Release