

Partner: Digital Projection
 Model: HIGHLite 1080p 660
 Device Type: Video Projector



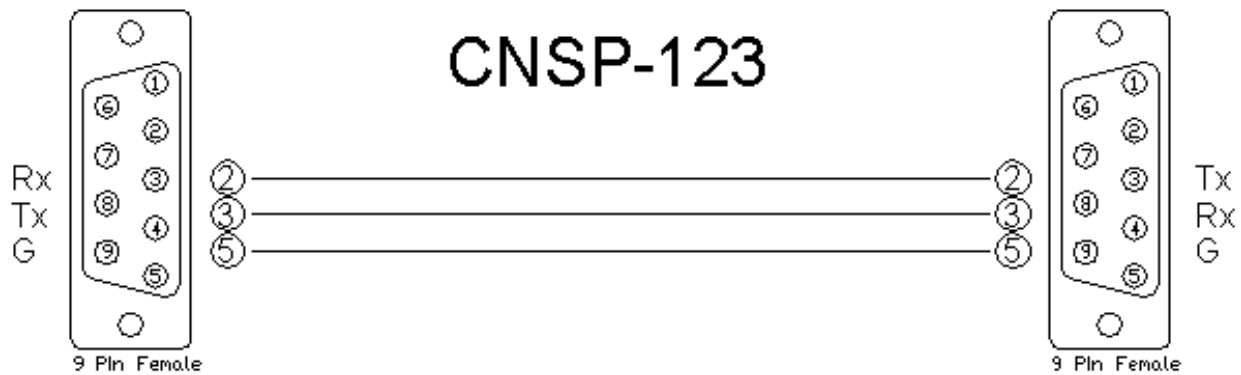
GENERAL INFORMATION

SIMPLWINDOWS NAME:	Digital Projection HIGHLite 1080p 660 v1.0
CATEGORY:	TV/Video Projector
VERSION:	1.0
SUMMARY:	This module provides RS232 control and feedback for the Digital Projection HIGHLite 1080p 660 video projector.
GENERAL NOTES:	<p>This module provides RS232 control of the Digital Projection HIGHLite 1080p 660 video projector. It also provides feedback. This module will also control the following projector series.</p> <ul style="list-style-type: none"> • HIGHLite 660 Series • Quad Titan Series • Titan 800 Series • Titan Pro Series III <p>Not all functions are available on all models.</p> <p>The default baud rate is 9600 unless the projector has scaler version: BL 07 FW 2-4-0A 0013 DP. This can be checked by going to Main Menu-> Information-> Projector-> Configuration. If the scaler version is BL 07 FW 2-4-0A 0013 DP the baud rate is 115200.</p> <p>NOTE: Once the power on or power off command is sent the Power_Is_<On/Off> output will flash for a period of 50 seconds after power or 90 seconds after a power off. The power commands will be locked out for that period. The Projector_Is_<Warming_Up/Cooling_Down> will be high while power changes are locked out.</p> <p>NOTE: Once a lamp mode change command has been sent the Lamp_Mode_Is_* outputs will flash for a period of 90 seconds. Further lamp mode changes will be locked out for that period. The Lamp_Mode_Is_Changing output will be high while lamp mode changes are locked out.</p>
CRESTRON HARDWARE REQUIRED:	C2I-COM, ST-COM, C2-COM-*, C2-MC3-COM2
SETUP OF CRESTRON HARDWARE:	<p>RS232</p> <p>Scaler Version: BL 07 FW 2-4-0A 0013 DP</p> <p>Baud: 115200</p> <p>Parity: None</p> <p>Data Bits: 8</p> <p>Stop Bits: 1</p> <p>All other Scaler Versions:</p> <p>Baud: 9600</p> <p>Parity: None</p> <p>Data Bits: 8</p> <p>Stop Bits: 1</p>

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VENDOR FIRMWARE:	BL 07 FW 2-4-0A 0013 DP
VENDOR SETUP:	None
CABLE DIAGRAM:	CNSP-123



CONTROL:

Power_<On/Off/Toggle>	D	Pulse to turn the projector on and off.
Input_*	D	Pulse to select the desired input.
Aspect_Ratio_*	D	Pulse to select the desired aspect ratio.
Picture_Mute_<On/Off>	D	Pulse to turn the picture mute on or off.
Lamp_Mode_1_Lamp(Titan_Quad_Only)	D	Pulse to select the 1 lamp lamp mode. Titan Quad Only.
Lamp_Mode_Single_Lamp_2(HL660)/2_Lamps (Titan_Quad)	D	Pulse to select the single lamp lamp 2 (HIGHLite 660) or the 2 lamps (Titan Quad) lamp mode.
Lamp_Mode_Single_Lamp_1(HL660)/3_Lamps (Titan_Quad)	D	Pulse to select the single lamp lamp 1 (HIGHLite 660) or the 3 lamps (Titan Quad) lamp mode.
Lamp_Mode_Dual_Lamp(HL660)/4_Lamps (Titan_Quad)	D	Pulse to select the dual lamp (HIGHLite 660) or the 4 lamps (Titan Quad) lamp mode.
Poll_Enable	D	Hold high to enable polling for device status.
From_Device	S	Serial signal to be routed from a 2-way serial com port.

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FEEDBACK:

Power_Is_<On/Off>	D	High to indicate the current power state. Will flash to indicate that the power is turning on or turning off.
Projector_Is_<Warming_Up/Cooling_Down>	D	High to indicate that the projector is warming up or cooling down.
Input_Is_*	D	High to indicate the currently selected power state.
Aspect_Ratio_Is_*	D	High to indicate the currently selected aspect ratio.
Lamp_Mode_Is_1_Lamp(Titan_Quad_Only)	D	High to indicate that the current lamp mode is 1 lamp. Titan Quad Only. Will flash for 90 seconds while the lamp mode is changing.
Lamp_Mode_Is_Single_Lamp_2(HL660)/2_Lamps (Titan_Quad)	D	High to indicate that the current lamp mode is single lamp lamp 2 (HIGHLite 660) or the 2 lamps (Titan Quad). Will flash for 90 seconds while the lamp mode is changing.
Lamp_Mode_Is_Single_Lamp_1(HL660)/3_Lamps (Titan_Quad)	D	High to indicate that the current lamp mode is single lamp lamp 1 (HIGHLite 660) or the 3 lamps (Titan Quad). Will flash for 90 seconds while the lamp mode is changing.
Lamp_Mode_Is_Dual_Lamp(HL660)/4_Lamps (Titan_Quad)	D	High to indicate that the current lamp mode is dual lamp (HIGHLite 660) or the 4 lamps (Titan Quad). Will flash for 90 seconds while the lamp mode is changing.
Lamp_Mode_Is_Changing	D	High to indicate that the lamp mode is changing. This will be high for 90 seconds after a lamp mode command is sent. While this is high additional lamp mode change presses will be ignored.
Lamp_<1/2/3/4>_Time_Text	S	Serial signals indicating the lamp usage time for each lamp.
To_Device	S	Serial signal to be routed to a 2-way serial com port.

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**TESTING:**

OPS USED FOR TESTING:	PRO2: v4.007.0004 MC3: 1.003.0008
SIMPL WINDOWS USED FOR TESTING:	3.11.06
DEVICE DB USED FOR TESTING:	41.05.005.00
CRES DB USED FOR TESTING:	31.00.004.00
SYMBOL LIBRARY USED FOR TESTING:	803
SAMPLE PROGRAM:	Digital Projection HIGHLite 1080p 660 v1.0 Demo
REVISION HISTORY:	v1.0 – Initial Release