Partner: Sony
Model: XBR-84X900
Device Type: HDTV
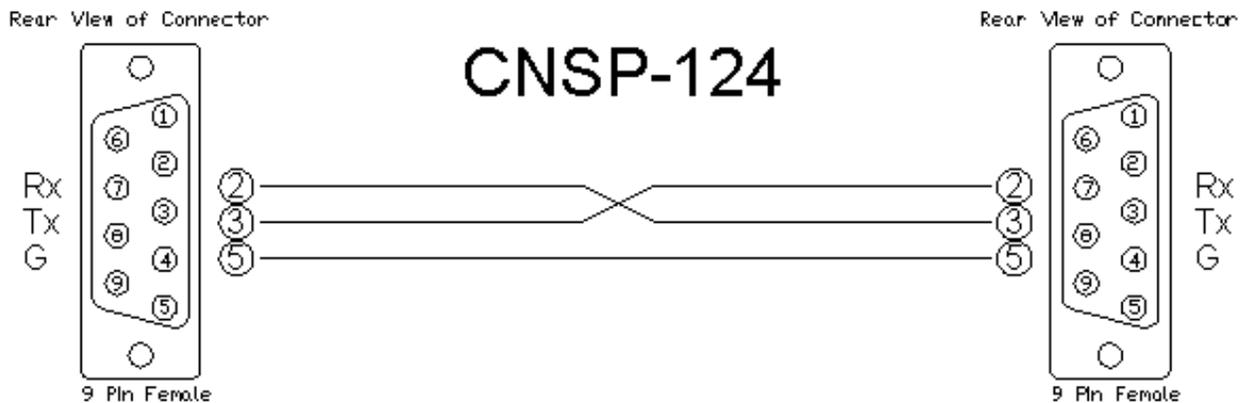
CRESTRON
CERTIFIED **INTEGRATED** PARTNER

GENERAL INFORMATION

SIMPLWINDOWS NAME:	Sony XBR-84X900 v1.0
CATEGORY:	TV/Video Projector
VERSION:	1.0
SUMMARY:	This module provides controls for the Sony XBR-84X900 display via RS-232.
GENERAL NOTES:	This module provides control for the Sony XBR-84X900 displays. It also provides true feedback. The Standby Enable command may initially need to be pulsed to allow the TV to power on via RS-232. This module was tested with the Sony XBR-84X900. Sony uses the same protocol on most of their displays. This module should also work on the following models: • XBR-84X900 • XBR-65HX950 • XBR-55HX950 • KDL-55HX850 • KDL-55HX751 • KDL-55HX750 • KDL-55EX640 • KDL-46HX850 • KDL-46HX750 • KDL-46EX640 • KDL-40EX640 • HX95x series • HX85x series • HX75x series • HX65x series • EX65x series • EX55x series • EX640 series • EX630 series • EX43x series • EX410 series • EX33x series • EX310 series • CX450 series • CX350 series • BX35A series Note: Some functions of this module may not work for all TV models.
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

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VENDOR FIRMWARE:	Unknown
VENDOR SETUP:	None required.
CABLE DIAGRAM:	CNSP-124

CNSP-124

Rear View of Connector — 9 Pin Female — Rx Tx G (pins 2, 3, 5)
Rear View of Connector — 9 Pin Female — Rx Tx G (pins 2, 3, 5)

CONTROL:

Power_<On/Off/Toggle>	D	Pulse to turn unit power on or off.
Input_*	D	Pulse to select desired input.
Channel_Key_<0-9>	D	Pulse to make channel request.
Channel_Key_Dot	D	Pulse to enter dot in channel request.
Channel_Clear	D	Pulse to clear channel request.
Channel_Enter	D	Pulse to submit channel request.
Channel_<Up/Down>	D	Pulse to increment up or down to the next available channel.
Volume_<Up/Down>	D	Press to adjust volume level.
Mute_<On/Off/Toggle>	D	Pulse to turn mute on or off.
Home	D	Pulse to show or hide menus.

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Cursor_<Up/Down/Left/Right>	D	Pulse to navigate menus and set values.
Return	D	Pulse to navigate or exit menus.
Select	D	Pulse to set the selected menu or setting item.
Options	D	Pulse to select options menu.
Jump	D	Pulse to jump to previous source.
Favorites	D	Pulse to display favorites or recent history.
Sleep_Off	D	Pulse to turn sleep timer off.
Sleep_*_Minutes	D	Pulse to set sleep timer minutes.
Picture_<On/Off>	D	Pulse to enable or disable video.
Picture_Mode_*	D	Pulse to select the desired picture mode.
Wide_Mode_*	D	Pulse to select the desired wide mode.
Auto_Wide_<On/Off>	D	Pulse to turn auto wide mode on or off.
Cine_Motion_*	D	Pulse to select the desired cine motion mode.
Mode_4x3_*	D	Pulse to select the desired 4:3 mode.
Picture_<Up/Down>	D	Press to adjust the picture level.
Brightness_<Up/Down>	D	Press to adjust the brightness level.
Color_<Up/Down>	D	Press to adjust the color level.
Display	D	Pulse to display or hide the current input information.
Closed_Caption	D	Pulse to turn closed captioning on or off.
Standby_Enable	D	Pulse to enable Power On command.
Select_TrackID	D	Pulse to identify a song or snippet of music playing on the TV.
Select_3D	D	Pulse to select 3D menu.
Select_Netflix	D	Pulse to enter Netflix menu.
Select_Internet_Widgets	D	Pulse to enter internet widgets menu.

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Select_Internet_Video	D	Pulse to enter internet video menu.
Select_SEN	D	Pulse to enter Sony Entertainment Network menu.
Yellow	D	Pulse to trigger yellow function in menu.
Blue	D	Pulse to trigger blue function in menu.
Red	D	Pulse to trigger red function in menu.
Green	D	Pulse to trigger green function in menu.
Play	D	Pulse to play selection.
Stop	D	Pulse to stop selection.
Pause	D	Pulse to pause selection.
Skip_Rev	D	Pulse to skip back to previous selection or to restart current selection.
Skip_Fwd	D	Pulse to skip forward to next selection.
Search_Rev	D	Pulse to reverse search through selection.
Search_Fwd	D	Pulse to forward search through selection.
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.
<Antenna/Cable>_Is_Selected	D	Indicates the channel signal type.
Number_Text	S	Displays channel number that will be requested (contains an asterisk) and also the current channel (no asterisk).
Volume_Gauge	A	Analog value displaying current volume level.
Mute_Is_<On/Off>	D	Indicates the current mute status.
To_Device	S	Serial signal to be routed to a 2-way serial com port.

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TESTING:

OPS USED FOR TESTING:	2-Series: 4.007.0004 3-Series: 1.005.0007
SIMPL WINDOWS USED FOR TESTING:	3.11.15
DEVICE DB USED FOR TESTING:	45.00.019.00
CRES DB USED FOR TESTING:	33.05.005.01
SYMBOL LIBRARY USED FOR TESTING:	828
SAMPLE PROGRAM:	2-Series: Sony XBR-84X900 v1.0 Demo PRO2.smw 3-Series: Sony XBR-84X900 v1.0 Demo MC3.smw
REVISION HISTORY:	v1.0 – Initial Release

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